

Since 1978



Run with Us!

Electronic Security & Communication

Product Catalogue

- CCTV SURVEILLANCE PRODUCTS
- HOME & COMMERCIAL ALARMS
- ACCESS CONTROL SYSTEMS
- CAR ALARMS & GPS TRACKING
- FIRE SAFETY PRODUCTS
- BUSINESS PHONE SYSTEMS
- POWER SUPPLIES & CABLES



WHY RHINO?

RhinoCo Technology has been an integral part of the electronic security industry since 1978.

Our company is proudly Australian-owned and still growing after 30 years in business. We have become best known over the years for our world renowned Rhino™ brand of vehicle security systems, our Watchguard™ brand of wireless security and surveillance systems, our Securview™ range of professional video surveillance equipment and our EasyPBX™ business phone systems.

Since 1978 we have been designing "in-house" our own range of electronic security products. We have a team of dedicated hardware and software engineers that focus on key product areas.

Manufacturing:

For over thirty years we have manufactured in Australia using advanced techniques. In fact, RhinoCo Technology was one of the first in Australia to adopt surface-mount production technology. The desire to export products worldwide at competitive prices has changed our manufacturing process. Now the majority of our low end production is undertaken by our ISO9001 quality certified factories in Taiwan & China.

OEM Engineering & Contract Manufacturing:

We have produced many OEM designs for numerous clients over the years, particularly in the areas of wireless radio interfaces, vehicle security systems and wireless video transmission. We have supplied complete wireless add-on alarm solutions for major alarm control panel manufacturers, designed custom vehicle security systems for armoured vehicle fleets, control panel wireless interfaces and wireless digital video transmission equipment, to name a few.

Procurement/Customised Product Solutions:

As well as our own designed and produced products, we have established long-term relationships with key electronic security and technology suppliers around the world. Due to our vast range and experience in almost all areas of electronic security, we are often called upon to develop customised solutions. Do you have a mobile video surveillance solution with online GPS tracking, integrated alarm/immobiliser and wireless duress button? Or can you supply a completely wireless, multi-channel, solar powered, wireless digital CCTV solution with remote access? Whatever our client requirements, we will strive to provide the winning solution.

Worldwide Sales & Distribution:

In Australia we have a large customer base of industry trade professionals, government departments and major retailers. Our product range caters for these distinct markets. Our recent appointment in Australia as official resellers of JVC and Samsung Techwin CCTV products now allows us to cater to all levels of the CCTV market.

Outside Australia we have established our own branch offices in the United Kingdom, Italy and South Africa to market and distribute our range. We are able to ship factory direct worldwide to enable us to be highly competitive in the markets we choose to enter.

The Future:

This year we celebrate our 30th year in the electronic security industry - no small feat in this highly competitive market!

We aim to be more than your average electronic security wholesaler/distributor and will strive to be an engineering design house at your service.

We look forward to continually expanding our business both locally and internationally and we will always endeavour to support you, our valued customer, with the largest range of leading-edge, value for money products with the best technical support in the industry.

Let us prove it to you!



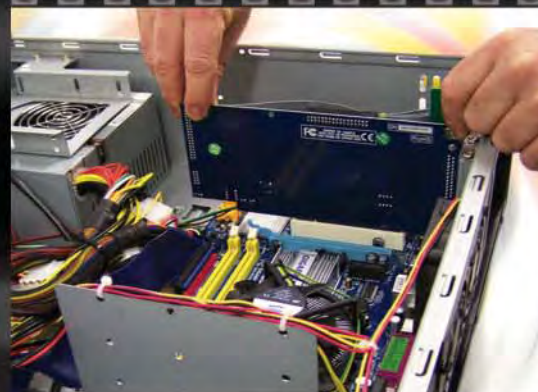
Security Master Licence: 407530935

Due to continual product advancement, specifications and appearance are subject to change without notice.

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We are A Lot More Than Your Average Electronic Security Wholesaler/Distributor



We Are Your Engineering Design House Product Development Services Available



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CCTV SURVEILLANCE PRODUCTS

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- Digital Video Recorders
- Monitors & Rack Mount Solutions
- Networking & Wireless Transmissions



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HOME & BUSINESS - SECURITY & SAFETY PRODUCTS

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- Replica (Dummy) Security Products
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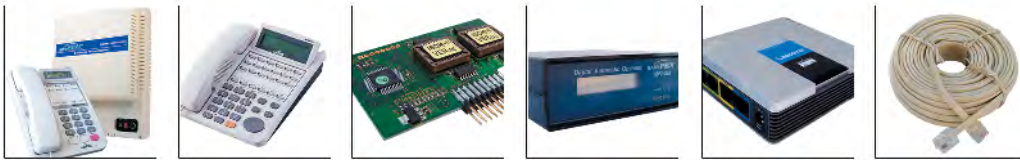
VEHICLE SAFETY & SECURITY

- Vehicle Alarms Immobilisers & Accessories
- Reversing Aids
- Vehicle & Personal Tracking
- Mobile Digital Video Recorders



POWER SUPPLIES, CABLES, CONNECTORS & ACCESSORIES

- Batteries & AC/DC Power Supplies
- Uninterruptable Power Supplies
- Cables & Leads
- Connectors & Video Baluns
- Tools
- Remote Controls
- Protection Equipment



BUSINESS PHONE SYSTEMS

- Business Phone System Package
- Business Phone System Components



ACCESS CONTROL

- Samsung Ezon Digital Door Lock
- Samsung Ezon Intercom System
- Intercom Packages
- Intercom Accessories

RHINO'S LATEST PRODUCTS



1. 17" Samsung LCD Monitor (see p.38)
2. High Resolution 4 Channel DVR - H264 Enhanced Compression - Space Saver Design (see p.29)
3. Samsung EZON Digital Door Lock (see p.84-85)
4. Samsung EZON Intercom System (see p.86-87)
5. JVC IP Camera with 1.3 Megapixel Progressive Scan CCD & MPEG-4/Motion JPEG Dual Stream (see p.10)
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JVC

The Perfect Experience



JVC PROFESSIONAL CCTV

NOW AVAILABLE FROM RHINOCO TECHNOLOGY

RhinoCo Technology is proud to announce that it has been appointed as an official distributor of JVC Professional products in Australia. JVC is widely regarded as an industry leader in surveillance equipment with an extensive range of premium quality products including cameras, lenses, monitors and digital video recorders. All analogue CCTV cameras are backed by an extensive 3 year warranty. For further information on the full range of JVC professional products please contact our sales team.



JVC CAMERAS (COLOUR)



JVC High Resolution Camera With Easy Day/Night Function: Chroma ON/OFF - 550TVL

* Lens Not Included

An easy to use full feature high resolution 1/3 inch CCD Colour/Monochrome Camera from JVC. Incorporating years of tele-optical experience from professional television broadcasting equipment into the CCTV industry, JVC TK-C920BE with its excellent colour reproduction is a cost effective camera for any demanding security requirements.

Features:

- Easy Day/Night Function: Chroma ON/OFF
- Super LoLux™ Sensitivity: 0.35 lx F1.2 in Colour Mode, 0.25 lx F1.2 in BandW Mode
- Signal-to-Noise Ratio: 50dB (AGC OFF)
- Focus Adjustment Function
- Display Mode CRT and LCD
- Integrated revolutionary 10-bit Digital Signal Processor (DSP)
- Automatic Electronic Shutter (AES) Mode ON/OFF
- Automatic Gain Control (AGC) ON/OFF
- Automatic Tracking White Balance (ATW) and Manual Modes
- Backlight Compensation ON/OFF
- Sync Systems INT/Line Lock
- Supports Video/DC Iris Lenses
- C/CS Lens Compatible

Image Sensor	1/3" Interline Transfer CCD
Horizontal Resolution	550 TV Lines
Lens	Not Included
Minimum Illumination	Super LoLux Sensitivity: 0.35 lx F1.2 in Colour Mode, 0.25 lx F1.2 in B & W Mode
Power	24VAC / 12VDC
Dimensions	50(W) X 58(H) X 126(D) mm

Part No.

VSJVC-TKC920BE



JVC 1/3 Colour Camera with Day/Night and IR-Cut Filter Switch - 540TVL

* Lens Not Included

1/3 Inch CCD Colour Video Camera featuring true day/night, 540 TVL resolution and IR-cut filter switching function. Achieves exceptional sensitivity and image quality allowing 24-hour monitoring. (AC 24V/DC 12V)

Features:

- Day and Night function (IR cut filter switching)
- Signal-to-Noise ratio: 50 dB (AGC OFF)
- Revolutionary integrated 10-bit Digital Signal Processor (DSP)
- Built-in camera menu
- Various white balance modes (2 ATW / AWC / Manual)
- Display mode: selectable CRT or LCD
- Automatic gain control (AGC) OFF / LOW / MIDDLE / HIGH
- Backlight compensation (BLC): OFF / ON (4 patterns)
- Sync systems: INT/Line lock
- Focus adjustment function
- Support DC / Video iris lens
- C/CS mount lens compatible
- Built-in AUX terminal
- Automatic power detection (AC 24V / DC 12V)

Image Sensor	1/3" Interline Transfer CCD
Horizontal Resolution	540 TV lines
Lens	Not Included
Minimum Illumination	Super LoLux Sensitivity: 0.4 lx F1.2 in Colour Mode, 0.05 lx F1.2 in B & W Mode
Power	24VAC / 12VDC
Dimensions	65(W) X 55(H) X 126(D) mm

Part No.

VSJVC-TKC925E



JVC 1/3 Colour Video Camera with Automatic Day/Night Operation - 480 TVL

* Lens Not Included

1/3" CCD Colour Video Camera with automatic Day/Night operation. Specifically designed to be a cost-effective solution for 24 hr surveillance, this camera incorporates advanced camera features, including highlight handling and excellent performance in very low light. (AC 24V/DC 12V)

Features:

- Backlight compensation (BLC), highlight inverter
- DSP with Extended dynamic range (ExDR) function
- ATW / AWC white balance and manual paint
- Motion detection with alarm signal output
- Scene file memory by command (4 files)
- Dump command function
- 10x digital zoom available via remote control
- RS-422A and RS-485 interface

Image Sensor	1/3" Interline Transfer CCD
Horizontal Resolution	480 TV Lines
Lens	Not Included
Minimum Illumination	Super LoLux Sensitivity: 0.45 lx F1.2
Power	24VAC / 12VDC
Dimensions	74(W) x 63(H) 149(D) mm

Part No.

VSJVC-TKC1430E



JVC High Performance Dome Camera With 4 x Variable Focal Lens - 540TVL

High-performance Dome Camera with Variable Focal Lens. The camera features 540 TVL, Easy Plug and Play setup, and Day/Night Function.

Features:

- Easy day/night function
- Pendant and wall mount available (with optional brackets)
- Triple axis rotation system for wide lens adjustment: horizontal 350 Deg., vertical 80 Deg., rotation 175 Deg
- Full-Featured Security Camera
- Easy focus adjustment
- Monitor video output (RCA)
- Automatic gain control (AGC) on/off (Max. 26dB)
- Auto tracking white balance (ATW) and manual modes: 2,300K to 10,000K
- Backlight compensation on/off
- Sync systems INT/Line lock
- AC 24V / DC 12V power supply

Image Sensor	1/4" Interline Transfer CCD
Horizontal Resolution	540 TV lines
Lens	4 x Vari-Focal
Minimum Illumination	Super LoLux Sensitivity: 0.9 lx F1.3 in Colour Mode, 0.6 lx F1.3 in B & W Mode (VSJVC-TKC215V4E) Super LoLux Sensitivity: 1.3 lx F1.6 in Colour Mode, 0.8 lx F1.6 in B & W Mode (VSJVC-TKC215V4E)
Power	24VAC / 12VDC
Dimensions	145 (Diam.) x 120(H) mm - VSJVC-TKC215V4E /12E 160 (Diam.) x 125(H) mm - VSJVC-TKC215VP4E



Also available - Outdoor Vandal Proof IP66 Model
 • With 4x Vari-focal Lens - VSJVC-TKC215VP4E
 • With 12x Vari-focal Lens - VSJVC-TKC215VP12E

Part No.

VSJVC-TKC215V4E

VSJVC-TKC215VP4E

VSJVC-TKC215VP12E



JVC PTZ Dome Camera 36x Optical Zoom - 540TVL

PTZ dome camera. 36x optical zoom colour camera with direct drive motor for quick, silent and accurate operation

Features:

- 0.03Deg. Super Accuracy for Preset Positions
- 0.04Deg./sec to 500Deg./sec Pan Speed Flexibility
- High-Resolution of 540 TV Lines
- Day/Night Function with IR Cut Filter
- Effective Backlight Compensation
- Super LoLux sensitivity
- Super Silent Mechanism
- Screw-free Easy Installation

Also available - Wallmount Outdoor Weatherproof IP66 Model



(VSJVC-TKC686WPE)

Image Sensor	1/4" Interline Transfer CCD
Horizontal Resolution	540 TV lines
Lens	36x optical (32x digital)
Minimum Illumination	Super LoLux sensitivity: Colour Mode 0.5 lux, F1.6 B/W mode 0.04 lux, F1.6
Power	24VAC
Dimensions	160(Diam.) x 201(H) mm - (VSJVC-TKC686E) 260(Diam.) x 385(H) x 350(D)mm -(VSJVC-TKC686WPE)

Part No.	VSJVC-TKC686E VSJVC-TKC686WPE
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JVC 1/4 High Resolution Camera with 25x Optical Zoom(3.8~95mm) - 480TVL

1/4in High Resolution Camera with 25x Zoom and Super LoLux sensitivity

Features:

- IR Cut Filter ON/OFF
- Super LoLux sensitivity: Colour Mode 2.0 lux, BandW mode 0.06 lux
- 1/4 In High resolution IT CCD with 440,000 effective pixels
- Extended dynamic range (ExDR)
- 25x optical zoom lens (3.8 to 95mm)
- Motion detection
- Built-in menu with private mask and auto black
- Auto trace / auto pan / auto patrol / area title
- Variable pan/tilt speed
- Return to Home
- 180 degree auto flip/digital flip
- 100 preset positions
- Easy AF and one-touch auto focus
- Easy to install mechanism
- 360 degree endless rotation
- RS-422A / RS-485 interface
- Alarm terminal (Input x 4, Output x 3)
- Optional smoke cover available (part code KA-C76U)

Also available Outdoor Housing Model: WB-1550U

Image Sensor	1/4" High resolution Interline Transfer CCD
Horizontal Resolution	480 TV lines
Lens	25x optical zoom lens (3.8 to 95mm)
Minimum Illumination	Super LoLux sensitivity: Colour Mode 2.0 lux, B/W mode 0.06 lux
Power	24VAC
Dimensions	152(Diam.) x 188(H) mm

Part No.	VSJVC-TKC655EB
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JVC IP CAMERAS (COLOUR)



JVC Day and Night Dual Stream IP Box Camera

- 1/4 Inch Progressive Scan CCD
- For sharper, clearer images without any flicker even for moving images
- MPEG-4/Motion JPEG Full-Frame Dual Stream Simultaneous distribution of MPEG-4 and Motion JPEG VGA images at full frame rate (30fps for each stream)
- Effective Backlight Compensation
- Easy Wide-D Function provides clear images even in backlit situations
- Privacy Mask for Protecting Intrusive Monitoring Free shape and unlimited number of masked areas can protect subjects from invasion of privacy
- PoE for Saving Installation and Cable Costs
- Built-in PoE (Power over Ethernet) allows the camera to be activated through a LAN cable connection.
- Easy Setup and Viewing with Built-in Tools
- Web-based setup tools and a viewer are built into the camera

* Lens Not Included

Image Sensor	Super HAD CCD" 1/4" Progressive scan
Resolution	640 x 480, 320 x 240
Lens	Not Included
Minimum Illumination	Super LoLux sensitivity: Colour Mode 1.0 lux, F1.2 B/W mode 0.08 lux, F1.2
Power	24VAC / 12VDC
Dimensions	65(W) x 63(H) x 126(D)

Part No.	VSJVC-VNV25U
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JVC IP Camera with 1.3 Megapixel Progressive Scan CCD and MPEG-4/Motion JPEG Dual Stream

The VSJVC-VNX35U incorporates a 1.3 Megapixel progressive scan CCD to capture high-quality, high-precision images. It can distribute up to Quad VGA (1280x960) resolution Motion JPEG images which are 4 times larger than conventional VGA. This increased visual information means a face or a license plate can be identified even when enlarged by digital zoom.

* Lens Not Included

Main Features:

- 1.3 Mega Pixel High Quality JPEG Stream
- Progressive Scan CCD
- MPEG4/Motion JPEG Dual Stream
- PoE
- Freely Selectable Partial Scan
- Digital PTZ Function
- Privacy Mask for protecting intrusive monitoring
- Bi-Directional Audio Support
- Focus Assist
- Reliable Day/Night Monitoring Functions
- PAL/NTSC Monitor output (Setup only)
- Compact Design for Easy Installation
- Open Architecture API for Easy Customization

Image Sensor	EXview HAD CCD 1/3" Progressive Scan
Resolution	1,280x960 (Motion JPEG only), 640x480, 320x240
Lens	Not Included
Minimum Illumination	0.3Lux (F1.0, 25% video AGC Super)
Power	24VAC 0.5A or PoE 48VDC 115mA
Dimensions	65(W) x 63(H) x 126(D)

Part No.	VSJVC-VNX35U
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JVC IP-Network Dome Camera

Discrete surveillance IP-network Dome Camera with 30fps at full resolution (VGA), triple axis rotation lens for various installations and Power over Ethernet (PoE) capabilities. Camera set-up and viewing of images can be achieved using a standard web browser over the internet or via SMTP or FTP.

Features:

- VGA resolution at 30 fps (max) using high quality MotionJPEG compression
- Built-in x3.6 vari-focal lens (f=2.8 to 10mm)
- Various installations possible with Triple axis rotation mechanism
- Multicast (IGMP ver. 2) protocol to allow multiple client connectivity
- Built-in web server for camera set-up and image viewing
- One CAT5 cable for data transmission and power supply thanks to PoE compliance (Power over Ethernet IEEE802.3af)
- Easy Day/Night function (Colour/B and W switching)

Also available - Vandal Proof Version



(VSJVC-VNC215VP4U)

Image Sensor	1/4 inch 380,000 pixels CCD
Resolution	640 x 480 or 320 x 240 2 selections via configuration Web page
Lens	Fujinon F1.3 varifocal 2.8 - 10mm DC iris Focus range: 0.3m to infinity
Minimum Illumination	Super LoLux sensitivity: Colour Mode 0.75 lux, F1.3 B/W mode 0.4 lux, F1.3
Power	24VAC / 12VDC
Dimensions	133(H) x 145(W) x 145(D) mm -(VSJVC-VNC215V4U 125(H) x 160(W) x 160(D) mm -(VSJVC-VNC215VP4U)

Part No.

VSJVC-VNC215V4U

VSJVC-VNC215VP4U



JVC Dual Stream Network Camera With 36x Optical Zoom

Dual Stream Network Camera with 36x Optical Zoom and Accurate Direct Drive Motor Mechanism

Features:

- 0.03Deg. Super Accuracy for Preset Positions
- 0.04Deg./sec to 400Deg./sec Pan Speed Flexibility
- Super Silent Mechanism
- Day/Night Function with IR Cut Filter
- Effective Backlight Compensation
- Progressive Output Capability
- MPEG-4/Motion JPEG Full-Frame Dual Stream
- Super LoLux sensitivity
- Quick and Easy Installation

Also available - Vandal Proof Version



(VSJVC-TKC655WPE)

Image Sensor	1/4" Interline Transfer CCD
Resolution	640 x 480, 320 x 240
Lens	F1.6 (wide) to F4.5 (tele), f=3.4mm to f=122mm Automatic Day/Night IR cut filter Focus: Manual/Easy AF/One push Max. close-range: Approx. 1.8m (tele), 0.6m (wide)
Minimum Illumination	Super LoLux sensitivity: Colour Mode 1.0 lux, F1.2 B/W mode 0.08 lux, F1.2
Power	24VAC
Dimensions	160(Diam.)x 201(H) mm - (VSJVC-VNV686U) 260(Diam.)x 385(H)x 350(D) mm -(VSJVC-VNV686WPU)

Part No.

VSJVC-VNV686U

VSJVC-VNV686WPU

IP Address

What is a private (local) IP address?

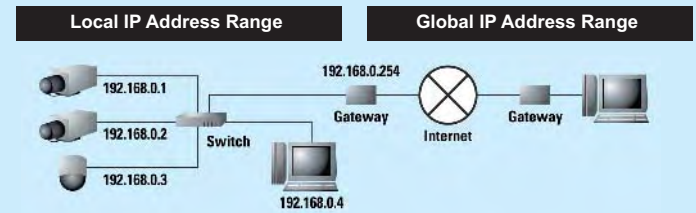
Private IP address is an IP address that can be used freely as a LAN network address without being connected to the Internet.

What is a global IP address?

Global IP address is an IP address that is assigned to a device connected to the Internet. This address is indispensable for carrying out transmissions via the Internet.

"192.168.0.2" is the IP address set in the initial settings for JVC's V.Networks.

EXAMPLE:



Simultaneous access by multiple users

The frame rate (or bit rate), which refers to the number of images that can be transmitted by V.Networks within a second, is decided according to the specifications of V.Networks. Within the range of specification approximately 10 users can simultaneously access V.Networks. However, when a large number of users simultaneously access V.Networks, there may be a decline in the frame rate or image quality.

Unicast and Multicast

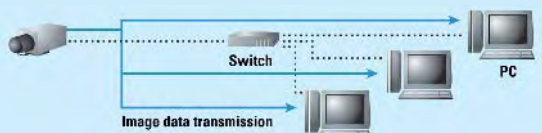
Unicast transmission

Since unicast involves one-to-one transmission between two terminals (e.g. between a camera and a monitoring PC), it is necessary for the bandwidths to be equivalent to the number of terminals when identical information is to be acquired by several terminals.



Multicast transmission

Since multicast is used to transmit a single packet to multiple terminals, the data transmission volume decreases regardless of the number of terminals. Multicast requires a compatible network device. * Remote surveillance via the Internet cannot be carried out with a multicast system. * Multicast systems require an optimum network design.





SAMSUNG
SAMSUNG TECHWIN

DIGITAL CCTV CAMERAS

NOW AVAILABLE FROM RHINOCO TECHNOLOGY



RhinoCo Technology are proud to announce that we can now offer you Samsung Techwin's full range of CCTV Cameras at extremely competitive prices. Samsung Techwin is the premiere range of professional grade CCTV products from Samsung.

For full details please visit www.rhino.com.au and click on the Samsung link or call one of our sales offices.

A dedicated and specialised CCTV division of Samsung Corporation, Samsung Techwin is a world leader in economical professional CCTV solutions for all applications. Boasting state-of-the-art technologies from Samsung's optical and electronics divisions, and of its comprehensive business involvement in the global security industry, the Samsung Techwin range of CCTV equipment is constantly contributing to the advancement of surveillance technology.

With the leading optics and digital imaging technology, Samsung Techwin has constantly developed and produced various security and surveillance equipments of highest quality to meet the demands of continuous 24-hour security surveillance. Now, surveillance technology of Samsung Techwin is opening up a whole new world of exciting possibilities, and bringing the future a little closer each day!

SAMSUNG CAMERAS (COLOUR)

Breakthrough Technology
The next generation DSP

SV IV

The SV IV is the latest fourth-generation chips in the Super Vision series which has been independently developed by Samsung Techwin using super-precision image analysis techniques and three dimensional noise reduction technology (SSNR II)



Samsung 1/3 High Resolution WDR Camera - 560TVL Day / 700TVL Night

The SHC735 is a camera with a built-in fourth-generation DSP image engine SVIV chipset, which provides the best quality images, anytime and anywhere. It comes complete with the worlds best 560TV lines colour resolution, a further improved WDR function for better colour presentation in backlight, and clear picture quality without noise for low light level environments.



Image Sensor	1/3" vertical double density colour CCD
Horizontal Resolution	560 TV Lines(Colour) / 700 TV Lines (B&W)
Lens	Not Included (See Under Camera Lenses)
Minimum Illumination	0.2Lux@F1.2 (Colour) / 0.01Lux@F1.2 (B/W)
Power	Dual Voltage 24V AC / 12V DC
Dimensions	69(W) x 56(H) x 125(D) mm

Part No.
VSSAM-SHC735



Samsung 1/4 Day/Night Wide Dynamic 30x Zoom Camera - 520TVL Day / 570TVL Night

The SDZ-330 is equipped with the world's first 30X (f3.3-99mm) optical auto focus zoom lens that ensures precise and powerful close-up capability and it achieves an outstanding trinity that is an enhanced low-light sensitivity of 0.4Lux @ F1.6 in normal colour mode, a 126 times wide dynamic range, and lastly sharper images with 520TV lines. It is simply a perfect answer in surveillance to a vast range of most demanding locations. Can be controlled by DVR's via RS485.



Image Sensor	1/4" vertical double density colour CCD
Horizontal Resolution	520 TV lines(Colour) / 570 TV lines (B&W)
Lens	Built-in 240X Zoom lens (Optical zoom 30X, Digital zoom 8X)
Minimum Illumination	0.4Lux@F1.6 (Colour) / 0.08Lux@F1.6 (B/W)
Power	12V DC
Dimensions	67.4(W) x 67.6(H) x 120(D) mm

Part No.
VSSAM-SDZ330



Samsung 1/4 High Resolution 30x Zoom Camera - 520TVL Day / 570TVL Night

The SDZ-300 is equipped with the high performance 30X optical auto focus zoom lens that provides precise and powerful 300X close-up capability with 10X digital zoom. It employs the WIII DSP chip, which offers a Day and Night (ICR) function to achieve low light level performance of 0.1 Lux and higher than 520TV lines of image quality for both day and night conditions. In addition, there are built-in functions including the convenient OSD menu, 4 zone privacy masking and motion detection for more efficient surveillance. Can be controlled by DVR's via RS485.



Image Sensor	1/4" Super HAD colour CCD
Horizontal Resolution	520 TV lines(Colour) / 570 TV lines (B&W)
Lens	Built-in 300X Zoom capability (Optical 30X, Digital 10X)
Minimum Illumination	0.6Lux@F1.6 (Colour) / 0.1Lux@F1.6 (B/W)
Power	24V AC / 12V DC
Dimensions	64(W) x 64(H) x 140(D) mm

Part No.
VSSAM-SDZ300



Samsung 1/3 High-Performance IR LED Camera - 570TVL

A high-performance IR camera, the SIR-4150 provides high-resolution video images regardless of day or night, and it can detect and distinguish a moving subject in dark environments, with 0 Lux minimum illumination. Equipped with various features for advanced functions such as high-resolution video images, ICR Day and Night feature, Vari-Focal Lens and outdoor camera housing ensures you have the most reliable 24-hours a day video surveillance that provide clean and vivid image for all major areas including : military bases, ammunition dumps, outskirts of factories and small-sized stores.



Image Sensor	1/3" 410K Pixels, Super HAD colour CCD
Horizontal Resolution	570 TV Lines
Lens	3X(3.8-9.5mm) Auto Iris Vari-Focal
Minimum Illumination	0.3Lux@F1.2 (Colour), 0 Lux@F1.2 (B/W)
Power	12V DC
Dimensions	74(W) x 74(H) x 134.5(D)mm

Part No.
VSSAM-SIR4150



Samsung 1/3 High-Resolution High-Sensitivity Camera - 580TVL Day / 630TVL Night

The SDC-425 is the next generation of Samsung Techwin's popular SDC-415. Based upon the 4th generation of digital signal processing technology, the SDC-425 has the industry's highest resolution specification for a standard definition format camera. In addition to superior resolution the WIV DSP provides for a rich set of advanced features and performance specifications that are normally found only on more expensive system cameras.



Image Sensor	1/3" Super HAD CCD
Horizontal Resolution	Colour 580TVL, B/W 630TVL
Lens	Not Included (See Under Camera Lenses)
Minimum Illumination	0.05Lux@F1.2 (Normal), 0.0002Lux@F1.2 (Sens-up)
Power	24V AC / 12V DC
Dimensions	58(W) x 52(H) x 121(D)mm

Part No.
VSSAM-SDC425



Samsung 1/3 High Resolution Colour Mini Dome Camera - 540TVL

The SID-50 has multiple features and strengths that are beyond what is expected of a security camera, including 540TV lines HD and 0.002Lux low light level imaging. The SID-50 is a perfect combination of innovative design and the latest technology. Additionally, the SID-50 with its auto-imaging feature is designed for easy installation regardless of location, and its standard optical lens provides a much wider and clearer field of view for surveillance. The strong performance SID-50 security camera, with its highly dependable quality and sensible price tag, will ensure user satisfaction.



Image Sensor	1/3" Super HAD colour CCD
Horizontal Resolution	540TV lines
Lens	Built-in fixed lens (f3mm)
Minimum Illumination	0.3Lux @ F1.2 (Colour) / 0.002Lux @ F1.2 (Sens-up)
Power	12V DC
Dimensions	99.2(Diam.) x 67(H) mm

Part No.
VSSAM-SID50



Samsung 1/3 High Resolution Day/Night 3-Axis Dual Voltage Dome Camera - 530TVL Day / 570TVL Night

The SID-450/452 provides not only quality performance but also outstanding ease of installation, with its 3-Axis camera construction, which makes the camera wall or slope mountable. It features compact size, built-in 3X (f3 ~ 9mm) varifocal lens, 530TV lines, a minimum illumination of 0.002Lux and unique SSNR noise reduction technology. This versatile camera is an excellent choice for indoor applications such as retail, schools, airports, banks and hotels.



Image Sensor	1/3" Super HAD colour CCD
Horizontal Resolution	530TV lines (Colour) / 570 TV Lines (B/W)
Lens	Built-in 3X (f3 ~ 9mm) varifocal lens with auto iris
Minimum Illumination	0.3Lux@F1.2 (Colour) / 0.002Lux@F1.2 (Sens-up)
Power	12V DC (VSSAM-SID450) Dual voltage : 24V AC / 12V DC (VSSAM-SID452)
Dimensions	130(Diam.) x 100(H) mm

Part No.
VSSAM-SID452



Samsung 1/3 High Resolution Day/Night Mini Colour Dome Camera - 530TVL

The SID-45C/46C employs the WIII DSP chip, which offers a Day and Night function to achieve low light level performance of 0.002Lux and higher than 530TV lines of image quality for both day and night conditions. In addition, there are built-in functions including the convenient OSD menu, 4 zone privacy masking and motion detection for more efficient surveillance. The SID- 45C/46C fulfills the users' expectations due to its reasonable price as well as a trustworthy top level quality.



Image Sensor	1/3" Super HAD Colour CCD
Horizontal Resolution	530TV lines
Lens	Built-in fixed lens : f3.7mm
Minimum Illumination	0.3Lux@F1.2 (Colour) / 0.002Lux@F1.2 (Sens-up)
Power	12V DC
Dimensions	108(Diam.) x 80(H) mm

Part No.
VSSAM-SID45C



Samsung 1/3 High Resolution Day and Night Dome Camera - 580TVL Day / 700TVL Night

The Samsung Techwin SID-460 is redefining what you should expect for features and performance in a fixed mini-dome camera. Using our 4th generation WIV Digital Signal Processing, the SID-460 is able to produce an unparalleled colour resolution of 580TV lines. In addition, this new DSP provides the industry's most comprehensive set of performance enhancing features such as digital image stabilization, 3D noise filtering, and many other features not found in any other camera in any class.



Image Sensor	1/3" Vertical double density interline CCD
Horizontal Resolution	580TV Lines (Colour) / 700 TV Lines (B/W)
Lens	3.8~9.5mm vari-focal lens
Minimum Illumination	0.15Lux@F1.2 (Colour), 0.01Lux@F1.2 (B/W) 0.0006Lux@F1.2 (Sens-up)
Power	12V DC
Dimensions	141.2(Diam.) x 105.5(H)mm

Part No.
VSSAM-SID460



Samsung 1/3 Low Light Wide Dynamic High Resolution Dome Camera - 550TVL Day / 700TVL Night

The SID-560 is a camera with a built-in fourth-generation DSP image engine SVIV chipset, which provides superb image quality anytime and anywhere. The SID-560 offers the world's best 560 TV line colour resolution, a 128X more powerful WDR function for improved subject recognition in back-light, and clear picture quality without noise for low light level environments.



Image Sensor	1/3" Vertical double density colour CCD
Horizontal Resolution	550TV lines (Colour) / 700 TV lines (B&W)
Lens	Built-in 4X (f3 ~ 12mm) varifocal lens with auto iris
Minimum Illumination	0.2Lux@F1.2 (Colour) / 0.01Lux@F1.2 (B/W) 0.0001Lux@F1.2 (Sens-up)
Power	Dual voltage : 24V AC / 12V DC
Dimensions	141.2(Diam.) x 105.5(H)mm

Part No.
VSSAM-SID560



Samsung 1/3 High Resolution Day and Night IR LED Dome Camera - 520TVL Day / 570TVL Night

The SIR-4250 is a high-performance IR LED dome camera with various features for advanced functions such as high-resolution video images, ICR Day and Night feature, Vari-Focal Lens and SSNR, unique noise reduction technology. This ensures you have the most reliable 24-hours a day video surveillance providing clean and vivid images for all places.



Image Sensor	1/3" Super HAD CCD
Horizontal Resolution	520TV lines (Colour) / 570TV lines (B/W)
Lens	2.5X Auto iris varifocal lens (F1.2, 3.8 ~ 9.5mm)
Minimum Illumination	0.3Lux@F1.2 (Colour), 0 Lux@F1.2 (B/W) 0.002Lux@F1.2 (Sens-up)
Power	12V DC
Dimensions	145.3(Diam.) x 109.5 (H)mm

Part No.
VSSAM-SIR4250



Samsung 1/4 High Resolution Day/Night Vandal-proof Dome Camera with A/F 10x Zoom - 500TVL Day / 570TVL Night

SVD-4300 is a high resolution vandal proof dome camera with a built-in advanced auto focus 10X A/F zoom lens. Its main body and dome made of high strength material withstand strong impacts, and you can easily position the camera in the optimal location due to the camera's 10X auto zoom and 3-Axis rotation dome design. The camera supports various functions such as high resolution of 500TV lines, Day and Night with removable IR cut filter (ICR), high sensitivity of 0.005Lux so users can achieve safe and perfect 24-hour surveillance.



Image Sensor	1/4" Interline Transfer colour CCD
Horizontal Resolution	500TV lines (Colour) / 570TV lines (B&W)
Lens	Built-in 10X (f3.8 ~ 38mm) zoom lens with auto focus
Minimum Illumination	0.7Lux@F1.8 (Colour) / 0.02Lux@F1.8 (B/W) 0.005Lux@F1.8 (Sens-up)
Power	Dual voltage : 24V AC / 12V DC
Dimensions	148(Diam.) x 126(H) mm

Part No.
VSSAM-SVD4300



Samsung High Resolution WDR Vandal-Proof Dome Camera - 560TVL Day / 700TVL Night

The SVD-4600 is a tough vandal-proof dome camera that consists of a die-cast dome body and a polycarbonate dome cover. It has Samsung Techwin 4th generation DSP chipset SVIV built in to give ultra low light imaging at 0.3Lux, ICR Day and Night, and 128X WDR features. It is a versatile dome camera for indoor/outdoor applications, that provides enhanced additional features such as Multi-language OSD and DIS image shake correction.



Image Sensor	1/3" Super HAD CCD
Horizontal Resolution	560TV Lines (Colour) / 700TV Lines (B/W)
Lens	Built-in 2.5X Variable Focus
Minimum Illumination	0.3Lux@F1.2 (Normal colour mode) / 0.01Lux@F1.2 (B/W) 0.001Lux@F1.2 (Sens-up mode)
Power	24V AC / 12V DC
Dimensions	148(Diam.) x 126(H) mm

Part No.
VSSAM-SVD4600



SPD-3300 1/4 Inch Low Light, 30X Wide Dynamic PTZ Speed Dome Camera

30X Optical Zoom (Focusing Distance: 3.3 - 99mm)

* Weatherproof outdoor housing & bracket available

The SPD-3300 is a high performance 30X speed dome camera that incorporates the SVIII DSP engine at its heart. It's equipped with a 30X (f 3.3~99mm) optical zoom lenses and a 8X digital zoom, which gives a total zoom capability of up to 240x. It provides high horizontal resolution of 520TV lines so that users can identify distant subjects. It delivers enhanced low-light sensitivity of 0.4 Lux @ F1.6 in normal color mode and offers maximum of 128 preset positions, the convenient OSD menu, 4 zone privacy masking and motion detection. Controllable by RS-485.



Image Sensor	1/4" Double Scan Exview colour CCD
Horizontal Resolution	520TV lines (Colour), 570TV lines (B/W)
Lens	Powerful 30X optical zoom (f 3.3~99mm) and 8X digital zoom
Minimum Illumination	0.4 Lux @ F1.6 (Colour), 0.08 Lux @ F1.6 (B/W) 0.003 Lux @ F1.6 (Sens-up)
Power	AC 24V (N/P)
Dimensions	155(Diam.) x 243.4(H)mm

Part No.
VSSAM-SPD3300



Samsung 1/4" High Performance, WDR 37X PTZ Dome Camera

The Samsung VSSAM-SPD3750T is the newest and most advanced model in Samsung Techwin's line of PTZ dome cameras. The SPD-3750T brings the benefits of SV-IV DSP technology along with an industry-leading 37X optical zoom lens into a dome camera. Wide dynamic range and digital image stabilization are just a few of the advanced features in the 3750T. With the incorporation of advanced SSNR11 3D noise reduction technology, the SPD-3750T achieves excellent low light performance while reducing DVR storage space by as much as 70%.

Main Features:

- Color resolution of 550TV lines, 680TV lines in B/W
- 128X pixel control WDR, Intelligent Auto Tracking
- Excellent low light sensitivity of 0.7Lux, ICR Day and Night function
- Advanced 3D filtering digital noise reduction (SSNR11), Max. 256X Sens-up
- User-friendly multi-language OSD, DIS (Digital Image Stabilization)
- 256 Presets, RS-485/422 remote control
- Up to 37X optical (3.5 ~ 129.5mm) and 12X digital zoom (444X total zoom)



Image Sensor	1/4" Vertical double density interline CCD
Horizontal Resolution	550TV lines (Colour), 680TV lines (B/W)
Lens	37X optical (3.5 ~ 129.5mm) and 12X digital zoom (444X total zoom)
Minimum Illumination	Color : 0.7Lux (50 IRE@F1.6), 0.002Lux (Sens-up, 256X) B/W : 0.06Lux (50 IRE@F1.6)
Power	24V AC
Dimensions	155(Dia) x 241.7mm

Part No.
VSSAM-SPD3750T



Part No.
VSSAM-SCC3100A

Samsung Techwin Ergonomic PTZ Controller Keyboard With Backlit, Large Character LCD Display

System Controller

- Enhanced User Convenience with Rearranged Keypad
- Capable of Controlling of PTZ dome cameras, DVRs and matrix switchers
- Centralized Control of up to 255 Units from a Single Controller
- Configurable to Connect Multiple System controllers up to 16 Units
- Ergonomic Design and Easy-to-Use Keypad
- 3D Joystick Control of PTZ Functions
- Backlit, Large Character LCD Display :20 x 4 lines
- Multi-Protocol Support
- Preset positions : Max. 64 locations
- Control of group sequence, tour sequence, PTZ trace function
- Auto swing, Pan / Tilt swing control

SAMSUNG IP CAMERAS



Samsung 1/3 High Resolution Day/Night Network Camera - 530TVL

The SNC-550 facilitates the selective application of MPEG-4 or JPEG compression algorithms and high-resolution video transmission at up to 25fps. The SNC-550 supports diverse additional functions including a Day and Night function, 530TV lines of horizontal resolution, PoE, motion detection, and privacy masking.



Image Sensor	1/3" Super HAD colour CCD
Horizontal Resolution	High resolution of 530TV lines of a composite output
Lens	Not Included
Minimum Illumination	0.3Lux@F1.2 (Colour), 0.01Lux@F1.2 (B/W mode) 0.002Lux@F1.2 (Sens-up mode)
Power	24V AC / 12V DC
Dimensions	68.8(W) x 60.4(H) x 152(D)mm

Part No.	VSSAM-SNC550
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Samsung Ultra Low Light PTZ Network Camera With A Built-In 30X A/F Zoom Lens

The SNP-3300 is an ultra low light PTZ network camera with a built-in 30X A/F zoom lens. The SNP-3300 is equipped with various functions including MPEG-4/JPEG compression, fast 25fps VGA-class image transmission, an ultra low light level surveillance function, and WDR, ensuring a 24 hour optimum network connection anytime anywhere. 30x PTZ Network Camera



Image Sensor	1/4" Colour vertical double density interline CCD
Horizontal Resolution	Colour : 520TV lines (Min.) / B/W : 570TV lines (Min.)
Lens	30X, f3.3 ~ 99.0mm (F1.6 ~ 3.7)
Minimum Illumination	0.4Lux@F1.6 (Colour), 0.08Lux@F1.6 (B/W mode) 0.003Lux@F1.6 (Sens-up mode)
Power	24V AC
Dimensions	155(Diam.) x 243.4(H)mm

Part No.	VSSAM-SNP3300
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Samsung High Resolution 10X (3.8~38mm) PTZ Network Camera - 525TVL

- Built-in 10X Optical and 10X Digital Zoom
- MPEG-4/JPEG selectable compression, VGA 25fps transmission
- Bi-directional Audio, Remote P/T/Z control
- High-resolution of 520TVL(colour), High sensitivity of 0.005Lux
- Day and Night (ICR), 128 Presets, Digital Flip, Multi-protocols
- Web interface, Network Manager S/W



Image Sensor	1/4" interline Transfer CCD
Horizontal Resolution	525 Lines / 60 Fields / 25 Frames
Lens	10X, 3.8 ~ 38mm
Minimum Illumination	0.7Lux@F1.8 (Colour), 0.02Lux@F1.8 (B/W mode) 0.005Lux@F1.8 (Sens-up mode)
Power	12V DC
Dimensions	140(Diam.) x 134.8(H)mm

Part No.	VSSAM-SNP1000
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Samsung 4CH MPEG-4/JPEG Network Video Server

The SNS-400 is a high efficiency, high-performance 4 channel video network server that converts analogue based systems into an MPEG-4/JPEG compression format IP surveillance system via the network. Surveillance is possible with a network image output at up to 100fps (CIF).

Compression Method	MPEG-4 / JPEG selectable video compression, ADPCM audio compression
Hardware OS	Embedded Linux
Video Channel	4 Input / 1 output through BNC
Maximum Display	Video : Max.
Frame Rate	100fps Global (CIF)
USB Port	USB 2.0 (Storing event images)
Viewer Application	Network management software / Web viewer
Power	12V DC

Part No.	VSSAM-SNS400
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Suitable to work with range of Samsung Network Recorder which offers great convenience and flexibility in recording real-time videos via the internet. Available Models:

- **SNR-9A** Record up to 9 units of IP products and Samsung Network Manager
- **SNR-16A** Record up to 16 units of IP products and Samsung Network Manager
- **SNR-32A** Record up to 36 units of IP products and Samsung Network Manager



FULL BODY CAMERAS (COLOUR)

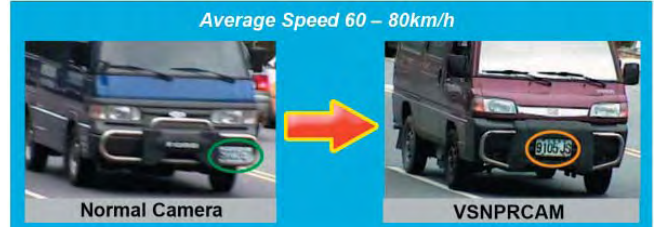


1/3 License Plate Capture Camera - 540TVL Day / 600TVL Night

This high quality license plate capture camera features an intelligent 'Traffic' mode that turns speeding vehicles, headlights, backlighting and weather conditions into non-issues. While standard CCTV cameras struggle to provide clear identifiable license plate images the VSNPRCAM utilises two separate traffic modes, DSP (Digital Signal Processing) and DNR (Digital Noise Reduction) technology to continuously provide high quality clear images. It also features true Day/Night functionality to provide 24hr operation.

Image Sensor	1/3" High Exview CCD
Horizontal Resolution	540 TV Lines(Day Mode) / 600TVL (Night Mode)
Lens	Not Included (See Under Camera Lenses)
Minimum Illumination	0.016 Lux
Power	12V DC
Dimensions	126(L) x 50(W) x 62(H) mm

Part No.
VSNPRCAM



1/4 220X Total Zoom Camera With Auto Focus - 480TVL

The unique feature of this camera is the 220X total zoom (22X Optical, 10X Digital) making it ideal for viewing enhanced images close up. The zoom feature is essential for monitoring large areas with few cameras. It allows the user to be able to focus on images at a distance and display the image with maximum focus and clarity. Can be controlled by DVRs via RS485

Image Sensor	1/4" High Quality Sony CCD
Horizontal Resolution	480 TV Lines
Lens	22x Optical Zoom
Minimum Illumination	2.5 Lux (Typical), 0.07 Lux (Starlight Mode)
Power	12V DC
Dimensions	120 (L) x 59 (W) x 80(H) mm

Part No.
VSMTV-64G5DHPDN



1/4 220X Zoom Camera With Remote Zoom Control and Auto Focus - 480TVL

Utilises the VSMTV-64G5DHPDN with the added feature of being able to control the 220X total zoom (22X Optical, 10X Digital) via a Radio Remote Control from anywhere up to 100m away. As it uses Radio Remote Control, the signal can travel through walls and other obstacles, even across buildings making it ideal for monitoring large areas with few cameras. It allows the user to be able to remotely zoom in or out on images and display the image with maximum focus and clarity without leaving their screen. Supplied with 2, dual button remote controls with long life lithium batteries. Up to 15 remotes per camera can be used.

FROM THIS...



TO THIS...



Image Sensor	1/4" High Quality Sony CCD
Horizontal Resolution	480 TV Lines
Lens	22x Optical Zoom
Minimum Illumination	2.5 Lux (Typical), 0.07 Lux (Starlight Mode)
Power	12V DC
Dimensions	120 (L) x 59 (W) x 80(H) mm

Part No.
SMARTZOOM-220

'SMART BUY PACK'



SMART BUY PACK - 4x VSMTV-64G5DHPDN Cameras With Accessories

Package Includes:

- 4 x VSMTV-64G5DHPDN Cameras
- 4 X Camera Mounting Brackets
- 8 x BNC Connectors

Part No.
CP220ZOOMPACK



SECURVIEW Wide Dynamic Camera Normal Cameras

1/3 Day/Night Wide Dynamic Camera - 520TVL Day / 570TVL Night

This special Day/Night camera has a much wider dynamic range than regular CCTV cameras. It is designed mainly for installation in areas where you have very strong backlighting behind the object you wish to view. A regular CCTV camera will either adjust to see what is outside, making the subject dark and unidentifiable inside the room OR if the camera is adjusted to see the subject inside, you can no longer see what is outside, the background simply becomes too bright. However, by using our Wide Dynamic Camera you will be able to see clearly both inside and outside.

Image Sensor	1/3" CCD with 410K Pixels
Horizontal Resolution	520 TV Lines(Colour) / 570 TV Lines(B&W)
Lens	Not Included (See Under Camera Lenses)
Minimum Illumination	0.05 Lux @ F1.2(AGC ON) / 0.001 Lux @ F1.2 when in Starlight Mode
Power	(Dual Voltage) - 12V DC or 24V AC 6W
Dimensions	110(L) x 50(W) x 55(H)mm

Part No.
VSMTV-63W3PDN

'SMART BUY PACK'

SMART BUY PACK - 4x VSMTV-63W3PDN Cameras With Lenses and Accessories



- 4 x VSMTV-63W3PDN Cameras
- 4 x 2.8-12mm DC Lenses
- 4 x Camera Brackets
- 8 x BNC Connectors

Part No.
CP63W3PDNPACK



1/3 High Resolution Camera - 550TVL

This high resolution colour camera utilises a 1/3in Panasonic CCD image sensor, which can capture images at 550TVL. It has an electronic iris, with automatic shutter speed control, AGC(Automatic Gain Control) and backlight compensation.

Image Sensor	1/3" Interline Transfer Panasonic CCD
Horizontal Resolution	550 TV Lines
Lens	Auto Iris: Accepts Video or DC Drive Lenses
Minimum Illumination	0.51 Lux @ F1.4
Power	12V DC
Dimensions	117(L) x 57 (W) x 57(H) mm

Part No.
VSCC8772S

'SMART BUY PACK'

SMART BUY PACK - 4x VSCC8722S Cameras With Lenses and Accessories



- Package Includes:
- 4 x VSCC8722S Cameras
 - 4 x 2.8-12mm DC Lenses
 - 4 x Camera Brackets
 - 8 x BNC Connectors
 - 4 x DC Connection Plugs

Part No.
CP8772SPACK

BULLET CAMERAS (COLOUR)



High Resolution Vari-Focal (4-9mm) Day/Night Bullet Camera - 560TVL Day / 600TVL Night

The compact size of this High Resolution Colour Bullet Camera makes it an ideal choice for home and business security installations. It has a High Quality 1/3' Sony Super HAD CCD with 560 TVL(Colour) / 600 TVL(B/W) resolution, providing a crisp clear picture quality both Day and Night. The camera's field of view can be easily adjusted utilising the 4.0mm ~ 9.0mm Vari-Focal Lens. The durable Aluminium / Weatherproof housing allows it to be used both indoor and out.

Manual Vari-Focal 4~9mm Vari-Focal

Image Sensor	1/3 Sony Super HAD CCD
Horizontal Resolution	560 TV Lines (Colour) / 600 TV Lines (B&W)
Lens	4.0 ~ 9.0mm Vari-Focal
Minimum Illumination	0.2 Lux(Day) / 0.03 Lux(Night) @ F1.2
Power	12V DC
Dimensions	105(L) x 26(Ø) mm

Part No.
VSSB-HDBCAM

'SMART BUY PACK'

SMART BUY PACK - 4x VSSB-HDBCAM Cameras With Accessories



Package Includes:

- 4 x VSSB-HDBCAM Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CPHDBCAMPACK



1/3 High Resolution Vari-Focal (9-22mm) Day/Night Bullet Camera - 560TVL Day / 600TVL Night

The compact size of this High Resolution Colour Bullet Camera makes it an ideal choice for home and business security installations. It has a High Quality 1/3in Sony Super HAD CCD with 560 TVL(Colour) / 600 TVL(B/W) resolution, providing a crisp clear picture quality both Day and Night. The camera's field of view can be easily adjusted utilising the 9 ~ 22mm Vari-Focal Lens. The durable Aluminium / Weatherproof housing allows it to be used both indoor and out.

Manual Vari-Focal 9~22mm Vari-Focal

Image Sensor	1/3 Sony Super HAD CCD
Horizontal Resolution	560 TV Lines (Colour) / 600 TV Lines (B&W)
Lens	9~22mm Vari-Focal
Minimum Illumination	0.2 Lux(Day) / 0.03 Lux(Night) @ F1.2
Power	12V DC
Dimensions	105(L) x 29(Ø) mm

Part No.
VSSB-HDBCAM9-22

|| DOME CAMERAS (COLOUR)

1/4 Entry Level Dome Camera - 350TVL



This entry-level colour dome camera is ideal for those who want a ceiling mounted dome camera for general scene surveillance. It provides good picture quality and has a stylish low profile design.

Image Sensor	1/4" Colour CCD
Horizontal Resolution	350 TV Lines
Lens	3.6mm Board
Minimum Illumination	0.5 Lux @ F2.0
Power	12V DC
Dimensions	60(H) x 100(Ø) mm

Part No.
VSTP101AVW

'SMART BUY PACK'



SMART BUY PACK - 4x VSTP101AVW Cameras With Accessories

Package Includes:

- 4 x VSTP101AVW Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CP101AVWPACK

1/3 Vari-Focal Armoured Dome Camera - 420TVL



This vari-focal armoured colour dome camera provides a vandal resistant solution for both indoor or outdoor security applications. It has a rugged corrosion resistant die cast aluminium base and an impact resistant polycarbonate dome cover. It is equipped with a vari-focal 3.5 ~ 8.0mm lens and has swivel and tilt adjustment for maximum versatility.

Image Sensor	1/3" Colour CCD
Horizontal Resolution	420 TV Lines
Lens	3.5 ~ 8.0mm Vari-Focal
Minimum Illumination	0.2 Lux @ F2.0
Power	12V DC
Dimensions	85(H) x 145(Ø) mm

Part No.
VSTPADOME

'SMART BUY PACK'



SMART BUY PACK - 4x VSTPADOME Cameras With Accessories

Package Includes:

- 4 x VSTPADOME Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CPADOMEPACK

1/3 Compact Design Tiny Dome Camera - 420TVL



This tiny dome camera is ideal for use in discrete applications and delivers good quality images.

Image Sensor	1/3" Sharp CCD
Horizontal Resolution	420 TVL
Lens	4.3mm Board Lens
Minimum Illumination	0.2 Lux @ F2.0
Power	12V DC
Dimensions	73Ø X 55(H) mm

Part No.
VSTINYDOME

'SMART BUY PACK'



SMART BUY PACK - 4x VSTINYDOME Cameras With Accessories

Package Includes:

- 4 x VSTINYDOME Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CPTINYDOMEPACK

1/3 High Resolution 4~8mm Vari-Focal Dome Camera - 550TVL



This high-resolution vari-focal colour dome camera is the ideal choice if you require a camera that allows you to adjust the focus to produce the best picture quality available. Ideal for retail shops.

Image Sensor	1/3 Panasonic CCD
Horizontal Resolution	550 TV Lines
Lens	4.0 ~ 8.0mm Manual Iris
Minimum Illumination	0.5 Lux @ F1.2
Power	12V DC
Dimensions	74(H) x 117(Ø) mm

Part No.
VSCC8710BVF

'SMART BUY PACK'



SMART BUY PACK - 4x VSCC8710BVF Cameras With Accessories

Package Includes:

- 4 x VSCC8710BVF Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CP8710BVFPACK



1/4 Vari-Focal (4.0 to 8.0mm) Dome Camera - 420TVL

This vari-focal colour dome camera is the ideal choice if you require a camera that allows you to adjust the focus to produce the best picture quality available. Ideal for retail shops.

Image Sensor	1/4" Panasonic CCD
Horizontal Resolution	420 TV Lines
Lens	4.0 ~ 8.0mm Manual Iris
Minimum Illumination	0.92 Lux @ F1.2
Power	12V DC / 24 AC
Dimensions	74(H) x 117(Ø) mm

Part No.
VSCC9612BVF



Day/Night High Resolution Infrared Dome Camera

This IR dome camera utilises a 1/3in high resolution CCD image sensor with 550 TV lines of horizontal resolution. It is equipped with a 6.0mm lens and has 18 individual Infrared LEDs allowing B/W operation at night. The camera can be rotated 0-90Deg. on its swivel base and tilted 0-180Deg.

Image Sensor	1/3" High Resolution CCD
Horizontal Resolution	550 TV Lines
Lens	6.0mm
Minimum Illumination	0.5 Lux @ F1.4 (0 Lux with IR on)
Power	12V DC
Dimensions	74(H) x 117(Ø) mm

Part No.
VSCC8712BIR

'SMART BUY PACK'

SMART BUY PACK - 4x VSCC9621BVF Cameras With Accessories

Package Includes:

- 4 x VSCC9621BVF Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CP9612BVFPACK

"THE ULTIMATE SOLUTION"

- IP66 Rated
- 560 TVL
- Vandal Resistant
- 4~9mm Vari Focal
- 25m IR Range

Day/Night High Resolution Vari-Focal, 25m Infrared Armoured Dome Camera - 560TVL Day / 600TVL Night

This camera has a High Quality 1/3" Sony Super HAD CCD with 560 TVL resolution providing outstanding picture quality. It also has Infrared LED's with an IR range of up to 25m providing a crisp clear picture quality both Day and Night. The camera's field of view can be easily adjusted utilising the Vari-Focal Lens. The Vandal Resistant / Weatherproof housing allows it to be used both indoor and out and is rated IP66. Ideal for all installations where picture quality counts!



1/3 Sony CCD Day/Night Dual Lens 30m Infrared Dome Camera - 540TVL Day / 600TVL Night

This camera features Dual Lenses eliminating the need for an IR cut filter. By incorporating a dedicated image sensor for both daytime (colour 540TVL) and night time (B/W 600TVL), this camera is able to provide extremely high quality images in all lighting conditions. It is also weatherproof and has an IR range of up to 30m, making it ideal for outdoor applications.

Dual Image Sensor	1/3" Sony Super HAD CCD(Colour) 1/3" Sony EX-View CCD(B/W)
Horizontal Resolution	540 TVL (Colour) / 600TVL (B/W)
Lens	MTV 3.6mm / 4.0mm
Minimum Illumination	0.1 Lux at F2.0
Power	12VDC
Dimensions	120Ø X 55(H)

Part No.
VSDDN30MIRDL



Image Sensor	1/3" Sony Super HAD CCD
Horizontal Resolution	560 TV Lines Colour / 600 TV Lines B/W
Lens (VSSB-DOMEIR)	4 -9 mm Vari-Focal
Lens (VSSB-DOMEIR2.8-11)	2.8-11 mm Vari-Focal
Minimum Illumination	0.2 Lux at F1.2 (IR LED On)
Power	12VDC
Dimensions	120(Ø)mm x 100(H)mm

Part No.
VSSB-DOMEIR
VSSB-DOMEIR2.8-11

'SMART BUY PACK'

SMART BUY PACK - 4x VSDDN30MIRDL Cameras With Accessories

Package Includes:

- 4 x VSDDN30MIRDL Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CPDDN30MIRDL



Wall Mount >>>

<<< Ceiling Mount

High Resolution Vari-Focal Pendant Dome Camera

This colour vari-focal dome camera is ideal for mounting on ceilings or external walls.

Image Sensor	1/3" Sony Super HAD CCD
Horizontal Resolution	580 TV Lines
Lens	4 -9 mm Vari-Focal
Minimum Illumination	0.5 Lux at F1.4
Power	12VDC / 24VAC
Dimensions	131(Ø) x 224(L) x 238(H) mm - Wall Mount 131(Ø) x 302(L) mm - Ceiling Mount

Part No.
VSDHVPM
VSDHVCM



1/4 Day/Night 15m Infrared Camera - 420TVL - Rated IP68

Ideal for both indoor and outdoor applications. IR range of 15m. Rated IP68

15M IR Range

Image Sensor	1/4" High Quality CCD
Horizontal Resolution	420 TV Lines
Lens	3.6mm
Minimum Illumination	0.5 Lux @ F2 (0 Lux with IR on)
Power	12V DC
Dimensions	100(L) x 65(W) 63.8(H) mm

Part No.
VSTP936IRAV

'SMART BUY PACK'



SMART BUY PACK - 4x VSTP936IRAV Cameras With Accessories

Package Includes:

- 4 x VSTP936IRAV Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CP936IRAVPACK

INFRARED EXTERNAL CAMERAS (COLOUR)



1/4 Day/Night 15m Infrared Camera - 420TVL

These cameras are ideal for both indoor and outdoor applications and have an IR range of up to 15m.

15M IR Range

Compact Size

Image Sensor	1/4" Colour CCD
Horizontal Resolution	420 TV Lines
Lens	4.0mm
Minimum Illumination	0.6 Lux @ F1.2 (0 with IR on)
Power	12V DC
Dimensions	56(H) x 44(Ø) mm

Part No.
VSWDN15MIR



1/4 Day/Night 30m Infrared Camera - 420TVL

This camera utilises a high quality 1/4" Sharp CCD image sensor with 420 TV lines of horizontal resolution. It has 24 individual IR LEDs to enable up to 30m infrared illumination range, a weatherproof housing with a protective sunshield and mounting bracket for tilt and swivel adjustment.

30M IR Range

Image Sensor	1/4" Colour CCD
Horizontal Resolution	420 TV Lines
Lens	4.0mm
Minimum Illumination	0.6 Lux @ F1.2 (0 with IR on)
Power	12V DC
Dimensions	125(L) x 69(Ø) mm

Part No.
VSWDN30MIR

'SMART BUY PACK'



SMART BUY PACK - 4x VSWDN15MIR Cameras With Accessories

Package Includes:

- 4 x VSWDN15MIR Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CP15MIRPACK

'SMART BUY PACK'



SMART BUY PACK - 4x VSWDN30MIR Cameras With Accessories

Package Includes:

- 4 x VSWDN30MIR Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CP30MIRPACK



**Features Easy To Adjust
External Vari Focal Levers**



**25M
IR Range**

1/3 Sony CCD High Resolution Vari-Focal Day/Night 25m Infrared Weatherproof Camera - 550TVL

- Outdoor installation.
- 28 IR LEDs.
- Up to 25m Infrared Range
- Built-in Auto Iris 4~9.0mm Vari-Focal Lens.
- 550 TV Lines Horizontal Resolution
- Focus of Lens is adjusted by Outer Controller.
- Monochrome image at low light condition, no color noise.
- Tough weatherproof metal housing design.
- IP 66 Waterproof Resistance.

Image Sensor	1/3" Sony Ex-View CCD
Horizontal Resolution	550 TVL
Lens	4.0 ~ 9.0mm, Auto Iris, Vari-Focal
Minimum Illumination	0.03 Lux @ F1.4 (0 Lux with IR on)
Power	AC / DC (12~24V)
Dimensions	100(Diam.) x 235(L) mm

Part No.
VSCC28987DVF



**40M
IR Range**

1/3 Sony CCD Day/Night Dual Lens 40m Infrared Camera - 540TVL Day / 600TVL Night

This camera features Dual Lenses eliminating the need for an IR cut filter. By incorporating a dedicated image sensor for both daytime (colour 540TVL) and night time (B and W 600TVL), this camera is able to provide extremely high quality images in all lighting conditions. It is also weatherproof and has an IR range of up to 40m, making it ideal for outdoor applications. Rated IP65

Dual Image Sensor	1/3" SONY CCD(Colour) 1/3" SONY CCD(B/W)
Horizontal Resolution	540 TVL (Colour), 600TVL (B/W)
Lens	3.6mm / 4.0mm
Minimum Illumination	(0 Lux with IR ON)
Power	12V DC
Dimensions	80(W) X 160(L)

Part No.
VSWDN40MIRDL

'SMART BUY PACK'

**SMART BUY PACK - 4x
VSWDN40MIRDL Cameras With
Accessories**

Package Includes:

- 4 x VSWDN40MIRDL Cameras
- 8 x BNC Connectors
- 4 x DC Connection Plugs

Part No.
CPWDN40MIRDL

PTZ SPEED DOME CAMERAS (COLOUR)



Internal Day/Night High-Speed Dome 18 x Optical Zoom

High resolution day night switching internal high speed dome camera with a built in 216 x zoom lens, using a moving IR cut filter to switch between monochrome and colour. The Pan tilt and zoom functions can be controlled either remotely using a joystick controller or via a suitable DVR. The camera uses RS485 PELCO-D / P to communicate. There are four alarm inputs that can be linked to preset camera positions. The camera has many advanced features including extremely low lux operation and a fully adjustable white balance function, these and other options are set-up in the on screen display

Image Sensor	1/4" CCD with Sony Original Module
Horizontal Resolution	470 TV Lines
Lens	216 x Zoom Ratio - 18 x Optical / 12 x Digital
Minimum Illumination	Low sensitivity of 0.01 lux (F1.4, ICR on)
Power	24VAC
Dimensions	216.5(L) x 133(Diam.) mm

Part No.
VSPTZ55



External High-Speed Dome 18 x Optical Zoom

High resolution external high speed dome camera with a built in 216 x zoom lens, using a moving IR cut filter to switch between monochrome and colour. The Pan tilt and zoom functions can be controlled either remotely using a joystick controller or via a suitable DVR. The camera uses RS485 PELCO-D / P to communicate. There are four alarm inputs that can be linked to preset camera positions. The camera has many advanced features including extremely low lux operation and a fully adjustable white balance function, these and other options are set-up in the on screen display

Image Sensor	1/4" CCD with Sony Original Module
Horizontal Resolution	470 TV Lines
Lens	216 x Zoom Ratio - 18 x Optical / 12 x Digital
Minimum Illumination	Low sensitivity of 0.01 lux (F1.4, ICR on)
Power	24VAC
Dimensions	200(Ø) x 280(L) mm

Part No.
VSPTZ55W

PTZ SPEED DOME CAMERAS (COLOUR)



Full Featured Speed Dome Controller

Speed Dome Controller with Keyboard and Joystick, Controls up to 32 Speed Dome Cameras, RS485 Multi Protocol, with LCD Display.

- 0~255 address range for camera and decoder
- Up to 128 preset positions and 6 cruising tracks
- Manual or automatic camera controller
- Manual control of focus, zoom and lens iris

Part No.
VSPTZKB



RS-232 to RS-422/485 Converter

RS-232 to RS-422/485 bi-directional converter. It allows one RS-232 port to be converted to and from RS-422 or RS-485 port, which can thus control up to 32 devices within 1200m in a multidrop environment.

Part No.
RS232TORS485



RS-422/485 Repeater

Boost RS-422 and RS-485 signals up to 1200m. Increase the maximum number of connected nodes to 128. Automatically detects data flow direction and switches data lines accordingly.

Part No.
RS232TORS485REP

CCTV SURVEILLANCE SIGNS



Warning Sign - A4 Size Blue Print on Corflute

These weatherproof / UV resistant warning signs help to increase the overall effectiveness of surveillance systems acting as a deterrent to would be criminals.

- Dimensions: 212(W) x 299(H) x 4(D)mm

Part No.
VSA24

CAMERA TEST EQUIP



Portable 3.5 Inch LCD CCTV Camera Test Monitor - Wearable Pouch Allows Hands Free Operation

The VSCAMTESTER is a Portable 3.5 Inch LCD Test Monitor used to test, adjust and focus surveillance cameras whilst mounted in position. It comes with a handy lightweight carrying case that can be worn around your arm to provide total hands free maneuverability. It can be powered by either battery or 12VDC.

- Hi-resolution digital TFT-LCD module
- Wearable pouch for hands-free operation
- Dual power sources battery or DC input
- CE / FCC approved. ROHS followed
- No more hand phone call charges, weak walkie-talkie signal or need for a second person to assist positioning and trouble shooting camera



Wear On Arm

Part No.
VSCAMTESTER

CAMERA LENSES



2.8mm - 12mm DC Vari - Focal Auto - Iris Lenses

For indoor or outdoor use where light levels vary constantly and optimum performance is required under all light conditions. Includes the ability to adjust the field of view (wide to telescopic angles).

Part No.
VSLA2.8-12DC



6mm - 60mm DC Vari - Focal Auto - Iris Lenses

For indoor or outdoor use where light levels vary constantly and optimum performance is required under all light conditions. Includes the ability to adjust the field of view.

Part No.
VSLA6-60DC



2.8mm - 12mm Vari - Focal Manual - Iris Lenses

For indoor use. Ability to finely adjust lens aperture and focus for superior picture quality. Includes the ability to adjust the field of view.

Part No.
VSLM2.8-12

CAMERA HOUSINGS & BRACKETS



Armoured Dome Housing without Camera

This high quality armoured dome camera housing provides a weatherproof, tamper-resistant solution for both indoor and outdoor security applications.

- Corrosion resistant aluminium base
- Impact resistant polycarbonate cover
- Tamper-resistant screws
- Dimensions: 85(H) X 145(Dia)mm

Part No.
VSARMOURDOME



Weatherproof Camera Housing with Bracket - Suitable For Cameras No Larger Than: 76(W) x 62(H) x 220(L)mm

Constructed from light weight solid weatherproof aluminium, this housing is ideal for outdoor use.

- Suitable for cameras no larger than: 76(W) x 62(H) x 220(L) mm
- Dimensions of housing: 110(W) x 100 (H) x 340 (L) mm

Part No.
VSCA13



Weatherproof Camera Housing with Bracket - Suitable For Cameras No Larger Than: 76(W) x 72(H) x 260(L)mm

This housing has been IP66 certified and is constructed from light weight solid weatherproof aluminium making this housing ideal for outdoor use.

- Suitable for cameras no larger than: 76(W) x 72(H) x 260(L) mm
- Dimensions of housing: 113(W) x 106(H) x 410(L) mm

Part No.
VSGL606



Classical Camera Housing - Suitable For Cameras No Larger Than: 90(W) x 70(H) x 230(L)mm

This housing is constructed from extruded aluminum and is powder coated and stove finished. The design and manufacture is to the highest technical standard with environmental protection to level IP 66. The housing is supplied with an adjustable cable managed mounting bracket.

- Suitable for cameras no larger than: 90 (W) x 70 (H) x 230 (L) mm
- Dimensions of housing: 110(W) x 100 (H) x 340 (L) mm

Part No.
VSTPH-1000



Swivel and Tilt Short Metal Camera Bracket - 100(L)mm

- Swivel and tilt metal camera bracket
- Dimension of bracket: 100(L)mm

Part No.
VSCA11



Pole Bracket

- Allows camera mounting on poles with adjustable fixing bands

Part No.
VS15-CD04BV



Swivel and Tilt Plastic Camera Bracket - 150(L)mm

- Swivel and tilt plastic camera bracket, off-white colour
- Dimensions of bracket: 150(L) mm

Part No.
VSCA9



Tinted Dome Covers 8" - 12" - 14"

Available in 8"/12"/14"(Dia.)

Part No.
VSTD8
VSTD12
VSTD14



Outdoor Housing and Pendant Set

This heavy duty dome housing is constructed from 1.6mm powder coated aluminum. A versatile camera mounting bracket allows the correct positioning of the camera lens. 180mm is the recommended maximum length of the camera and lens combination.

- Dimensions of housing: 275(W) x 330(H) mm (including wall bracket)

Part No.
VSPTZHOUSINGEX



Outside Corner Bracket - For use with VSPTZHOUSINGEX only

- Waterproof bracket suitable for mounting your camera externally in corners.
- For use with VSPTZHOUSINGEX only

Part No.
VS15-05BM



3 Feet Straight Bracket - For use with VSPTZHOUSINGEX only

- Supplied in three screw together sections with bottom mounting flange.
- For use with VSPTZHOUSINGEX only

Part No.
VS15-CD03BV3



6 Feet Straight Bracket - For use with VSPTZHOUSINGEX only

- Suitable for mounting cameras in high locations where maximum field of view is essential
- For use with VSPTZHOUSINGEX only

Part No.
VS15-CD03BV6

CAMERA ACCESSORIES



RF Modulator for Surveillance Cameras

This unit allows the connection of a CCTV camera with or without sound to a TV that has a TV aerial socket / RF socket. It has 2 RCA plugs. 1 x video, 1 x audio and a DC socket for a 12VDC power supply (100mA).

Part No.
VSARFMOD

4 Way Video Distribution Amplifier - Split 1 Video Signal Into 4



- For splitting 1 video signal into 4 without Signal Loss
- 1 x Composite Video Input
- 4 x Composite Video Outputs
- Power: 240 VAC

Part No.
VSCA17

Composite (BNC / RCA) to VGA Converter



- Converts Composite to VGA
- Output Resolution up to 1024 x 768 @ 60Hz
- Allows Use of Cost Effective PC / VGA Monitors with DVRs
- Includes 5VDC Power Supply

Part No.
VID2VGA

Remote Microphone with PreAmp



- High sensitivity microphone. Can be connected directly to audio input or TV/VCR/DVR.
- 12VDC

Part No.
VSAMIC

CASH REGISTER INTERFACE SOFTWARE



CCTV Cash Register Interface

The VSI-Pro is an excellent tool for controlling inventory shrinkage and loss prevention. When interfaced between a cash register and DVR, the VSCASHOSD overlays the register transaction data onto the video picture to get the complete picture of every transaction. The 24 programmable exceptions provide on-screen alerts, making the finding of suspicious transactions fast and simple.



Part No.
VSCASHOSD

Customisable DVR Package Solutions To Match Your Requirements

Here at RhinoCo Technology we strive to provide our clients with the products and services that meet the clients needs. If you require a customised digital monitoring package, contact us now.



MAIN FEATURES:

- Store up to 80TB (82,000 GB) worth of recorded video footage over 16 machines.
- RAID support available for drive mirroring and extended recording capabilities.
- Record up to 3200 frames per second globally.
- REAL-TIME recording and playback available.
- SMS notifications can be sent to your mobile phone whenever an important event occurs (such as power loss, data corruption, network transmission failure etc.)
- Email Alerts - Your system can send emails on a range of events (eg. Motion Detection, Video Loss, Hard Drive Failure).
- Secure and lockable systems

ALSO AVAILABLE:
RACKMOUNT POWER SUPPLIES
RACKMOUNT BALUNS



UPS - UN-INTERRUPTED POWER SUPPLY

Provide power protection for your video surveillance systems in the case of a power failure. These units will power your video surveillance systems for an extended period of time and will activate an audible alarm alerting you that power has been lost, allowing you to safely shutdown your systems without any data loss.



DIGITAL VIDEO RECORDERS

Mount up to 16 Digital Video Recorders for complete CCTV solution.



KVM - CENTRAL KEYBOARD, VIDEO & MOUSE

View and control multiple DVR & PC systems through the 1 keyboard, monitor and mouse. Change between machines with a simple push of a button or keyboard.



SMS SYSTEM NOTIFICATION MESSAGES

By utilising the Securview TSMS, your system can be setup to send an SMS message to up to 5 mobile phones whenever an important event occurs (eg. Power loss, failure).



RS232/485 CONVERTER - PTZ, ZOOM & CUSTOM FUNCTION

Converts RS232 signals to RS485 to allow control of 256 PTZ cameras from the client software. RS485 repeaters and customisable protocols are available.



MULTI-HOST SETUP & OTHER NETWORKING OPTIONS...

Remotely view up to 256 cameras from anywhere around the world. Setup remote connections to your sub-branches to be viewable from your headquarters.



VIDEO OUTPUT OPTIONS FOR SPOT MONITORS...

Setup monitors remotely to display recorded & live recording footage.



OPTIONAL PACKAGE PRE CONFIGURATION

Have your customised package setup prior to delivery to your premises for a simple 'plug and play' installation - no configuring required.



ETHERNET SWITCHES

Rack mount ethernet switches can connect up to 16 DVRs.

STAND ALONE DIGITAL VIDEO RECORDER



Entry-level MPEG4 4 Channel DVR

This unit is ideal for the home or small business owner wanting to set up a digital surveillance system with network and remote access. It can record up to 25 image frames per second per camera (based on using all 4 cameras) and features MPEG4 video compression technology. This enables high quality image recording with reduced file sizes, maximising the amount of footage that can be recorded on the hard drive. The multiplex operation adds to the systems functionality allowing live display, record, playback and network operation at the same time. The unit is easy to operate, and the simple on screen display menu allows the user to search recorded footage and alter settings as required. If connected to a Windows PC network, footage can be viewed over the network using the included software. If the network has a high speed internet connection, footage can also be viewed remotely over the internet. The software also enables footage to be backed up / archived from the DVR to a PC allowing storage on another HDD or burning to a DVD or CD.

- **MPEG4 Based Compression**
- **Real Time Live Display**
- **160GB Hard Drive**
- **Recording Rates Up to: 100fps@352x288/50fps @ 704x576**



Video Compression Format	MPEG4
Recording Resolutions	352x288, 720x576
Max. Recording Frame Rate	100FPS Global
Max. Display Frame Rate	100 FPS 'Real-Time Display'
Backup Methods	Network Remote Backup
Hard Drive Bays	1xHDD
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration



Part No.
DVR4CHSOV4

NEW GENERATION H.264 HIGH RESOLUTION DIGITAL VIDEO RECORDER

H.264 Enhanced Compression High Res. 1280 x 1024 Display

New Generation High Resolution 4 Channel DVR - H264 Enhanced Compression

This new generation, high resolution DVR may be compact by design, but it is packed with features including:

- H.264 enhanced video compression
- High resolution (1280 x 1024) display
- USB and Network backup
- IR remote control and USB mouse
- Supports SATA HDD

It has also been cleverly designed to attach to the rear of a monitor utilising the existing STD VESA mounts. This space saver design is ideal for tight installs and allows users to maximize their workspace.



New Concept

'Compact Design'
The DVR unit simply slides onto the rear of the monitor for maximum space saving

Space Saver Design

- Compact design
- Utilises STD VESA fittings for mounting
- Ideal for tight installs
- Maximise desk space
- Easy access to USB
- Attractive appearance



Video Compression Format	MPEG4
Recording Resolutions	352x288, 720x576
Max. Recording Frame Rate	100FPS Global
Max. Display Frame Rate	100 FPS 'Real-Time Display'
Backup Methods	Network Remote Backup
Hard Drive Bays	1xHDD
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

Part No.
DVR4CHSOUH264



4, 8, 16 Channel Linux Embedded Stand Alone Digital Video Recorder

Featuring MPEG4 Video Compression Technology, built in CD/DVD burner/USB backup and network/remote Internet access, these DVRs have everything for the conscientious home or business owner wanting to set up a quality stand alone digital surveillance system. They can record up to 25 image frames per second per camera and utilising video compression technology enable high quality image recording with reduced file sizes, maximising the amount of footage that can be recorded on the hard drive. The Triplex operation adds to the systems functionality allowing live monitoring, remote playback and file backup at the same time. The unit is easy to operate, and the simple on screen display menu allows the user to search recorded footage and alter settings as required. If networked to a Windows PC, footage can be viewed and backed up via the network, using the included software and if the network has a high speed internet connection, footage can also be viewed remotely over the internet.

- **4, 8 & 16 Channel Available**
- **MPEG4 Based Compression**
- **Real Time Live Display**
- **Recording Rates Up to: 200fps @ 352x288/50fps @ 704x576**
- **USB, CD-RW/DVD and Network Back Up**
- **User Friendly On Screen Display Menu**
- **Infrared Remote Control**
- **Embedded Linux Operating System**
- **USB Mouse Compatible**



* Monitor Not Included





4 Channel MPEG4 Linux, Stand Alone DVR With CD/DVD/ USB Backup, IR Remote and USB Mouse

Video Compression Format	MPEG4
Recording Resolutions	352x288, 704x576
Max. Recording Frame Rate	100 FPS Global
Max. Display Frame Rate	100 FPS (Real-Time Display)
Backup Methods	CD / DVD / USB
Hard Drive Bays	2xHDD + DVD Burner
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

* Hard drive not included



Part No.
DVRWGUARD4V3



8 Channel MPEG4 Linux, Stand Alone DVR With CD/DVD/ USB Backup, IR Remote and USB Mouse

Video Compression Format	MPEG4
Recording Resolutions	352x288, 704x576
Max. Recording Frame Rate	200FPS Global
Max. Display Frame Rate	200 FPS (Real-Time Display)
Backup Methods	CD / DVD / USB
Hard Drive Bays	2xHDD + DVD Burner
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

* Hard drive not included



Part No.
DVRWGUARD8V2



16 Channel MPEG4 Linux, Stand Alone DVR With CD/DVD/ USB Backup, IR Remote and USB Mouse

Video Compression Format	MPEG4
Recording Resolutions	352x288, 704x576
Max. Recording Frame Rate	200FPS Global
Max. Display Frame Rate	400 FPS (Real-Time Display)
Backup Methods	CD / DVD / USB
Hard Drive Bays	2xHDD + DVD Burner
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

* Hard drive not included



Part No.
DVRWGUARD16V2

PLATINUM SERIES

Platinum Series 16 Channel 400 FPS DVR

The Next Generation top of the range DVR PLATINUM SERIES features 400FPS display rate (REAL TIME) which is essential for prolonged periods of video monitoring (as it eliminates headaches and sore eyes). The PLATINUM400L has a 400FPS global recording frame rate and the user can select to record in either Standard Resolution or High Resolution. It has the ability to be remotely viewed from anywhere around the world by simply logging in to the system via your web browser. The included multi-host software allows multiple DVRs to be connected on a network to provide simultaneous viewing and control of up to 256 cameras. The DVR Platinum Series supports up to 5 hard disk drives allowing for a maximum of 5.0TB to be utilised.

- >>> 400 FPS REAL-TIME DISPLAY RATE
- >>> 400 FPS RECORDING RATE
- >>> HIGH RESOLUTION RECORDING
- >>> MULTI-HOST SOFTWARE
- >>> SUPPORTS VIDEO OVER IP
- >>> CD/DVD/USB & NETWORK BACKUP
- >>> STORE UP TO 5TB OF FOOTAGE
- >>> MPEG4 VIDEO COMPRESSION

Video Compression Format	MPEG4
Recording Resolutions	352 x 288 / 704 x 576
Max. Recording Frame Rate	400 FPS Global
Max. Display Frame Rate	400 FPS Global
Backup Methods	CD / DVD / USB
Hard Drive Bays	5
Network Functionality	Live View / Live Recording / Search / Setup / Backup



* Monitor Not Included

Part No.
DVRPLATINUM400L

PLATINUM MULTIHOST SOFTWARE

All of our PC based Linux DVR systems are suitable for commercial, industrial or residential use and come with the latest version of MPEG4 Multihost software, which enables you to be able to view up to 256 sites simultaneously.

Some of the software features include:

- Web Interface / NT Server & Inbuilt support for remote viewing
- MPEG4 Recording (high quality video compression)
- Simple network configuration
- View via the internet / LAN / WAN using your ethernet, broadband or cable connection (just enter in your DVR's IP address along with your username and password to view all of your cameras!)
- Remotely administer your Digital Video Surveillance system without having to be in front of it! Control it from anywhere around the world
- Pan / Tilt/ Zoom control
- Search for saved images
- Secure username & password login (Multi-Level)
- Multi-Host software - View multiple sites simultaneously
- Selectable display modes (eg. view cameras as: 2 x 2, 4 x 4 etc)
- Can be used with VSNTSERVER
- Remotely backup recorded video footage

Platinum Multihost Software - How It Works

This system gives you total control and flexibility, no longer do you have to imagine viewing all your sites at once the Technology is here and it's included with the Platinum series.

What Does It Mean?

In the example installation below the client has 3 sites located throughout Australia, using standard non multihost systems would only allow the remote monitoring site to be able to view one location at a time, however by using the Platinum series DVR's with the included Multihost Software you are able to view and control any combination of cameras and sites from anywhere around the world simultaneously. In the example the client has chosen 13 cameras from the NSW site, 11 from the Qld site and 15 from the VIC site, meaning all 39 cameras are displayed at once on the remote viewing screen. This system has total flexibility and can be changed at any time by simply selecting what combination of cameras you require, you can choose to view and control 1, 10, 20, 100, 200 cameras or more simultaneously.



Benefits:

In today's changing world businesses are wanting to monitor their operations more closely for a number of reasons including, time and motion studies, OH&S, staffing issues and security. By being able to view multiple sites simultaneously businesses can take an overall look at their operations and compare what works at different sites and what does not, allowing them to streamline their operations for maximum effectiveness. OH&S problems and staffing issues can be recognised and rectified and one person can maintain effective security surveillance over multiple locations. The Platinum series has been designed to offer a packaged solution that suits all businesses from small single unit installations to large multi national organisations.

ADVANCED SOFTWARE - CMS MANAGEMENT TOOL

Platinum DVR Central Management Software (CMS)

The Platinum DVR CMS software offers users the most compelling remote monitoring solution available in the modern IP-Surveillance security market. It has capabilities to view, search data and control up to 1,024 cameras from any combination of up to 64 Linux DVR Software products worldwide via Internet. The powerful video data handling proficiency allows Linux DVR Software ACMS to handle high quality CIF and D1 resolution with ease. It is compatible with any of our MPEG4 Linux DVRs and NT Servers and is designed run constantly 24hours a day, 7 days a week.

Main Features

- User-friendly GUI with easy and instinctive controls
- Live monitor (up to 256 cameras in multiple windows)
- Event (motion) monitor and search
- Host manager for NT and Linux DVRs
- Remote Window for camera controls such as PTZ and presets, contrast, hue, colour
- Toolbox for top-level menubox, quick connect function
- e-map for displaying direct location of camera
- Log Monitor

Powerful Event Management

- In real-life monitoring, it may be strenuous for users to identify vital problems instantly from the video data. Therefore, Linux DVR Software ACMS provides effective event management functions in order to deal with video data from multiple cameras or DVRs.

Multi-Monitor Support

- The application of single window program will be inadequate to accommodate the diverse functions of CMS. Linux DVR Software ACMS allows users to allocate relevant functions independently in order to support monitoring using multiple monitors.

Search and Backup

- Specific video data backup and search on event basis is vital for incident capture and evidence material retrieval. To support such functions, Linux DVR Software ACMS is enriched with application of event basis search manual backup and event based automatic backup, scheduled backup and much more.

* For further information on this product please visit us at www.rhino.com.au or contact our sales office.



Linux DVR Software ACMS Multi-Monitor View

Part No.
DVRCMSAPP

PLATINUM SERIES NETWORK VIDEO WEB SERVER



(Side View 1)



(Side View 2)

Platinum Series Network Video Web Server

The VSNTSERVER encodes and decodes video/audio/control data for transmission over an IP network, so you can convert an analogue camera into a network attached recording device. Not only can it be accessed anywhere in the world, it can also be recorded over your network to a Linux based digital video recorder (DVR), saving you money on long coax runs and installation costs. Two of these units can also be used in a transmitter/receiver setup for analogue video transmission over a network, without the need for coax or even a DVR system.

- Converts CCTV analogue data into digital MPEG4 data
- Designed to be mounted to walls with aluminum case to prevent overheating
- Transmission of 25fps high resolution video images
- Bi-directional audio support for voice communication
- Application for mass scale monitoring terminal through SNMP V2 support
- Designed for use with our Platinum Series DVRs
- Utilises Platinum DVR as the video storage/distribution device
- Ability to modify transmission volume through motion detection/sensor input
- Directly accessible via Web Interface and Multihost Software
- PTZ camera support
- Sensor Input and Relay output
- Adjustable bandwidth, image rate and image quality
- 130mm x 145mm x 25mm

Part No.
VSNTSERVER

JVC HYBRID NETWORK VIDEO RECORDER (ANALOGUE / IP CAMERAS)

JVC Hybrid Network Video Recorder For Analogue and IP Cameras

* Hard Drive Not Included



Milestone XProtect Enterprise embedded for maximum user-friendliness and easy operation

Video Compression Format	Motion JPEG/MPEG-4
Recording Resolutions	1024 x 768 / 1280 x 1024 / 1600 x 1200
Max. Recording Frame Rate	Up to 120 ips in VGA (Total 9 cameras) Up to 180 ips in QVGA (Total 9 cameras)
Max. Display Frame Rate	Up to 60ips in VGA (Total 9 cameras)



* Monitor Not Included

The VSJVC-VRN900U network video recorder has a simple, robust and effective design including front panel controls that security operators will find easy to use. It works with both analogue and IP cameras and is the ideal solution for new or upgrading an existing system to digital IP networks, whether using analogue, digital, or a mixture of both camera types. The VR-N900U uses an automatic IP camera addressing mode to make installation uncomplicated like analogue. Easy operation is assured with the pre-installed application software by Milestone Systems, and the added versatility of a unique VCR/DVR-like design that makes it possible to control basic functions on the front panel. The VSJVC-VRN900U is a true hybrid recorder for use in a standalone system up to multiples in a network-based solution and ready to use straight from the box with no additional software and network servers being required.

Main Features:

- Multiple VR-N900s can also be connected via a standard Network and for larger systems, multiple NVR's can be connected to Network Servers.
- The intuitive NVR automatically configures itself to operate with supported IP cameras, network encoders and up to four analogue cameras allowing for quick and easy installation without complex set-up.
- An advanced "triplex" feature permits the simultaneous live viewing, recording and playback.
- VCR-like operation with front panel controls including Jog/Shuttle and RGB monitor output.
- Operates as a stand-alone unit without the need for a PC and fits easily within your existing network infrastructure.
- Easy installation with automatic detection function - just connect to your network and all necessary settings are done automatically.
- Milestone XProtect Enterprise embedded for maximum user-friendliness and easy operation.
- Open platform for enhanced scalability with external devices and future upgrades.
- Live (real-time) and recorded video can be viewed simultaneously.
- Networked cameras can be set to record once motion detection is triggered, as well as to speed up in motion, saving disk space.

Additional Features:

- Total of 9 recording channels
- Motion JPEG or MPEG4 recording
- 4-ch encoder built-in
- 250GB hard disk drive built-in
- Additional hard disk or USB external storage support
- Up to 120fps at VGA
- PTZ camera support
- Audio interfaces (Input x 2 / Output x 1)

XProtect Enterprise software by Milestone Systems A/S

This software is comprehensive IP software for larger installations handling an unlimited number of cameras, multiple servers and multiple sites. It is a top performance solution in the high-end IP security market for integrating with other database systems.

Advantages:

- Compatibility: Supports both Motion JPEG and MPEG-4 compressions
- Reliability: Currently serving more than 25,000 cameras installations worldwide
- Strength: Utmost performance is possible by multi-thread 32bit programming technology. Standard PC can also be used.
- Remote: Multiple site surveillance (via PC or PDA) is available at any time by remote access.
- Platform: Depending on requirements, it is possible to upgrade to a total system by IP technology and open architecture based on license structure.

Part No.
VSJVC-VRN900U

SAMSUNG DIGITAL VIDEO RECORDER



Video Compression Format	MPEG-4
Recording Resolutions	704x576 / 704x288 / 352x288
Max. Recording Frame Rate	100fps
Max. Display Frame Rate	100fps
Backup Methods	CD/DVD, 1 USB memory
Hard Drive Bays	1
Network Functionality	Interface 1RJ-45 (10/100 Base-T) Protocol TCP/IP, DHCP, Network manager

Samsung Techwin SVR-450 4CH Digital Video Recorder

The SVR-450 is the best DVR solution for implementation of small and medium scale security systems. The DVR allows you to upgrade your CCTV system from analogue to digital at an affordable price by integrating various DVR features.

These features include:

- MPEG-4 high quality compression
- Built-in support for up to 250GB as a standard HDD
- Real-time video recording for each channel at 25 FPS
- Simple graphic interface menu
- Real-time monitoring of a remote site via a network
- Built-in CD-RW drive

Part No.
VSSAM-SVR450



Video Compression Format	MPEG-4
Recording Resolutions	704 x 576 / 704 x 288 / 352 x 288
Max. Recording Frame Rate	100fps
Max. Display Frame Rate	100fps
Backup Methods	DVD+RW, 3 USB (2 Front)
Hard Drive Bays	4
Network Functionality	TCP/IP, DHCP, SMTP

Samsung Techwin SVR-950E 9CH Digital Video Recorder

The SVR-950E is a 16 channel stand-alone DVR showcasing state-of-the-art digital image processing technology. The MPEG-4 compression technology was used to build the SVR-950E to give it a capability to record video at 225 FPS (PAL). The SVR-950E's high performance image processing unit stabilizes network transmissions and improves network speed to an incomparable level. You can configure up to 4 internal HDD for 704 x 480, crystal clear, high resolution image data storage. And the units can be expanded up to 8TB of external storages with multiple connection of SVS-5, a powerful HDD extension unit ensuring a high capacity of data storage system. The standard DVDandRW, together with a USB memory stick, provides convenient ways to back up large data. The SVR-950E is controlled by a mouse, something you are already familiar with. Together with the user friendly GUI, controlling the SVR-950E couldn't be easier. It also comes with standard multi-protocol for easy networking with other peripherals. All the premium functions are included in the SVR-950E to give you the highest level of security, and its luxurious design will upgrade the elegance of your video surveillance system.

Part No.
VSSAM-SVR950E



Video Compression Format	MPEG-4
Recording Resolutions	704 x 576 / 704 x 288 / 352 x 288
Max. Recording Frame Rate	400fps
Max. Display Frame Rate	400fps
Backup Methods	DVD+RW, 3 USB (2 Front)
Hard Drive Bays	4
Network Functionality	TCP/IP, DHCP, SMTP

Samsung Techwin 16CH Premium Digital Video Recorder

The SVR-1650E is a 16 channel stand-alone DVR showcasing state-of-the-art digital image processing technology. The MPEG-4 compression technology was used to build the SVR-1650E to give it a capability to record video at 400 FPS (PAL). The SVR-1650E's high performance image processing unit stabilizes network transmissions and improves network speed to an incomparable level. You can configure up to 4 internal HDD for 704 x 480, crystal clear, high resolution image data storage. And the units can be expanded up to 8TB of external storages with multiple connection of SVS-5, a powerful HDD extension unit ensuring a high capacity of data storage system. The standard DVDandRW, together with a USB memory stick, provides convenient ways to back up large data. The SVR-1650E is controlled by a mouse, something you are already familiar with. Together with the user friendly GUI, controlling the SVR-1650E couldn't be easier. It also comes with standard multi-protocol for easy networking with other peripherals. All the premium functions are included in the SVR-1650E to give you the highest level of security, and its luxurious design will upgrade the elegance of your video surveillance system.

Part No.
VSSAM-SVR1650E

DVR & VIDEO SURVEILLANCE ACCESSORIES



High Quality Professional Rackmount Cabinets

- Available in 3 Sizes:
- 18RU (W600 x D450 x H950mm)
 - 27RU (W600 x D800 x H1400mm)
 - 37RU (W620 x D800 x H1800mm)
- Glass front panel with deluxe lock
 - Metal side panels
 - Metal rear door with lock
 - Inbuilt cooling fans
 - 4(18RU) and 6 outlet universal power adaptor sockets
 - Base with four twin castor wheels (2 with brakes) stands also available

Part No.
 RACKMOUNTCAB18
 RACKMOUNTCAB27
 RACKMOUNTCAB37



1.8 Metre KVM Cable

- For any additional devices on your KVM switch

Part No.
 KVMCABLE1.8



8 Port Rack Mount KVM Switch

Featuring a console port to connect your shared keyboard, video and mouse to up to 8 individual computers / servers / DVRs.

- 8 Port 19" Rackmount PS/2 KVM Switch in Metal Enclosure
- PS/2 Style Keyboard and Mouse Control
- Direct Channel Selection and Operation Using Front-Panel Push Buttons and Keyboard Hotkeys
- Support for DOS, Windows 95/98/SE/ME/2000/XP, Linux etc
- LED Indicators for Easy Port Status Monitoring
- Also Available in 2, 4 and 8 Port Non-Rack Mount Versions



Professional 19 Inch /3U Rack Mount PC/DVR Case

This professional 19" rack mount PC/ DVR case comes supplied with all the cabling required to connect your components.

- 3U rack mount chassis
- Power supply not included

Part No.
 DVRCASE3

Part No.
 KVMRACK

DVR & PC DISPLAY MONITORS



Mitsubishi 17 Inch LCD Monitor Specifically For Security Industry - Protective Glass Screen (4:3) Ratio

This monitor has been designed specifically for use within the security industry with a protective glass screen and is suitable for use with both PC based and standalone DVRs. It is ideal as a direct replacement for old CRT style monitors as it features a BNC video-in and a BNC video output (loop through) allowing you to connect multiple monitors in series.

- Scratch and Shock Resistant Protective Glass LCD Cover Shield
- High Resolution: 1280 x 1024 Maximum Resolution
- Super-Fast 8ms Response Time
- 3 Year Limited On-Site Warranty
- 500TVL video resolution
- High brightness and contrast - 300cd/m2 brightness and 500:1 contrast ratio
- BNC composite video in/out connections
- Built-in speaker
- Wall mountable (VESA standard)
- Video inputs: VGA using D-Sub, composite using BNC



Part No.
 VSDV174BP



Samsung 17" LCD Monitor - VGA and DVI Video Input

- 3 Year Warranty
- Screen Size: 17 inch (43 cm)
- Video Input: 15 Pin D-Sub (VGA) / DVI-D (Digital Visual Interface)
- Display Area: 337.920 mm (H) x 270.336 mm (V)
- Aspect Ratio: 4:3 (Suitable CCTV Industry - Not Wide Screen)
- Resolution: 1280 x 1024
- Response Time: 5ms
- Adjustable Stand: Height Adjustable, Pivot, Swivel 360 Deg., Tilt
- Wall-Mount: VESA 75mm
- Product Dimension: (With stand, WxHxD) 368.0 x 367.2 x 190.0mm

2 Models Available:

Model: LCDSAM17743B

VGA/DVI-D ONLY



Model: TFT17V-S

Composite (BNC) ONLY



Part No.

LCDSAM17743B

TFT17V-S



Samsung 19" LCD Monitor - Composite Video Input Only

- 3 Year Warranty
- Screen Size: 19 inch (48 cm)
- Display area: 376.32 mm (H) x 301.056 mm (V)
- Aspect Ratio: 4:3 (Suitable CCTV Industry - Not Wide Screen)
- Resolution: 1280 x 1024
- Response Time: 5ms
- Adjustable Stand: Height Adjustable, Pivot, Swivel 360o, Tilt
- Wall-Mount: VESA 75mm
- Product Dimension: (With stand, WxHxD) 405.6 x 380.2 x 190.0 mm
- Product Dimension: (Without Stand, WxHxD) 405.6 x 335.2 x 63.8 mm
- Shipment Dimension: (WxHxD) 479.0 x 203.0 x 412.0mm
- Product Weight: 4.85Kg
- Shipment Weight: 6.50Kg

2 Models Available:

Model: LCDSAM19943B

VGA/DVI-D ONLY



Model: TFT19V-S

Composite (BNC) ONLY



Part No.

LCDSAM19943B

TFT19V-S



7 Inch LCD Monitor With Stand and Remote Control - Dual Video Inputs

- Display size: 7 inch
- Aspect ratio: 16:9
- Resolution: 234 x 480pixels
- Dual video inputs (Video1 and Video2)
- Multi-purpose LCD monitor for VCD/DVD/TV/GPS
- Full function remote control
- Power supply: DC 12V
- Power consumption: 7W
- Dimension: 195 x 140 x 25mm

Part No.

LCD7



LCD/TFT Screen Wall-Mount Bracket with Tilt / Swivel

- Std VESA 50/75/100/200/100x200
- Tilt/Swivel Adjustments
- Max Load 30kg

Part No.

TFTBRACKETSW



LCD/TFT Screen Wall-Mount Bracket with Tilt

- Std VESA 50/74/100/200/100x200
- 90 degree horizontal swing, and 20 degree vertical tilt
- 100mm Spacing
- Max Load 30Kg

Part No.

TFTBRACKET



Ceiling Mount LCD Bracket

- Standard VESA 50/75/100
- Adjustable drop 500-850mm
- Easy to install
- Max load 20kg

Part No.

VSCACMB

NETWORKING PRODUCTS & VIDEO WEB SERVERS



2 Channel Video Web Server

Allows you to upgrade your existing site based video monitoring system to allow remote viewing across the Internet. Each server allows for 2 analogue camera inputs and connects to the network via Ethernet.

Once the unit has been correctly configured it can be viewed and controlled around the world providing an extremely cost effective IP based surveillance system.

It is compatible with most CCTV cameras with an analogue output and has an auto e-mail warning system, which uploads images (to FTP site) and can advise you if an external alarm is triggered.

- Allows for watching and controlling on the Internet or LAN
- Watch dog function supported
- Supports Dynamic IP address via a Router
- 4 alarm inputs supported
- Duplex function, record and playback simultaneously at client site
- Intelligent recording function on Network Loss
- Multi AP screens and HTTP display (IE browser) supported

Part No.

VSWEBSERVER



3G HSPA Wireless Modem

The VSWAN3G facilitates remote installation of IP based equipment. Suitable for IP cameras and network servers. Transmits over the Telstra Next G mobile network. This allows you to remotely access your equipment from virtually anywhere, making it ideal for remote location, rapid deployment applications and event security.

- Connect any type of IP device such as camera or network server
- Analogue video signal cameras can also be connected utilising a optional web server

Certified for use on the Telstra network:

- Advanced persistent link technology to monitor link integrity and maximise uptime across unpredictable networks
- Easily accessible SIM module with dual SIM support for redundant network failover
- Informative status LEDs for power, signal strength and cellular link activity.
- Python scripting and custom development environment available



4 Port ADSL Router Modem

- Four 10/100Mbps ethernet ports for connection to computers
- DHCP automatically and dynamically assigns all LAN IP settings to each host on your network
- Easy installation: uses a web-based graphical user interface program for convenient management access and easy setup
- VPN support (L2TP, PPTP, IPSec)
- Support for static IP, dynamic IP and PPPOE connections

Part No.

ADSLROUTER2

Wireless 4 Port Network Router Modem

- Wi-Fi enabled computers/DVRs and devices can wirelessly connect and share a single incoming Internet Connection
- Four 10/100Mbps ethernet ports for connection to computers
- DHCP automatically and dynamically assigns all LAN IP settings to each host on your network
- Combined wireless ADSL modem and 802.11g wireless router in one
- Easy Installation: Uses a Web-based Graphical User Interface program for convenient management access and easy setup
- VPN support (L2TP, PPTP, IPSec)
- Wireless signal rates: IEEE 802.11b: 11, 5.5 and 1Mbps IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9, 6Mbps

Part No.

ADSLROUTERW



Part No.

VSWAN3G

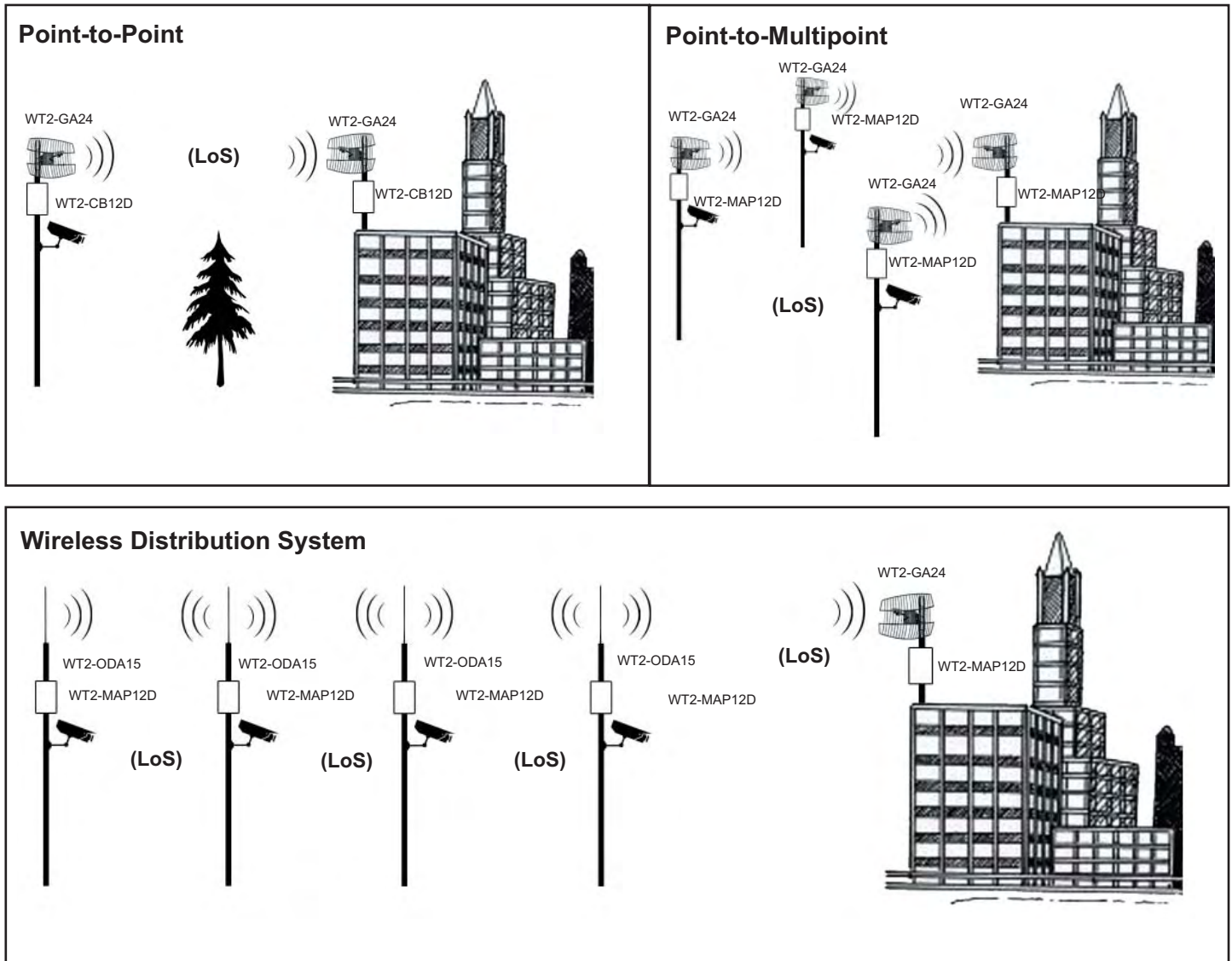
Wireless CCTV

Wireless transmission networks for CCTV security applications are becoming increasingly popular due to the flexibility of wireless communication and, low cost and low-disruption deployment compared to installing cabled systems.

At RhinoCo Technology we can customise your wireless solution utilising our range of analogue and digital transmission devices.

If you have a specific inquiry please visit us at www.rhino.com.au for further information or call our sales team.

Below are some examples of typical installations using our wireless transmission products.



Definitions:

IEEE 802.11

A set of standards for wireless local area network (WLAN) computer communication in the 5 GHz and 2.4 GHz public spectrum bands.

Access Point (AP)

Wireless base station which coordinates communication for wireless clients between each other and with the wired network.

Wireless LAN (WLAN)

One or more access points and their associated clients which communicate by radio to form a data network.

Wireless Distribution System (WDS)

Method for linking many wireless access points to form a mesh-like network.

Wireless Bridge

A pair of access points configured in bridge mode allowing two wired networks to be transparently connected through wireless link.

Line of Sight (LoS)

A clear, straight line path between wireless devices which is in no way obstructed by buildings or trees.

WIRELESS TRANSMISSION 2.4GHZ



Analogue Super Mini 2.4GHz 3-Channel Wireless AV Kit

- 2.4GHz transmitter and receiver
- Option to select up to 3 channels
- Super mini size
- Auto switch channel
- Transmits and receives video and audio (Stereo)
- Channel indicator LED
- Potential range up to 100 metres
- Easy installation
- Included 2 power supplies
- Weatherproof housing unit option available

Part No.
VS15-2400AK2



2.4GHz Wireless Transmission Client Bridge With 12dbi Embedded Patch Antenna

Long Range Outdoor Wireless Client Bridge with 12dbi embedded patch antenna. Offers a high performance, robust and extensive wireless coverage area that is an ideal outdoor Wireless Client Bridge solution for operating in a bridge-to-bridge mode and supporting point-to-point topology for most environments.

Part No.
WT2-CB12D



2.4GHz Wireless Transmission Multi Access Point With 12dbi Embedded Antenna

Together with the IP67 certified all weather enclosure and compliant to the IEEE802.11b/g standards, the WT2-MAP12D offers the most economical long range outdoor wireless AP solution available on the market. This Outdoor Wireless Access Point is the ideal outdoor hotspot solution for the following environments: Airports, Outdoor Shopping Malls, Public Parks, Stadiums, Convention Centres, Beaches, etc.

The product is intergrated with 12 dBi panel directional antenna and packaged with an Ethernet Inline Power Injector, Mast Mounting Bracket with U-bolts, and Waterproof connector.

Part No.
WT2-MAP12D



2.4GHz Wireless Transmission Client Bridge With N-Type Female Antenna Connector

Long Range Outdoor Wireless Client Bridge with N-Type Female Antenna Connector. Offers a high performance, robust and extensive wireless coverage area that is an ideal outdoor Wireless Client Bridge solution for operating in a bridge-to-bridge mode and supporting point-to-point topology for most environments.

Part No.
WT2-CBNFC



2.4GHz Wireless Transmission Multi Access Point With N-Type Female Antenna Connector

Together with the IP67 certified all weather enclosure and compliant to the IEEE802.11b/g standards, the WT2-MAPNFC offers the most economical long range outdoor wireless AP solution available on the market. This Outdoor Wireless Access Point is the ideal outdoor hotspot solution for the following environments: Airports, Outdoor Shopping Malls, Public Parks, Stadiums, Convention Centres, Beaches, etc.

Part No.
WT2-MAPNFC



2.4GHz Directional RF Yagi Antenna 15dbi

- 2.4GHz Directional RF Yagi Antenna
- Antenna Gain: 15dB
- Dimensions: 475(L) x 425(W)

Part No.
MWYAGIR8215



2.4GHz Directional Antenna 18dbi

N type female connector
 For external use
 For 15-2400 cameras and receivers
 Size: 360 x 220 x 40mm
 Weight: 1500g
 UVB resistant

Part No.
 VS15-2400AP18



2.4GHz Panel Antenna 21dbi

21dbi panel directional antenna deliver extended wireless access point range in a single floor environment with the antenna, ideally, secured at a corner of the building floor. These antennas can also be used for a point-to-point network so that wireless connections can be achieved with LANs between buildings in a campus-type environment or between two remote areas. Finally, they provide multi-floor transmission when placed on a ceiling, as the higher power output extends the range through typical flooring materials. Our antenna package includes several mounting options, such as fixed, wall-adjustable, and pole.

Part No.
 WT2-PA21



2.4GHz Grid Antenna 24dbi

Main Features

- Simple to install and aim
- Low mast and wind loading
- Surface-treated, corrosion resistant aluminium alloy grid reflector
- Vented, weatherproof feed housing
- Durable solid brass feed (not PCB)
- Good multi-path interference rejection
- Excellent front to back ratio
- Supplied with mounting hardware for attaching to mast or tower member
- Designed and manufactured in Australia
- 24-month warranty

Part No.
 WT2-GA24



2.4GHz Sector Antenna 21dbi

21dbi Sector Directional Antenna comprised of a professional quality "cell site" base station antenna and are designed primarily for carrier-class applications and service providers using the 2.4 GHz ISM band. The antennas are packaged with a directional orientation bracket that makes the main beam width and angle adjustable when an antenna is installed on the top of a mountain, radio tower or high-rise building. This feature offers maximum signal strength for both reception and transmission in the desired area. In addition, the directional characteristic allows the user to adjust the transmitting and receiving angle of their antenna and is designed specifically for outdoor building-to-building application with buildings of various height.

Part No.
 WT2-SA21

WIRELESS TRANSMISSION 5.8GHZ

2.4GHz Omni Directional Antenna 15dbi

15dbi omni-directional 2.4GHz antenna designed to radiate radio-frequency energy equally in all directions for widespread and all-point wireless deployment. This antenna is especially useful for optimizing coverage when you want to place your wireless access point or router out of plain view- in a wiring closet or above a ceiling pad.

Key Features

- Radiates radio-frequency energy equally in all directions for widespread and all-points wireless communications
- SWR 1.3:1 max, high performance antenna design
- Made with weatherproof and corrosion-resistant material
- Each package comes with a pole mounting kit for immediate outdoor installation
- Available in 9, 12, and 15 dBi gain

Part No.
 WT2-ODA15



5.8GHz Wireless Transmission Multi Access Point With N-Type Female Antenna Connector

This 5.8GHz long range outdoor wireless bridge and is an ideal outdoor wireless backhaul solution. It is protected by an IP68 certified die-cast all weather housing and lightning protector. It is designed for a wide variety of outdoor applications and can be deployed as point-to-point and point-to-multipoint solutions. The WT5-MAPNFC is an ideal backhaul solution due to its low cost, superior performance, range, ease of installation and management.

It offers two data rates, based on the IEEE 802.11a mode and the IEEE802.11a turbo mode. When the bridge operates under the IEEE 802.11a mode, it supports data rates from 6 Mbps to 54 Mbps. Under the IEEE802.11a turbo mode, it supports data rates from 12 Mbps to 108 Mbps. The frequency channel for the IEEE802.11a and the IEEE802.11a turbo are across from 5.15 to 5.85 GHz

Part No.
 WT5-MAPNFC



5.8GHz Grid Antenna 24dbi

Main Features

- Compact 5.8GHz grid antenna suitable for point-to-point operation
- Simple to install and aim
- Low mast and wind loading
- Single piece, surface-treated, corrosion resistant aluminium alloy grid reflector
- Stainless steel/aluminium mounting hardware
- Vented weatherproof feed housing with microporous membrane
- Durable solid brass feed
- Good multi-path interference rejection
- Designed and manufactured in Australia

Part No.

WT5-GA24



Outdoor Shielded CAT5 Antenna Cable 25m

- Low loss antenna cable
- Outdoor shielded CAT5
- 25m length

Part No.

WTCAT5-25



5.8GHz Omni Directional Antenna 12dbi

5.8GHz omni-directional antenna is designed to radiate radio-frequency energy equally in all directions for widespread and all-point wireless deployment. This antenna is especially useful for optimizing coverage when you want to place your wireless access point or router out of plain view- in a wiring closet or above a ceiling pad.

Part No.

WT5-ODA12



LMR400 N-Male to N-Male cable

Type N connector (male) to Type N connector (male)
1.0m in length

Part No.

CABLENM2NM

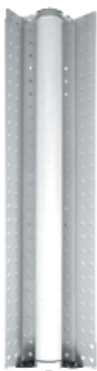


5.8GHz Panel Antenna 21dbi

21dbi 5.8GHz panel directional antennas can be used ideally for a point-to-point network so that wireless connections can be achieved with LANs between buildings in a campus-type environment or between two remote areas.

Part No.

WT5-PA21



5.8GHz Sector Antenna 21dbi

21dbi 5.8GHz Sector Directional Antenna comprised of a professional quality "cell site" base station antenna and are designed primarily for carrier-class applications and service providers using the 5.1 to 5.9 GHz ISM band. The antennas are packaged with a directional orientation bracket that makes the main beam width and angle adjustable when an antenna is installed on the top of a mountain, radio tower or high-rise building. This feature offers maximum signal strength for both reception and transmission in the desired area. In addition, the directional characteristic allows the user to adjust the transmitting and receiving angle of their antenna and is designed specifically for outdoor building-to-building application with buildings of various height.

Part No.

WT5-SA21



5.8GHz Wireless Transmitter and Receiver Set

This system is the ideal choice when multiple indoor wireless video/audio links are required for any commercial, industrial or consumer application. It features 7 user selectable channels, low profile design and simple plug and play set up. It is not susceptible to interference from 2.4GHz 802.11 b/g networks and data devices.

- Transmits real-time high resolution video and stereo audio signals for indoor applications
- 7 user selectable channels
- Stereo audio transmission capable
- Convenient front panel frequency selection, video gain adjustment, power indicator and switch
- Not susceptible to interference from 2.4GHz 802.11 b/g data devices
- Ideal solution for portable, temporary and covert surveillance or monitoring applications

Part No.

AVTXRX5.8

SOLAR POWERED WIRELESS TRANSMISSION



Totally Wireless Long Range Surveillance Cameras

This range of solar powered surveillance solutions has been developed due to the increasing demand for remote surveillance where cabling for both video and power is impossible or cost prohibitive. These systems provide a fully self-sufficient wireless surveillance solution, which can be customised to your individual requirements.

There are 4 versions available depending on your individual needs:

5.8m Galvanised Steel Pole With 120W Solar Panel, Battery and Compact Fluorescent Light.

Includes:

1 x 5.8m galvanised steel pole with in-built 120 watt solar panel, 150Ah deep cycle lead acid battery (charged by solar panel) and dual 15 watt compact fluorescent light.

Part No.

VSSOLARPOLE5.8M

Solar Pole with Wireless Access Point (802.11G)

Designed to integrate with an existing WLAN. Sends high quality real-time encrypted digitised video and audio using an outdoor WAP.

- Connect any type of IP device such as camera or network server
- Analogue video signal cameras can also be connected utilising a optional web server.

Includes:

1 x 2.4GHz outdoor weatherproof wireless access point (802.11G)
1 x Solar Pole (as above model - VSSOLARPOLE5.8M)

Part No.

VSSOLARPOLE5.8MW

Solar Pole with Wireless Next G Modem

Facilitates remote installation of IP based equipment. Suitable for IP cameras and network servers. Transmits over the Telstra Next G mobile network. Allows you to remotely access your equipment from virtually anywhere. Ideal for remote location, rapid deployment applications and event security.

- Connect any type of IP device such as camera or network server
- Analogue video signal cameras can also be connected utilising a optional web server.

Includes:

1 x Wireless Next G modem / router
1 x Solar Pole (as above model - VSSOLARPOLE5.8M)

-- Telstra Next G access plans available separately

Part No.

VSSOLARPOLE5.8MNG

Solar Pole For Point to Point Digital CCTV Transmission with Pan/Tilt/Zoom Control

Designed to send high quality real-time encrypted digitised video and audio up to 5km (LOS). Connect to composite video input on any DVR , supports RS485 and RS232 transmission (including PTZ) as well as alarm inputs and outputs

- Connect any analogue CCTV camera
- Can be used for bi-directional audio interface enabling support of gate access phones, public address systems etc.

Includes:

2 x Smart Sight 2.4GHz digitally encrypted wireless video transceivers with PTZ control,
1 x Solar Pole (as above model - VSSOLARPOLE5.8M)

Part No.

VSSOLARPOLE5.8MA



Alarms & Surveillance Products



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'RETAIL READY' PACKAGED SURVEILLANCE SYSTEMS



- **SHOPLIFTING**
- **EMPLOYEE THEFT**
- **VANDALISM**
- **CRIMINAL ACTIVITY**
- **HARRASSMENT**
- **INSURANCE FRAUD**
- **PROBLEMS AT HOME**
- **CUSTOMER DISPUTES**



Complete 4 Channel Digital Video Surveillance Kit with 4 x Colour Weatherproof Day/Night Cameras

This surveillance package is ideal for a home or small business wanting to set up a digital surveillance system with network and remote access. It features MPEG4 Video Compression Technology, Multiplex Operation allowing live display, record, playback and network operations simultaneously and Intelligent Video Motion Detection recording. It contains everything needed to set up the system with a 4 Channel Digital Video Recorder with 160GB hard drive, 4 Day/Night weatherproof cameras, power supplies and camera connection cables (2 x 10m, 1 x 20m and 1x 30m).



WATCH OVER INTERNET!

The system has been designed to allow quick and easy installation and comes with easy to follow operation manuals.

2 x DAY / NIGHT WEATHERPROOF COLOUR CAMERAS WITH INFRARED LED's with 15m RANGE

- High quality CCD image sensor (not inferior CMOS type) for superior picture quality
- IR LED's for viewing in total darkness up to 15m (B/W mode)
- 420 TVL resolution, 520 x 582 pixels
- Compact size ideal for indoor or outdoor use

2 x DAY / NIGHT WEATHERPROOF COLOUR CAMERAS WITH INFRARED LED's with 30m RANGE

- High quality CCD image sensor (not inferior CMOS type) for superior picture quality
- IR LED's for viewing in total darkness up to 30m (BandW mode)
- 420 TVL resolution, 520 x 582 pixels
- Ideal for outdoor surveillance with adjustable sun shield

4 x CAMERA CONNECTION CABLES

- Pre-terminated combined DC power and video (2 x 10m, 1 x 20m and 1 x 30m)

1 x POWER SPLIT CABLE

- Connects all 4 cameras to 1 power supply

1 x 4 CHANNEL MPEG4 STAND ALONE DIGITAL VIDEO RECORDER WITH NETWORK FUNCTIONALITY, REMOTE ACCESS and 160GB HARD DRIVE

- Advanced MPEG4 video compression technology
- Multiplex operation
- Long recording duration
- Intelligent video motion detection recording
- Remote network surveillance and backup functions
- Easy to operate like a VCR with buttons for play, record, FF, RW, pause, search, etc
- System auto recovery after power loss (blackout)
- Supports manual / timer / motion / alarm / remote recording functions
- Watermark function ensures authentication of the recorded images * Supports TCP/IP, PPPoE, DHCP and DDNS network connection



Part No.
DVR4ENTPACK2



2 Camera B/W Video Surveillance System with 5.5" Monitor and 2 Dummy Cameras

This surveillance system allows you to monitor your home or business with high quality black and white images and sound. The system includes a 5.5" B/W monitor, 2 B/W surveillance cameras and 2 dummy cameras. The built-in infrared LED's enable it to monitor at night time or in low light conditions. The auto-switch function automatically alternates between the two camera views with an adjustable timer.

- Easy installation
- Black and white cameras
- Infra-red LED's allow monitoring at night or low light condition
- Automatically switches view between cameras
- Built in microphone and speaker

Part No.
DIYCAM2B



Wireless Weatherproof Video Surveillance Camera with Portable 2.5" Colour LCD Monitor

This package provides ultimate flexibility, featuring a wireless weatherproof day / night video camera and a portable 2.5" colour LCD monitor, it allows you to monitor the camera from up to 100m with the added feature of monitor portability.

- Weatherproof 2.4GHz colour day / night camera with 8 x infrared LED's
- Built-in microphone for audio monitoring
- 2.5" colour LCD monitor with in-built receiver and speaker
- Long operation range up to 100m in open area
- Includes AC power adaptors for continuous operation
- Monitor can be optionally powered by 4 x AAA batteries for short term portable use (batteries not included)

Part No.
VSCCOIR



Wireless Solar Powered Surveillance Camera with Movement Sensor

This revolutionary wireless solar surveillance system provides unequalled ease of installation and use. The colour surveillance camera with audio microphone is powered by a battery that is charged automatically from the in-built solar panel. The camera can be mounted directly to your wall in a sunny position, with no cabling required at all. When body movement is detected by the in-built PIR sensor, the camera transmits the video and audio signals to the supplied AV receiver inside your home or business.

- Solar powered colour camera with motion alarm activation
- Receiver simply connects to an AV input on your TV / VCR
- Can be installed in full-sun or semi-shade position
- Audible buzzer alerts you when movement is detected
- Durable weatherproof design for outdoor use
- Tilt and swivel adjustment of PIR / camera
- Long distance operation range up to 100m (line of sight)

Part No.
VSWSC



Wireless Black and White Video Surveillance System

This package contains all you need to provide your home or business with affordable safety and protection. It contains 2 x black and white wireless surveillance cameras with audio and inbuilt infrared LED's for night vision, 1 x 5.5" black and white wireless monitor and 3 x low voltage power adapters. The Watchguard 2BWIR is easy to install utilising wireless technology, simply mount the cameras and monitor then plug in the power supplies and your surveillance system is ready to use.

- 5.5" black and white with inbuilt receiver and speakers
- Has an AV output for optional connection to your TV/VCR
- Can automatically switch view between both cameras
- 2 wireless black and white, with swivel mount bracket
- Infrared LED's for short range night vision

Part No.
2BWIR



Wireless Micro Camera Video Surveillance System

This package includes an easy to install micro size wireless colour camera with a pinhole lens and in-built audio microphone. It is ideal for hidden surveillance applications. The audio / video (AV) receiver simply connects to your TV / VCR to view and record the camera signal. The camera can be powered either by the included mains power adaptor or by a 9 Volt battery for short-term, completely wireless video transmission.

- Pinhole camera lens for hidden video surveillance
- Receiver simply connects to an AV input on your TV / VCR
- Inbuilt microphone for combined audio monitoring
- Includes AC power adaptor for continuous camera operation plus a 9 Volt battery for optional short-term completely wireless 'Place and View' camera transmission
- Long distance operation range up to 100m (line of sight)

Part No.
VSMCAM

REPLICA (DUMMY) SECURITY PRODUCTS



Professional Outdoor Replica CCTV Camera With Weatherproof Housing

This realistic looking replica CCTV camera acts as a deterrent to would be criminals. It has a weatherproof outdoor housing and the dummy camera has a red flashing LED. The kit comes with two high-visibility warning stickers, and includes all necessary hardware. No cables are required for operation, making installation very easy.

Part No.
VSCD420F



COMING SOON - JAN 2009 - Professional Indoor Replica CCTV Camera

- True professional appearance
- Stylish design
- Dummy camera with replica auto iris lens
- 2 x high visibility warning stickers
- Installation hardware included
- No wiring needed
- Camera includes flashing red LED (optional use. Requires 2 x AAA batteries)
- Wall mounting bracket with tilt / swivel adjustment

Part No.
VSCDFF



COMING SOON - JAN 2009 - Professional Indoor/Outdoor Replica Infrared CCTV Camera

- True professional appearance
- Stylish design
- Modelled on popular day/night weather proof cameras now commonly used in the CCTV industry
- Camera includes flashing red LED - (optional use. Requires 2 x AA batteries)
- 2 x high visibility warning stickers
- Installation hardware included
- No wiring needed
- Wall mounting bracket with tilt / swivel adjustment

*Packaging design similar to VSCDFF

Part No.
VSCD50F



COMING SOON - JAN 2009 - Professional Indoor Replica CCTV Dome Camera

- True professional appearance
- Dummy dome camera with lens
- 2 x high visibility warning stickers
- Installation hardware included
- No wiring needed
- Camera includes flashing red LED (optional use. Requires 2 x AA batteries)

*Packaging design similar to VSCDFF

Part No.
VSCDDF



Dummy Home Alarm Kit

- Imitation home alarm kit
- Realistic appearance outdoor siren / strobe
- Deters criminals
- Simple installation
- Supplied with UV-resistant warning labels and mounting hardware

Part No.
DUMMYHA

PROFESSIONAL BACK TO BASE MONITORED WIRELESS ALARM SYSTEMS FOR HOME OR OFFICE

The Watchguard™ Digital Series is a true revolution in monitored back to base alarm systems. Utilising a compact main control unit with inbuilt communication dialer and advanced wireless component technology means installation is very simple. The wireless design allows you to expand or relocate any of the systems at anytime. They are truly "plug & secure" systems, without any complicated programming or cabling. See below and overpage for full system features, operation and expansion details. Remote programming software download available.

MAIN FEATURES:

- Expandable up to 8 individual zones
- Easy to install & operate
- Around the clock 24hr protection
- Connects to existing phone line
- Automatically communicates with back to base monitoring centres

HOW THIS SYSTEM WORKS:



When smoke, intruder or help signal is detected, an alarm signal will send to the communication dialer



This is the "brain" of the system, when an alarm code is received from the Movement Sensor, Smoke Sensor or Panic Button, the communication dialer automatically connects to your monitoring centre via your phone line & transmits the detailed alarm activation data in (Contact ID Format). The in-built alarm siren will also sound, but can be disabled if used as a "Hold-up Button".



Alarm Monitoring Centre

The communication dialer connects to your monitoring centre and they will notify security, police, fire or medical services when an emergency arises. Please contact your preferred monitoring service provider to discuss their individual monitoring service plans, notification method and charges.



You will also receive notification of the alarm event: "Hello John. This is Sally from the monitoring centre. Your alarm system at 3 Main Street Springville has been activated at 11:14am by the smoke sensor in your master bedroom."



Professional Grade Back To Base Monitored Wireless Alarm System for Home or Office

The WGDIGITAL is a high-quality, anti-intruder professional grade monitored security system. Once installed simply use the remote control button to arm the system before you leave your premises. If movement is detected after the system has been armed, the communication dialer will transmit the detailed alarm activation data (Contact ID Format) via phone line to your monitoring centre for appropriate response action to be taken.



SYSTEM INCLUDES:

- 1 x MAIN CONTROL UNIT - COMMUNICATION DIALER
- 2 x WIRELESS MOVEMENT SENSORS
- Designed to detect the body movement of an intruder inside your premises.
- 2 x CODE HOPPING REMOTE CONTROLS
- Allow you to easily arm and disarm the system or activate the panic facility from virtually anywhere around your premises.
- 1 x POWER SUPPLY and 1 x PHONE CONNECTION LEAD

Part No.
WGDIGITAL



Professional Grade Back To Base Monitored Wireless Fire Detection System for Home or Office

The WGSMOKE is a high-quality, monitored wireless fire detection system which is quick and easy to install and operate. When smoke is detected not only will the smoke sensors in-built siren sound, but the alarm siren built into the main control unit will also sound in unison. The communication dialer will transmit the detailed alarm activation data (Contact ID Format) via phone line to your monitoring centre for appropriate response action to be taken.



SYSTEM INCLUDES:

- 1 x MAIN CONTROL UNIT - COMMUNICATION DIALER
- 2 x WIRELESS SMOKE SENSORS - AS/NZS 3786:1993
- Designed to detect the presence of smoke inside your premises using gas ionisation technology. In-built siren and low battery warning.
- 1 x POWER SUPPLY and 1 x PHONE CONNECTION LEAD

Part No.
WGSMOKE



Professional Grade Back To Base Monitored Wireless Emergency Duress System

The WGEDS is a system which in the case of emergency or duress is manually activated by pressing the wireless panic button to alert your monitoring centre. Once a button is pressed detailed alarm activation data in (Contact ID Format) is immediately sent via your phone line to your monitoring centre for appropriate response action to be taken. Up to 8 individual emergency buttons can be used with your Watchguard Emergency Duress System and each button can be individually identified by the monitoring centre (i.e. Grandma's button, Grandpa's button...etc).



Includes:

- 1 x MAIN CONTROL UNIT - COMMUNICATION DIALER
- 2 x WIRELESS EMERGENCY PANIC BUTTONS - Designed with the elderly or invalid person in mind. Large rubber button. Nylon lanyard included. Splashproof. Dipswitch coding. Operating range up to 100m (line of sight)
- 1 x POWER SUPPLY and 1 x PHONE CONNECTION LEAD

Part No.
WGEDS

WIRELESS ALARM SYSTEMS WITH 2-WAY COMMUNICATION VIA SMS MESSAGING



**Ideal for Home, Business,
Marine or Caravan!**



Watchguard SMS Alarm System

The Watchguard SMS is a true revolution in monitored home and mobile security systems. It has been designed specifically to provide simple installation and maximum protection at an affordable price. It can be used across a range of applications, including caravans, boats, building sites etc. or anywhere where a portable, self-monitored alarm is required. It is a sophisticated system, utilising the latest in GSM communication and wireless alarm technology. The Watchguard SMS communicates to your mobile via a GSM mobile phone network. A suitable SIM Card is required (not included). The SIM Card enables 2-way communication via SMS text messaging between you and your alarm.

How The System Works:

Plug and Play Setup: Security has never been so easy to install. After mounting the movement detectors in the zones to be monitored, simply plug the alarm module into the power pack (or connect 12VDC), turn the power key to on and you're ready to go!

Arm The Premises: Use your Remote Control to arm the Watchguard Wireless Alarm System to secure your premises. When body movement is detected in the premises, the sensors will send a message to the alarm module.

8 Zone Alarm Module with Built in GSM Modem: This is the brain of the system. When it receives the message from the Wireless Movement Sensors, it automatically sends your reported alarm to your designated mobile(s) as an SMS. The internal siren will also sound, helping repel the intruder.

Alarm Notification: The Watchguard SMS alarm module communicates to your mobile phone via GSM. When triggered, the module sends a detailed SMS of the reported alarm to your designated mobile(s). A voice message may also be sent to a landline telephone, where supported. Up to 5 people can be notified.

Package Includes:

- 1 x 8 Zone Alarm Controller Unit with built in quad band GSM modem
- 2 x Wireless PIR movement sensors
- 2 x 2 Button Code Hopping remote controls
- 1 x 12V DC Power Supply for the alarm controller unit

*Receive SMS Alerts
from your alarm!*



WIRELESS ALARM SYSTEMS



Watchguard Wireless Home or Office Alarm System

The Watchguard alarm is a complete stand-alone security system, which is ideal for the home or business owner wanting an affordable security system without a monitoring service. It is very reliable and extremely easy to install and operate. If the alarm is triggered, both the external and internal sirens will sound to repel intruders.

- Feature packed 8 zone security system (can be expanded using the range of Watchguard wireless accessories incl. reed switches and smoke sensors)
- Easy wireless installation
- 2 x quality wireless passive infrared detectors
- 2 x high security code hopping remote controls with lithium batteries
- Emergency panic function via remote control
- Backup battery and mains power adaptor
- Powerful external siren with flashing blue strobe
- Has the same appearance as security industry standard alarm systems
- High frequency internal siren to repel intruders

Part No.
WGUARD



Watchguard Fire and Theft - Complete Burglary and Fire Detection System for Your Home or Office

The Watchguard Fire and Theft is a complete burglary and fire detection system suitable for your home or office. When the system detects the body movement of an intruder, or senses smoke inside your building, the alarm will activate both the internal siren as well as the external siren with flashing blue strobe. The system is very easy to use and install.

- Latest supervised wireless detector and code hopping remote technology
- Feature packed security system with simple wireless installation
- AS3786 approved wireless gas ionisation smoke sensor
- Can be expanded using the range of Watchguard wireless accessories reed switches and smoke sensors
- High frequency internal siren to repel intruders
- Professional grade, high quality components
- Emergency panic function via remote
- Backup battery and mains power adaptor
- Powerful external siren with flashing blue strobe

Part No.
WGUARDFT



Entry Level Wireless Home Alarm System

This is an Entry Level Wireless Alarm System designed for residential use. The package includes:

- 2 x Remote controls to arm/disarm the alarm and panic function
- 1 x Wireless PIR sensor to detect movement up to 12m.
- 1 x Powerful outdoor siren and strobe to deter intruders

Additional remotes and sensors can be purchased and learned into the system

Part No.
WGLCA

WIRELESS ALARM ACCESSORIES



Wireless External Siren

- Wireless external siren with flashing blue strobe and backup battery
- 10m of cabling pre-terminated for 'plug and secure' installation
- Includes low voltage plugpack
- Sends tamper, low battery and supervision signals

Part No.
WSIREN



Wireless Solar Siren

- Wire-free operation
- No cable required
- In-built solar panel to charge internal battery
- 40 days of continuous operation without sunlight once charged
- Incorporates powerful 105dB/M siren and blue strobe light
- High capacity 6V 1.2 Ah sealed acid rechargeable battery
- Tough polycarbonate housing
- In-built tamper switch to activate siren in case of unauthorised removal
- Weatherproof for outdoor use

* Also available with interface transmitter for use with other alarm control panels (See WSSOL-WSUTX)

Part No.
WSSOL



Wireless Solar Siren and Interface Transmitter

This system allows the Watchguard™ WSSOL solar siren to be used with most brands of alarm panels. The solar siren simply mounts to any external wall and the interface transmitter is connected to the siren output on your control panel. When the siren output is activated your solar siren will sound in unison and when the panel's siren output stops the cancel signal is sent to the solar siren.

40 Days
continuous operation
without sunlight

- Compatible with most brands of alarm control panels
- 40 day continuous operation without sunlight once charged
- Powerful 105dB/M siren and blue strobe light
- Inbuilt solar panel to charge high capacity 6V 1.2Ah acid battery
- Tough polycarbonate weatherproof housing for outdoor use

Part No.
WSSOL-WSUTX



Wireless Supervised PIR Detector

- Dual Edge™ PIR Sensor Technology
- 12m detection range
- Compact and elegant design with swivel bracket for easy installation
- Intelligent power saving mode
- Up to 3 years life from 2 x CR2450 lithium batteries
- Selectable pulse count

Part No.
PIRW3



Wireless Supervised Reed Switch/Universal Transmitter

- Used on doors and windows
- Also has inbuilt terminals for use as universal transmitter
- Up to 5 years life from 2 x CR2450 lithium batteries

Part No.
WREEDI



Wireless Supervised Smoke Detector AS/NZS 3786:1993

- Gas Ionisation type
- Inbuilt piezo siren
- 9 volt alkaline battery
- Audible low battery warning

Part No.
SMODETW



Wireless Supervised PIR Detector (Outdoor)

- Fully sealed UV resistant housing for outdoor use
- 4 selectable coverage patterns (wide angle 10m, curtain 10m, long range 20m and vertical curtain 3m)
- 9 volt alkaline battery provides approx. 1 year life
- Communicates alarm, low battery and supervision signals
- Works with all of our Universal Receivers and Alarms
- High quality TAKEX sensor
- Made in Japan

Part No.
PIRWOD



Wireless Mini Numeric Keypad White

- Allows arm / disarm, home mode and panic functions
- Backlit rubber buttons
- Only 45 x 55 mm
- Code Hopping Technology
- Wall mount or portable
- Selectable 4 digit PIN number

Part No.
WKP



Large Wireless Numeric Keypad

- Large conventional size wall mountable keypad with flipdown front cover
- Allows arming and disarming of your system via PIN number
- 9 volt battery powered
- User programmable 4-digit PIN code
- Low battery indicator
- Back lit keys for night time illumination
- Weatherproof for indoor or outdoor use (under cover)
- For use on WGDIGITAL only

Part No.
WKPL



Personal Emergency/Panic Pendant

- Designed with the elderly or invalid person in mind
- Large easy push rubber button
- Nylon lanyard included allows it to be worn safely around the neck
- Splashproof design
- Dipswitch coding

Part No.
WPANIC



Wireless Emergency Duress "Mushroom" Button

- Large industrial grade switch
- Inbuilt fixed code transmitter
- LED indicators for activation and low battery
- Optional external power supply

Part No.
MBTX

UNIVERSAL TRANSMITTERS & RECEIVERS



2 Channel Transmitter / Receiver Set - 433.92 MHz

This product is designed to be simple and easy to use. It has simple wiring connections and can be used in a variety of applications. Primarily, this product can be used to remote control your car, garage door, home alarm system, or your electric gate. The number of items to which you can interface is almost endless. The unit is supplied with 2, dual button remote controls which have an operating range of approximately 100 metres (line of sight subject to environmental conditions). The remote controls for this unit operate using code hopping technology. This is otherwise known as anti code grabbing or anti scanning type. This leading-edge technology prevents unauthorised copying of your remote control. This technology sends a unique and different code each time any of the remote control buttons are pressed.

- 1 second (momentary) negative outputs for each channel
- Separate latched negative output for channel 1
- Flashing 12V LED output for channel 1, i.e.- flashes when the button is pressed, stops when it is pressed again
- Can store up to 15 remote controls in total
- Up to 100m radio frequency range (line of sight)

Suitable for use with:

Electric garages / gates

Vehicle central locking

Home security systems

To replace your old, large & low security remotes

Part No.
RCX



Universal Transmitter / Receiver Set for Alarm Control Panels - 433.92 MHz

This 8 Channel wireless narrow-band UHF 433.92MHz receiver / transmitter set will allow you to add remote on/off and panic functions to your alarm panel. It will also allow you to add up to 4 wireless sensors to your existing hardwired alarm panel. The unit is supplied with 2 x remote controls which have an operating range of approximately 100 metres (line of sight - subject to environmental conditions).

Suitable for use with
WIRELESS:

PIR Movement Detectors

Magnetic reed switches

Smoke sensors

Panic / duress buttons

- Code hopping remote control technology
- Remote functions include arm / disarm and panic
- Ability to quickly add or erase detectors from your system
- 4 wireless DETECTOR zones available
- Wireless detector supervision output
- Low battery warning output
- Detector tamper warning output
- Intelligent detector learning program to prevent accidental code duplication
- Memory recall function to identify individual detectors ending low battery or tamper codes
- Wireless detectors available include PIR's, reed switches, smoke sensors and panic buttons

Part No.
KISSRX



4 Channel Multi-Function Receiver / Transmitter Set - 433.92 MHz

The RXPROR4 is an advanced multi-purpose 4-channel narrow-band UHF receiver / transmitter set with fully programmable relay outputs (1 amp rating). It is supplied as standard with 2 x code hopping, 4 button remote controls with long life lithium batteries. It can be used to add Watchguard wireless alarm accessories to virtually any alarm panel or device.

- Up to 200m radio frequency range (line of sight)
- All outputs are individually programmable to suit almost any application (momentary, latched, timed or pulsed)
- Up to 5 high security code hopping remotes (anti-scan, anti-code grabbing) can be used
- Power supply requirement: 12VDC @ 500mA
- Compatible with Watchguard wireless alarm detectors
- Up to 4 wireless detectors can be used
- Supports detector low battery, supervision and tamper signal outputs
- Step by step programming via remote control and indication via feature and channel LED's

Suitable for use with:

Home security systems

Electric garages / gates

Add wireless alarm sensors to any device

Most devices that allow remote on / off operation

To replace your old, large & low security remotes

Part No.
RXPROR4

WIRELESS MINI ALARMS



Personal Alarm - 130dB loud siren

This personal alarm, also known as a personal attack or duress alarm, offers you basic protection and peace of mind. Our 130dB personal alarm is designed to draw attention to any crisis. The alarm is activated when the alarm pin is removed from the alarm body. The alarm is compact enough to fit in your pocket or handbag.

- Pull wrist cord to activate
- 130dB loud siren
- Light weight



Part No.
WGPA A



Standalone Wireless Motion Sensor Alarm

Standalone wireless motion sensor alarm, ideal for home, garage or caravan. Can be activated or deactivated by a radio remote control from up to 30m away. Sits on any surface, with no mounting required

- 130dB ultra-loud alarm
- PIR sensor detects motion up to 7m
- Can be mounted on walls or simply placed on any flat surface
- Includes swivel mounting bracket
- Radio remote control activates and deactivates the alarm at a range of up to 30m
- Battery operated via 2 x Alkaline AA batteries (not included)

Part No.
WGWMSA

Ideal for the elderly, as an emergency button or for general security.



Wireless Help/Panic Alarm With Automatic Phone Dialer

This Help/Panic alarm with telephone dialer and RF key fob allows you to record a 10 second help message and store 3 prefixed telephone numbers of your choice. When the button on the main unit or remote is pressed it will dial the 3 preset telephone numbers. When the receiver answers the phone they will hear the recorded message and can take appropriate action. In addition, they have the option to open a two-way hands free conversation between the caller and the receiver. You can have up to 3 remotes and each one can be used up to a distance of 50m from the main unit.

Features:

- Auto dialer, up to 3 programmable telephone numbers with a maximum of 16 digits each.
- Record a personal 10 second message
- Message playback
- Main unit is powered using the included AC adaptor. Input 110~240VAC, output regulated 6V DC
- Low battery indicator
- Detection Area: Max 50m long, LoS
- Easy to program
- Two-way hands free voice communication
- Use Radio 433.92MHz AM Super heterodyne receiver

Calls up to 3 people when the button on the remote control or main unit is pressed



Part No.
WGWHAD

HARDWIRED ALARM SYSTEM

Watchguard SMS8KITHW Complete Hardwired Alarm Kit with Telephone Dialer and SMS Messaging Function - Professional Grade

Provides personal security monitoring via your mobile phone using SMS messaging or optional high security 24 hour back-to-base monitoring. The SMS8 is a complete hardwired alarm system for your home or office including 3 high quality PIR movement sensors and 4 reed switches for your doors or windows. It is easy to program and can communicate alarm conditions with up to 2 people via their mobile phones. It is also possible to connect to a back-to-base monitoring service provider of your choice for a higher level of protection. Communication is sent using the industry standard Contact ID communication protocol.

Please note: a SIM card is NOT required - SMS messages are sent via your landline. The SMS messaging function can be disabled if desired so as to operate as a regular 'dialer' alarm control panel only. All programming is done via a simple menu driven system, with large easy to read characters on an LCD keypad. The keypad is backlit for easy viewing at night.

The panel has been specifically designed in Australia to meet the requirements of the average home or office, and to be easily installed by either a trade professional or electronics handyman.

Features:

- 8 hardwired zones
- Simple LCD menu driven programming
- One button 'Quick Arming, plus 'Home Arming' for arming only certain areas - ie. at night you can have the sensors in your living areas armed, but those in your bedrooms disarmed
- Panic, medical and fire emergency buttons
- Key-switch input
- On board modem with contact ID protocol for optional back-to-base monitoring
- Supports SMS text messaging of alarm information to two separate mobile phone numbers
- Telephone line fault monitoring
- Optional wireless receiver (Model No: SMS8RX) allows full remote control operation with a simple 2 wire serial interface connection, PLUS the use of up to 8 Watchguard wireless alarm detectors.

* Mobile Phone NOT Included

* Monitoring charges are NOT included in the price of this package

Also available with just panel & keypad, see below (Model no: SMS8) for details



System Includes:

1 x SMS8 Alarm Control Panel with LCD Keypad	1 x Outside Siren / Strobe	1 x Indoor "Top Hat" Piezo Siren	3 x High Quality PIR Sensors	4 x Surface Reed Switches for Doors or Windows	1 x Emergency Panic Button	1 x 7Ah Sealed Lead Acid Backup Battery 1 x 16VAC Power Supply 1 x 100m of 4 Core Alarm Cable

Part No.
SMS8KITHW



8 Zone Alarm Panel and LCD Keypad with Telephone Dialer and SMS Messaging Function - Professional

- 8 hardwired zones
- Simple LCD menu driven programming
- One button 'Quick Arming, plus 'Home Arming' for arming only certain areas
- Panic, medical and fire emergency buttons
- Key-switch input
- On board modem with contact ID protocol for optional back-to-base monitoring
- Supports SMS text messaging of alarm information to two separate mobile phone numbers
- Telephone line fault monitoring
- No SIM card required (uses STD Landline)

Part No.
SMS8

HARDWIRED ALARM ACCESSORIES



SMS8RX Wireless Receiver for SMS8 Alarm Panel

The SMS8RX is a state-of-the-art narrow band wireless receiver, designed to operate with the SMS8 control panel. It has been specifically designed to enable easy installation with a simple 2-wire interface connection and is supplied complete with 2 high security code hopping remote controls. Remote functions include arm, disarm, home mode and panic. It features intelligent wireless detector learning allowing you to quickly add or erase up to 8 detectors from your system including PIRs, reed switches, smoke sensors and panic buttons. Low battery and detector supervision are also on board.

- Code Hopping remote control technology
- Remote functions include arm/ disarm, home arm and panic
- Ability to quickly add or erase detectors from your system
- 8 wireless detector zones available
- Wireless detector supervision
- Low battery warning
- Detector tamper warning
- Intelligent detector learning program to prevent accidental code duplication
- Memory recall function to identify individual sending low battery or tamper codes
- Wireless detectors available included PIRs, internal or external
- Reed switches and smoke sensors
- Compatible with all Watchguard wireless accessories

With Easy Wire Serial Interface

Part No.
SMS8RX



GSM Backup Module For Intruder Alarm Systems

In case your landline is sabotaged or is out of service, this GSM back-up device enables your security system to communicate with your monitoring centre via the mobile phone network. It utilises a high quality GSM modem and is capable of sending (independently to your panel) its own periodic phone test, phone line failure or low battery message to 4 different receiver station phone numbers, via Contact ID protocol using the GSM network. Both pulse and DTMF dialing are supported and as the unit draws less than 100mA, it can be easily powered directly from your alarm panels 12VDC power supply.

- Backup phone line function: In case of the failure of your PSTN Line, the system simulates a virtual PSTN line over the GSM mobile network.
- Supplied with stand off mounts to allow easy installation inside standard alarm panel boxes.
- Default factory setting: If the connected PSTN landline is available, all calls will be made through the PSTN line. If the PSTN line ever fails, all calls will then be made via the GSM Network
- The unit is capable of sending (independently to your panel) its own periodic phone test, phone line failure or low battery message to 4 different receiver station phone numbers via contact ID protocol using the GSM network (Optional Use)
- Easy to comprehend LED status indicator for both GSM and PSTN landline
- GSM antenna supplied includes magnetic base for simple mounting to alarm control panel boxes
- 4 SMS controllable outputs allow additional functions such as remote arming, light control etc

Part No.
GSMBU-PRO

Want to Receive **DETAILED SMS** Alert Messages without having to pay for back to base monitoring?



Allows any panel with a Contact ID format dialer to send SMS messages

Contact ID to GSM SMS Message Text Converter

This is an add-on board that connects to your existing control panel, to convert Contact ID to SMS. It is designed for people who wish to have personal monitoring of their security control panels. This board simply connects onto the existing alarm panels communications port, the 12V supply output and onto the telephone line.

- Allows any panel with a Contact ID format dialer to send SMS messages
- Connects to standard telephone line
- Easy to install
- No SIM card required
- Maximum 16 alarm zones

Part No.
SMSIB



Universal Passive Infrared Movement Sensor

This advanced PIR body heat movement sensor is suitable for indoor use with any alarm control panel. It can detect movement up to 12m away at an angle of 110 degrees from the sensor. The detector features automatic temperature compensation to improve performance when the ambient heat level in a room changes. The adjustable pulse count function enables you to select either normal or reduced detection sensitivity levels for use in harsh environments.

- High quality dual element PIR sensor
- Micro processor controlled
- Auto temperature compensation
- Adjustable pulse count (sensitivity)
- Selectable N.O. or N.C. alarm outputs
- Selectable detection LED indicator ON / OFF
- N.C. case tamper switch

Part No.
PIRHW



Universal Movement Sensor With Triple Technology

This advanced indoor movement sensor can be used with any alarm control panel and incorporates 3 detection technologies designed to prevent false alarms. It is particularly suited for use in harsh environments where using a standard PIR may result in false alarms caused by rapid changes in heat, light levels or from other environmental factors. This triple technology detector requires both the PIR and microwave sensors to both simultaneously detect an intruder (using software signal analysis) before activating the alarm output. Detection range is approx. 12 metres.

- High quality quad element PIR sensor
- Adjustable microwave sensor with auto temperature compensation
- PIR look - down zone
- Selectable N.O. or N.C. alarm outputs
- 3 indicator LED's Green PIR, Yellow MWAVE, Red ALARM
- Selectable detection LED indicator ON / OFF
- N.C. Case tamper switch

Part No.
PIRHWT

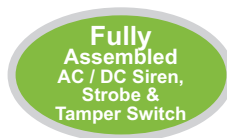


Complete Outdoor Siren - Full Assembled AC/DC Siren, Strobe and Tamper Switch

This product has been specifically designed to save alarm installers time and money. It combines a dual power AC/DC high powered siren, high visibility blue strobe light and tamper switch. It is housed in a moisture and UV resistant attractive industry standard external casing and all cabling is pre terminated.

- Suits all alarm control panels
- No assembly required, saves time and money on installation
- Highly durable, moisture and UV resistant external housing
- Pre-terminated wiring
- High visibility blue strobe
- High powered dual AC and DC Siren
- Tamper Switch
- Includes rear protective cover

Part No.
COS



Model No:
PIRLHLB

Large Mounting Bracket For PIR Detectors

Suitable for use with:
- PIRHW
- PIRHWT

Part No.
PIRLHLB
PIRLHSB



Model No:
PIRLHSB

Small Mounting Bracket For PIR Detectors

Suitable for use with:
- PIRHW
- PIRHWT

Cabin Piezo Siren - Black

Repel an intruder from the cabin of your vehicle by installing this high frequency, super loud siren under the dash.

- Connect to the Negative On Alarm output on your alarm system
- Dimensions: 85(W) x 89(D) x 41(H) mm

Part No.
DPS



Flush Mounted Internal Siren

- Emits a high frequency oscillating siren intolerable to the human ear
- Low profile design to mount flush with ceiling
- Repel intruders from your home

Part No.
DPSF



Photoelectric Hardwired Smoke Detector

- Sensor Type: Infrared Photoelectric Diode
- Dust and insect proof
- Detection Range 20m Sq
- 12V DC

Part No.
SMODET15P



Reflex Horn Speaker

- High powered
- For use with most alarm control panels
- Includes mounting base
- Alerts occupants and neighbours of intruders

Part No.
DRHS



Compact External Siren With Strobe

European style external siren with integral blue strobe light, piezo siren and tamper switch

Part No.
W24SIREN



Single Tone Siren

- 12V DC
- 115dB single tone siren
- Mainly used with control panels with no internal siren driver

Part No.
S42



Flashing Blue Strobe Light

- Low profile blue strobe light
- Designed for use with external sirens
- Continuous rated xenon tube

Part No.
DSBM



Concealed Reed Switch

- Perfect for mounting in the tops of doors or hidden areas
- Easy "push-in" installation
- Compact design
- Dimensions(mm): 32(L) x 11(Dia.)
- White

Part No.
DCRW



On/Off Key Switch

An On/Off keyswitch with 2 keys used for various applications.
2 positions, single pole, single throw changeover switch.

Part No.
2POS SPST



Roller Shutter Reed Switch

- Strong heavy duty cast housing
- Termination contacts via a stainless steel flexible conduit
- N/C contacts

Part No.
DRSR



Large Surface Mount Reed Switch

- Surface mounted reed switch
- Industry standard
- N/C contact with solder terminals
- Dimensions(mm) Reed: 90(W) x 13(H) x 12(D)
- Magnet: 90(W) x 13(H) x 12(D)
- White

Part No.
DSRHDW



Mini Surface Mount Reed Switch

- Compact design surface mount
- Industry standard
- N/C contacts
- Dimensions (mm): Reed - 63(W) x 12(H) x 20(D)
- Magnet - 63(W) x 12(H) x 11(D)
- White

Part No.
DSRLW



Emergency Button Switch

- When pressed will instantly trigger the alarm
- N/C and N/O contacts
- Slimline design
- Dimensions(mm): 23(W) x 76(H) x 15(D)

Part No.
DEBS



12V 15A Universal Switching Relay

This is a 12V 15A Contact Rated Universal Switching Relay. The relay is contact closed when power is applied.

Part No.
REL01LOOM

FIRE SAFETY PRODUCTS



Vinyl Pouch Fire Blanket

- Approved to Australian Standard AS3504 and Standards Mark
- Ideal for use on cooking oil and stove top fires
- A compact and easy to use household fire blanket
- Essential for kitchens, where 2 out of 3 home fires start
- Manufactured from 100% Woven Glass Fibre
- Handy Vinyl Pouch allows wall hanging
- Release tapes act as handles when blanket is unfolded
- 1.8m blanket is large enough to use on human body to extinguish fires

Available in
- 1.8m x 1.8m
- 1.0m x 1.0m



Part No.
WGFB1.8VP
WGFB1.0VP



Photoelectric Smoke Alarm

Photoelectric Smoke Alarms consist of a light emitting diode and a light sensitive sensor. The presence of suspended smoke particles in the chamber scatters the light, which is detected, setting off the alarm. Photoelectric technology is superior to ionisation technology in detecting the visible smoke produced by smouldering fires, which most commonly occur in homes.



- Latest Photoelectric Technology
- Built-in test button
- Battery missing indicator
- Non-radioactive technology
- Extra loud alarm (sound over 85dB)
- Easy installation (wall mount, bracket and screws included)
- Low battery warning
- 9V battery included



Part No.
WG1SMKP



Ionisation Smoke Alarm Twin Pack

Ionisation alarms detect the presence of large quantities of very small particles entering the ionisation chamber, when in sufficient quantity will cause an alarm to sound. Sufficient quantities of particles are generally only produced by flaming fires or from very hot surfaces. Ionisation alarms are more responsive to fires that start as, or quickly escalate into a flaming stage.



- Ionisation Sensor - sense visible or invisible particles of smoke at the earliest stage
- Easy installation (wall mount bracket and screws included)
- Extra loud alarm (sound over 85dB)
- Built-in test button (functional testing)
- Low battery warning
- 9V batteries included



Part No.
WG2SMKI

ELECTRONIC ARTICLE SURVEILLANCE (EAS)

EAS labels & tags are used as anti-theft devices. The tag or label is used with a doorway reader to detect if an item is being removed without authorisation. EAS systems are used mainly in retail stores, data centres, and libraries. When applied to items, the EAS tag / label is capable of activating an audible alarm as it passes through the doorway detector. Because of the anti-theft protection they provide, EAS systems allow more freedom for retail stores to display items that would usually be locked in display cases. This allows the consumer to examine the product more closely before purchasing.



Doorway Readers

Locate the doorway reader at the front entrance of the shop or the cashiers in supermarket. Any product that has an EAS tag attached, must be presented to the cashier to deactivate the code; if the EAS tag hasn't been deactivated, when passing through the doorway reader, the alarm will sound, in order to notify staff members.

- 1.2m operational width
- Multiple units can be connected to cover wider entry / exit points
- High sensitivity, low false alarm rate
- Anti disturbance from metal trolleys and touch
- Uses advanced DSP microchip data processing, to speed up scanning of EAS tags
- Two alarm tones -- quick and slow
- Three alarm volumes -- high, medium and low

Bandwidth	7.7-8.7MHz
Scan Frequency	162, 171, 180, 189Hz (also available in 8.2MHz, 10.5MHz)
Signal sampling rate	21.8us
Operating Range	Soft label 1.2m / Hard tag 1.5m
Alarm Volume	High, Medium, Low
Alarm tone	Quick, Slow
Dimensions	1650 x 340 x 85 mm

Part No.

RFTMAIN1R
RFTMAIN2R



8MHz RF Hard Tag

The RFT hard tag with chrome pin is commonly used in fashion retail shops. The pin is designed to allow the tag to be pinned onto the clothing without damage. To remove, simply place the tag on top of the magnetic detacher, and the pin will release.

- Frequency: 8.2MHz
- Detection range: 1.30m-1.40m

Part No.

RFTHARDTAG



RF Ink Tag

The ink tag provides double the security for your products. It contains a small amount of highly visible ink, if anyone tries to force the tag off, the ink will spill out. Best suited for use in the clothing industry.

- Frequency: 8.2MHz
- Detection range: 1.30m-1.40m

Part No.

RFTINKTAG

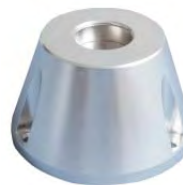


8MHz Adhesive RF Labels

These discrete disposable labels are designed to be placed directly on product packaging. Commonly used on books, electronics and cosmetic products.

Part No.

RFTLABEL

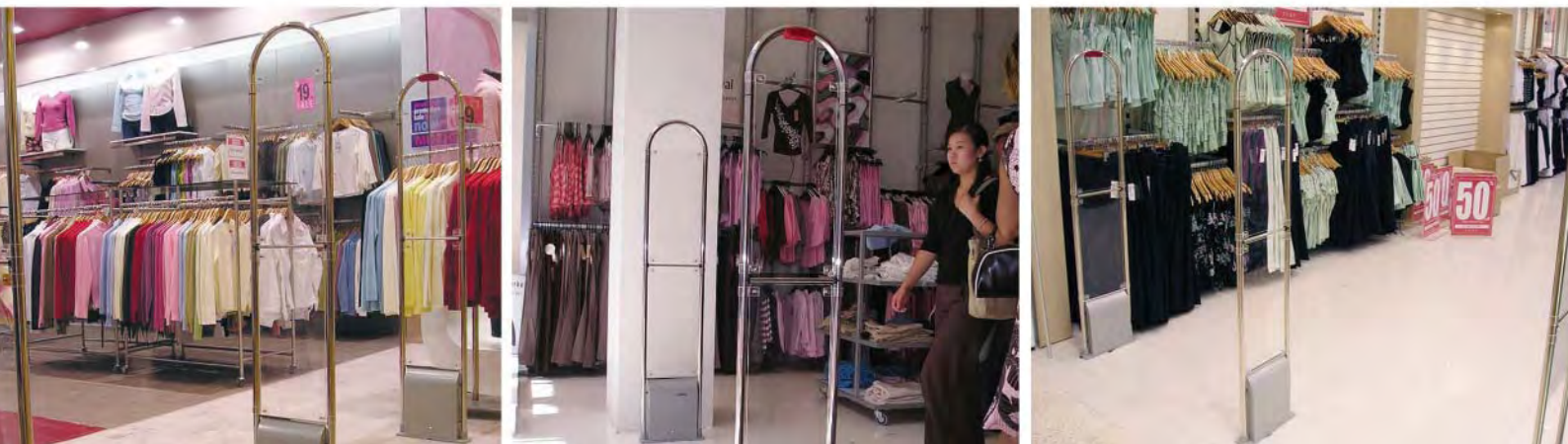


Magnetic Detacher

This magnetic detacher, simply mounts to the retail counter-top. The tags are placed on top of the detacher to safely release them.

Part No.

RFTDETACHER



ENERGY SAVING DEVICES (ENSA)

ENSA™ Energy Saving Devices



Makes your alarm sensors 'Dual Purpose' by turning on appliances & lights automatically as well as activating your alarm!

Home Automation / Remote Lighting



This unique product simply replaces the standard light switch in a room. The lights can then automatically be turned on when installed along with a compatible wireless detector, remote control or by an existing alarm sensor that is easily retrofitted with a miniature transmitter. When used in auto mode, if the wireless detector senses movement, a door opening, or perhaps even smoke, the ENSA can automatically turn the lights on for a pre-determined period. By not turning on a room light unless there is activity in the room, and there is insufficient natural lighting this product saves energy. There is also a manual mode of operation, where you can turn the lights permanently on or off as per a normal light switch.

- Low cost solution to the home automation and energy saving control of lighting and other devices (i.e. fans), without the need to install any cable or expensive control boxes.
- Can be used in virtually any home or business for convenience, added security, power bill reduction and of course environmental benefits
- Can be installed in minutes by a licensed electrician without requiring any electrical cabling
- Gives a unique opportunity for the security industry to enhance the function of their alarm systems by making their detectors dual purpose.



Energy Saving Automated Wireless Power Point



This unique product simply plugs into your existing power point and allows you to control any mains powered device up to 10A (amps) via a wireless sensing device or remote control. Common applications include connecting a lamp, fan, or air-conditioner and using a radio remote control to be able to turn your appliance on/off from virtually anywhere in your home. Alternatively, you can use a wireless detector to save energy by not turning on connected devices unless there is actually human presence detected or insufficient natural lighting. You can also retro-fit our tiny transmitter to existing alarm detectors making them dual purpose.

- Connect any mains powered device up to 10amps.
- Compatible with all Watchguard wireless sensors
- Easy DIY Installation
- Inbuilt adjustable daylight sensor to allow setting of light level for activation.
- Adjustable timer to allow device to turn off automatically after a set period.
- Can be used with our radio remote controls for simple on/off operation.



Part No.
ENSA

Part No.
ENSAPOWERPOINT



Vehicle Security Products



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CAR ALARMS & ENGINE IMMOBILISERS



Remote Controlled Car Alarm With Engine Immobiliser

The Rhino GA is a compact All-In-One design car alarm with doors, boot and bonnet protection and a single engine immobilisation circuit. It also features central locking outputs for remote keyless entry connection and visual arm / disarm confirmation via your indicators.

- 2 x compact size remote controls
- Engine immobiliser via external relay (included)
- Can protect doors, boot and bonnet
- 2 stage (Pre Warning) car body impact sensor
- Alarm trigger memory
- Can connect to central locking for remote keyless entry

Part No.

GA



Backup Battery Car Alarm and Immobiliser

The Rhino GTR is a well featured mid-level car alarm and engine immobiliser. It is a popular choice for budget minded owners looking for most standard alarm features plus connection to their existing central locking and electric boot for keyless entry. The compact size siren is easy to install in cramped engine bays.

- 2 x Compact size remote controls
- 1 point engine immobilisation (onboard)
- Can protect doors, boot and bonnet
- Car body impact sensor
- Central locking relay outputs for keyless entry
- Current (voltage drop) sensing

Part No.

GTR



GTS 12 Volt Backup Battery Car Alarm With 2 Point Immobiliser

The Rhino GTS is a highly featured mid-level car alarm and engine immobiliser. It features code hopping remote technology, a full size backup battery siren and numerous programmable features. The two onboard engine immobilisation relays can be used to cut both your starter motor and fuel pump.

- Backup battery siren
- 2 x Code Hopping remote controls
- 2 stage car body impact sensor
- 2 point engine immobilisation (on board relays)
- Protects doors, boot and bonnet
- Central locking relay outputs for keyless entry

24 Volt Version (Model: GTS24V) - Note: GTS24V siren is non battery backup

Part No.

GTS



Australian Standards Approved Car Alarm and 3 Point Engine Immobiliser

The Rhino RAV2 is our premier Australian Standards Approved model and features a number of unique security and convenience functions found no where else. It is recommended for all high theft-risk vehicles.

- Australian standards approved (AS3749.1:2003 Class A)
- Three point engine immobilisation (onboard relays)
- Code Hopping remote technology
- Auto immobilise (passive arming)
- All points of entry alarm protection (doors, boot, bonnet)
- Audio discriminating glass break sensor
- Personal panic button via remote control
- 2 stage pre-warning car body impact sensor with ETS

Part No.

RAV2



Australian Standards Approved Upgrade Car Alarm and Immobiliser With Wireless Keypad

Unfortunately, large numbers of high-risk vehicles are now being stolen by thieves gaining access to the owner's car keys. With the RAKP, even if your car keys are stolen (including possibly your factory remote control) the RAKP can not be disarmed without entering your chosen PIN number. The Rhino RAKP is a variant of the RA Model and is designed primarily for use in modern high theft-risk vehicles with factory remote controls. The inclusion of our special wireless keypad prevents anyone from being able to disarm the alarm and start the vehicle unless they enter the chosen 4 digit PIN number within 20 seconds of opening one of the car doors.

- Auto-Immobiliser: The 3 onboard immobilisation circuits automatically activate 38 seconds after turning the ignition off.
- Auto Arming Alarm (Programmable): If the car ignition is switched off and a door is opened and closed, the alarm can be set to arm automatically.
- Manual Arming: You can also turn the alarm function on manually via your PIN number if you don't want to use the automatic function all the time.
- The wireless keypad uses long-life lithium batteries and has backlit keys for night time illumination.

Part No.

RAKP

THE REVOLUTION IN CAR SECURITY RECEIVE SMS ALERT MESSAGES FROM YOUR CAR!



Car Alarm and Immobiliser With 2-Way GSM Mobile Communication via SMS Text Messaging

The Rhino Model RAM is arguably the world's most advanced car alarm system. This system enables 2-way communication between you and your vehicle via a GSM mobile phone. The RAM is a high specification, all-in-one car alarm and immobiliser, with GSM mobile phone communication via SMS Text Messaging (SIM card required).

- 2/3 Point engine immobilisation (2 Onboard Relays and Output)
- Battery backup siren
- Code Hopping remote technology
- All points of entry protection (Doors, Boot, Bonnet)
- Dedicated onboard audio discriminating glass break sensor
- 2 stage shock (impact) sensor with auto adjust
- All black wiring harness
- Negative pulse central locking outputs
- GSM low coverage warning
- 3 SMS controllable negative outputs

The RAM Can Send SMS Messages To Up To 5 Mobiles Advising:

- Alarm activation and cause
- If no response, your RAM will dial specifically programmed number(s)
- Panic / duress activation
- Car low battery warning

By Sending An SMS Message To Your Vehicle You Can:

- Acknowledge receipt of an alarm message
- Remote immobilise the engine
- Remote arm and disarm the system
- Remote unlock the doors

Part No.

RAMV2

UPGRADE CAR ALARM SYSTEMS

'Transformer' Upgrade Alarm System For Vehicles With Factory Keyless Entry



If your vehicle is fitted with a factory remote keyless entry system, and you would prefer not to have a second remote control on your keyring (because your ignition key is part of the factory remote control), then the Rhino Transformer is your system of choice. Whenever you lock and unlock your vehicle with the factory remote, your Transformer alarm will arm/disarm in turn. The Transformer is simply a variant of the RA system with identical features - except there is no need for remotes. The connection of engine immobilisation circuits (up to 3) in addition to the factory immobiliser is optional, but at least 2 must be connected to meet Australian Standards requirements.

- Australian standards approved AS/NZ 3749.1 2003
- Three point engine immobilisation (onboard relays)
- All points of entry protection (doors, boot, bonnet)
- 2 stage pre-alert car body impact sensor with ETS
- Alarm memory (allows recall of the 10 most recent alarm activations in order)
- Visual arming and disarming via indicators (optional)
- Audio discriminating glass break sensor
- Backup battery siren
- All black wiring harness

Part No.
TRANS

ENGINE IMMOBILISERS

Remote Keyless Entry and Basic Immobiliser System



This product can be used to remote control your existing car central locking and electronic boot release. It has indicator flash outputs and includes a single engine immobilisation circuit. The RCXI can also be used for remote controlling your garage door, home alarm system, or your electric gate.

- Adds remote controlled functionality to existing key operated central locking
- Remote Code Hopping technology
- Operating range of approximately 80 metres
- 1 second (momentary) negative central locking outputs for each channel
- Electric boot release output
- Optional connection to flashing LED, engine immobilisation relay and indicators
- Ultra compact module; Dimensions(mm): 60(W) x 30(D) x 13(H)

Part No.
RCXI

Australian Standards Approved Remote Control 2 Point Engine Immobiliser



The Rhino RES Engine Immobiliser is an Australian Standards Approved System and features passive arming, all black wiring and 2 engine immobilisation circuits. It also has a negative on alarm output on door and ignition activation to allow an optional siren to be connected for basic alarm function.

- Australian standards approved: AS/ NZS 4601:1999
- 2 point engine immobilisation (onboard relays)
- Code Hopping remote technology (anti-scanning, anti-code grabbing)
- Auto immobilisation (passive arming)
- Visual arming and disarming confirmation via blinkers
- Negative pulse central locking outputs
- All black wiring harness
- Insurance approved

Part No.
RES4601V2

JAG 12 Volt Australian Standards Approved Remote Control 3 Point Engine Immobiliser



The Rhino JAG is our top-of-the-range Engine Immobiliser and it's recommended for all high theft-risk vehicles. It is approved to the latest Australian Standard and features 3 onboard engine immobilisation relays plus all black wiring. The additional option of utilising the Rhino wireless keypad means maximum protection for your vehicle.

- Australian standards approved: AS / NZS 4601:1999 / amd 1:2003
- Insurance approved including specialist insurers
- Three point engine immobilisation (onboard relays)
- Code Hopping remote technology (anti-scanning, anti-code grabbing)
- Auto immobilisation (passive arming)
- Onboard central locking relay outputs
- Optional wireless keypad compatible
- Numerous programmable features plus upgradeable to full alarm system

Part No.
JAG

'Transformer SMS' Add-On SMS Paging System For Vehicles With An Existing Alarm

The 'Transformer SMS' adds state-of-the-art 2 way GSM mobile phone communication to your existing factory or after-market car alarm system. If you intend to rely on the existing alarm system fitted in your vehicle, this product enables you to be notified on your mobile phone if the alarm is activated. You can also connect to your existing central locking to allow you to unlock your car from your mobile in case you ever lock your keys in your car!

- Notification of factory alarm activation via SMS text message
- Receive SMS alerts when your car battery is low
- Up to 5 people can be notified upon alarm activation
- Failure to respond to an SMS alert causes the system to ring the primary user to gain maximum attention
- 3 independent negative outputs can be controlled via SMS message these may be used for remote arming or other functions such as opening electric gates, remote immobilisation, etc.
- SMS controlled central locking outputs
- GSM sim card required

Part No.
TSMS



* Mobile phone not included

SIRENS



Cabin Piezo Siren - Black

Repel an intruder from the cabin of your vehicle by installing this high frequency, super loud siren under the dash.

- Connect to the Negative On Alarm output on your alarm system
- Dimensions: 85(W) x 89(D) x 41(H) mm

Part No.

DPS



Coded Backup Battery Siren - Suits RA, JAG Only

For use with Rhino RA and JAG only as these systems utilise a special data code signal to switch the siren on and off.

- Power: 12VDC
- All black wiring
- Australian standards Approved
- Dimensions: 105(W) x 110(D) x 80(H) mm

Part No.

BBSC



Mini Coded Backup Battery Siren - Suits RA and JAG Only

For use with Rhino RA and JAG only as these systems utilise a special data code signal to switch the siren on and off.

- Power: 12VDC
- All black wiring
- Australian standards approved
- Dimensions: 55(W) x 65(D) x 72(H) mm

Part No.

MINIBBSC



Universal Siren Battery Backup - Suits GTS

Universal replacement siren for most brands of car alarm. Used in Rhino GTS Car Alarm.

- Colour wiring harness
- Negative and positive trigger inputs
- Override keyswitch
- Dimensions: 105(W) x 11(D) x 80(H) mm

Part No.

SBB



Universal Mini Backup Battery Siren - Suits GTR and RSA

Universal replacement siren for most brands of car alarm. Used in Rhino GTR and RSA Car Alarms.

- Power: 12VDC
- Used in Rhino GTR and RSA car alarm
- Negative and positive trigger inputs
- Override keyswitch
- Dimensions: 55(W) x 65(D) x 72(H) mm

Part No.

MINISBB

VEHICLE ALARM ACCESSORIES



Ultrasonic Sensors For Detecting Body Movement Inside A Hardtop Vehicle

For detecting body movement inside the cabin of a hardtop vehicle. Easy to connect to most alarms via negative output trigger wire.



- Ultra compact sensors
- Frequency: 40 kHz crystal locked
- Adjustable sensitivity
- 12V DC

Part No.

UD6



Microwave Detector For Detecting Body Movement In A Soft-Top / Convertible Vehicle

For detecting body movement inside the cabin of a soft-top / convertible vehicle. Can be hidden behind non-metallic surfaces.

- Compact design
- Dual colour test LED
- Negative trigger output wire
- Adjustable sensitivity
- Dimensions: 83(W) x 80(D) x 20(H) mm

Part No.

UD5



Ultra Bright Flush-Mount 5.0mm 12V DC Flashing LED Light

Ultra bright flush-mount red flashing LED light for 'alarm armed' indication.

- 12V DC
- Diameter : 5 mm

Part No.

FL5



Digital Tilt Sensor With 3 Dimensional XYZ Axis Movement Sensing Technology

Designed to help protect your wheels / detect tow away. This device detects if your car is tilted by more than a couple of degrees. Unlike mercury switches, it does not matter if your car is parked on a slope. The sensor saves in memory the angle position of your car when your alarm is armed and monitors for any changes.

- 3 dimensional movement sensing technologies (XYZ Axis)
- Digital signal processing (DSP)
- Microprocessor to instantly and continually analyse all pitch changes
- Dimensions: 40(W) x 47(D) x 10(H) mm

Part No.

TILTSENSE2



Automatic Electric Window Lifter

Automatically closes 2 power windows when your alarm is armed (2 units required for a 4 door vehicle)

- Dimensions: 70(W) x 115(D) x 27(H) mm

Part No.

GLU400



Dual Zone Microwave Detector

Can be used to give a warning to anyone coming too close to your vehicle and to trigger the alarm if there is movement inside the cabin. Can be hidden behind non-metallic surfaces.

- Compatible with most alarms
- Tri-colour test LED
- Negative trigger output wires
- Detects perimeter approach and internal movement
- Dimensions: 83(W) x 80(D) x 20(H) mm

Part No.
MDDZ



Electric Boot Release Motor

Add convenience to your car that is not fitted with an electric (push button) type boot / hatch release.

- Compact design
- Solenoid dimensions: 70(W) x 115(D) x 27(H) mm

Part No.
DL105



Right Angle Pinswitch

Used to detect the opening of a vehicle bonnet, boot or doors.

- Cut to adjust
- Dimensions: 45(W) x 60(L) mm

Part No.
PIN410



Standard Pinswitch

Used to detect the opening of a vehicle bonnet, boot or doors.

- Cut to adjust
- Dimensions: 35(W) x 53(L) mm

Part No.
PIN409



Metal Pin Switch

Used to detect the opening of a vehicle bonnet, boot or doors.

- Adjust via screw thread
- Dimensions: 5(W) x 65(L) mm

Part No.
PINSW



Van Sliding Door Switch

For use when installing central locking on vehicles with sliding doors such as passenger and commercial vans.

- Female switch dimensions: 82(W) x 34(D) x 15(H) mm
- Male switch dimensions: 70(W) x 26(D) x 52(H) mm

Part No.
VANSW



40 Amp 5 Pin Changeover Relay

Commonly used for adding engine immobilisation circuits and connecting electric boot release motors to your system. Also used for central locking interfacing when vehicle does not have regular negative pulse inputs and your alarm / immobiliser also does not already have onboard central locking relays.

Part No.
40ARELAY

CENTRAL LOCKING KITS

Heavy Duty Central Locking Kits



Add security and convenience to your car that is not already fitted with central locking. Can be key operated or connected to any car alarm or immobiliser with central locking outputs for remote keyless entry. This high quality door central locking kit is ideal for use in both modern and older vehicles which require high torque motors for activating stiff door locking mechanisms.



- Kit Includes:
- 1 x control module with negative lock / unlock pulse inputs
 - 2 x 5 wire master actuator / door lock motors
 - 2 x 2 wire slave actuator / door lock motors
 - Full wiring harness and motor mounting hardware

- * Kit Available in:
- 4 Door Locking Kit (Model No: CLKHD)
 - 2 Door Locking Kit (Model No: CLKHD2D)
 - 24Volt Version (Model No: CLKHD24V)

Part No.
CLKHD
CLKHD2D
CLKHD24V



Central Locking Kit - Cable Lock Adapter

Use this adapter kit for vehicles fitted with cable type lock actuators.

Part No.
CLKHDCABLE



'WHERE ARE THEY NOW?' VEHICLE & PERSONAL TRACKING SYSTEM

- >> Easy to Use & Install
- >> Uses Google Maps!
- >> Track Online "LIVE" or "View History"



These devices are designed to automatically transmit GPS coordinates to your Windows PC. When used with the included Rhino Tracks™ software, you can view the location of your vehicle using online mapping services such as Google Map*

VEHICLE & PERSONAL TRACKING SYSTEMS



GPS Vehicle Tracker

- GPS position tracking function via GPRS enabled SIM card (Not Included)
- Locate and track your vehicle 24hrs
- In-car monitoring function - via mobile phone
- Geofence park function - Know if your vehicle has been moved
- Send commands via mobile phone
- Report vehicle position to your PC at variable time intervals from 5sec to 5hrs
- External antenna for GPS and GSM reception
- Microphone port for included external microphone
- Monitor the sound/conversation

Part No.
RHINOTRACKS-VTD



GPS Vehicle Tracker With 2 Way Communication and Remote Control

- GPS position tracking function via GPRS enabled SIM card (Not Included)
- Locate and track your vehicle 24hrs
- Bi-direction phone conversation function
- In-car monitoring function - via mobile phone
- Geofence park function - know if your vehicle has been moved
- SOS emergency help call function - summon help to your exact location
- Send commands via mobile phone
- Report vehicle position to your PC at variable time intervals from 5sec to 5hrs

Part No.
RHINOTRACKS-VTA



Portable GPS Personal and Vehicle Tracker

- GPS position tracking function via GPRS enabled SIM card (Not Included)
- Pocket-sized for portable personal and vehicle tracking
- Locate and track an individual or vehicle 24hrs
- Bi-Direction phone conversation function
- Built-in speaker, microphone and removable re-chargeable battery
- Audio monitoring function - via mobile phone
- Geofence security function
- SOS emergency help call function - summon help to your exact location
- Built-in omni-direction GPS and GSM antenna
- Send commands via mobile phone
- Report position to your PC at variable time intervals from 5sec to 5hrs

Part No.
RHINOTRACKS-PT

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MOBILE DIGITAL VIDEO RECORDERS

Record Up To 4 Channels Plus Both The Vehicle Speed & Location

* Information below is based on MDVR-GPS model with GPS tracking included

Mobile DVR with GPS Tracking

This 'Black Box' Digital Video Recorder for vehicles is ideal for monitoring driver behaviour, proving deliveries have been made or providing evidence in case of an accident. You can connect up to 4 cameras if required ie. front view, rear view, driver view, passenger / cargo view. The in-built GPS receiver overlays recorded footage with the GPS location, speed, date, time and direction of travel. Optional sensor connections include brake on/off, indicators on/off, door open, reverse gear selected plus multiple alarm sensor inputs. Recorded footage is stored on a removable hard drive and can also be backed up via a USB connection.

- High quality images, long recording time and easy event searching
- Automatic digital recording when vehicle's ignition is on
- 25 FPS Global Record Rate
- 2.5inch hard disk (up to 160GB)
- MPEG4 and JPEG codec support
- Brake, reverse, right turn, door open sensors

* Hard Drive Not Included



* Tracking using optional GPRS module, see below for details

Part No.

MDVR
MDVR-GPS



MDVR-GPS Shock-resistant Security Housing

- 8 Internal Rubber Shocks
- Lockable Flip-down Doors
- Rear Exhaust Fan

Part No.

MDVR-GPS-HOUSING



MDVR-GPS External Signal Box

Provides system information on the MDVR-GPS, including power, record, alarm and GPS fix status. An emergency panic switch is also provided. Useful when the MDVR-GPS unit has been installed out of reach from users.

Part No.

MDVR-GPS-SIGBOX



MDVR-GPS Wireless LAN Server

Allows streaming of camera footage over a wireless ethernet network. Unit contains RCA video and audio connections as well as dual wireless antennas.

Part No.

MDVR-GPS-WLAN



MDVR-GPS LAN Server

Allows streaming of camera footage over an ethernet network. Unit contains RCA video and audio connections as well as a RJ45 socket.

Part No.

MDVR-GPS-LAN



MDVR-GPS 2.5" Hard Drive Tray

Spare hard drive tray for MDVR-GPS.

Part No.

MDVR-GPS-HDDTRAY



MDVR-GPS USB Hard Drive Dock

USB Hard Drive Dock for MDVR-GPS. Allows users to directly connect their hard drive(s) to a computer for playback and archiving.

Part No.

MDVR-GPS-USBDOCK

VEHICLE REVERSING KITS

'WATCH OUT'
FOR UNSEEN OBSTACLES!
HELP SEE WHAT'S BEHIND
YOU IN YOUR BLIND
SPOTS WHEN REVERSING



Rearview Mirror with 4.3" TFT-LCD Inbuilt Monitor and Number Plate Camera Kit

This kit contains all you need to enable safe reversing with confidence, virtually eliminating blind spots. The Monitor/Mirror simply fastens over your vehicles existing rear view mirror and the camera is mounted above your Number plate. When reverse gear is selected, a colour video image is instantly displayed on the in-built 4.3" TFT LCD screen.

- Video display turns on automatically while reversing
- Inbuilt 4.3" colour TFT-LCD screen
- Monitor resolution: 480x 234 pixels
- Anti-glare blue glass mirror
- Secondary video input available
- Power: 12VDC (10W maximum power consumption)

- Camera:
- 8 x infrared LED's offer enhanced night time operation
 - Easily mounts above your number plate
 - 110Deg. horizontal viewing angle
 - Power 12VDC 200mA

Part No.
VSDS-RVM4.3



Wireless Vehicle Reversing Kit With 2.5 Inch Colour LCD Monitor and Number Plate Camera

- Wireless transmission from camera to monitor allows easy installation
- 2.5" colour LCD monitor with flexible mounting arm and power adaptor
- Mounting arm simply attaches via suction cap
- Power adaptor plugs into cigarette lighter (aux) outlet
- Compact stylish design number plate camera with wide-angle lens and LED's for enhanced night time operation

Part No.
VSRVM-WLESS



Digital Reversing Mirror With In-built 4" Colour LCD Screen

This attractive accessory fastens over your vehicles existing rear view mirror. When reverse gear is selected, a wide angle colour video image is instantly displayed on the in-built 4" LCD screen. Enables safe reversing with confidence, virtually eliminating blind spots. Functions as a regular mirror when not reversing.

- Video display turns on automatically while reversing
- Inbuilt 4" Colour TFT-LCD screen with speakers and volume control
- Monitor resolution: 480x 234 pixels
- Anti-glare blue glass mirror
- Secondary AV Input for connection to DVD/GPS (Only active when vehicle hand brake is applied)
- Integrated mirror image display (Selectable via AV input module)
- Power: 12VDC
- Mirror dimension: 270(W) x 20(D) x 95(H) mm

Part No.
VSMT-RVM

WARNING: Both reversing cameras and parking sensors are designed only as an aid to drivers. They should never be considered as a substitute for normal driver responsibility. Proper driving technique and use of mirrors whilst reversing should always be observed by the driver.

VEHICLE CAMERAS & MONITORS



Flush Mounted Bumper Camera with Infrared LEDs

This Reversing Camera simply mounts directly into your vehicle's rear bumper and once connected to one of Rhino's In-Vehicle LCD Monitors will display a clear colour image.

- 10 x infrared LEDs offer enhanced night time operation
- Easily mounts directly into the rear bumper of your vehicle
- 90Deg. horizontal viewing angle
- Compatible with Rhino's full range of in-vehicle LCD display monitors or any other LCD display
- Power 12VDC >=200mA

Part No.

VSDS-BUMPCAM



Number Plate Mounted Colour Reversing Camera with Infrared LEDs

This Reversing Camera simply mounts above your number plate and once connected to one of Rhino's In-Vehicle LCD Monitors will display a clear colour image.

- 8 x infrared LEDs offer enhanced night time operation
- Easily mounts above your number plate
- Camera can be tilted up and down to provide the best view
- 110° Horizontal Viewing Angle
- Compatible with Rhino's full range of in-vehicle LCD display monitors or any other LCD Display
- Power 12VDC >=200mA

Part No.

VSDS-NPCAMKIT



Flush Mount Bumper-Fit Reversing Camera With Infrared LEDs

Flush mount camera designed for mounting directly in the centre of your rear bumper bar. Infrared LEDs offer enhanced night time operation

- 110° Horizontal Viewing Angle
- Dimensions: 65 (L) x 25 (Dia.) mm

Part No.

VSMT-BUMPCAM



Ultra Small Wing Mount Reversing Camera

Ultra compact camera for mounting inside / outside the vehicle - such as above your number plate

- 130° Horizontal Viewing Angle
- Dimensions: 24 (L) x 19 (Dia.) mm

Part No.

VSMT-MINICAM



Truck Reversing Camera With Infrared LEDs and Microphone

Suitable for mounting inside rear windscreen (eg.4WD) or externally on a truck or van body. Infrared LEDs offer enhanced night time operation.

- 1/4" SHARP image sensor
- 420 TVL horizontal resolution
- 500(H) x 582(V) pixels
- Up to 30M IR range
- Effective illumination = 0.000Lux/F1.2(LED on)
- Fixed 2.8mm lens
- 120 Deg. view angle

Part No.

VSMT-TRUCKCAM



10m Video and Audio Cable for Truck Camera

This is a 10m RCA (Video and Mono Audio) cable for the VSMT-Truck Cam.

Part No.

VSRVM-CBL10

VEHICLE PARKING SENSORS



4 Channel Reversing Sensor Kit with 'Audible Alert'

This device is designed to aid drivers by detecting physical objects when reversing or parking. When reversing, the advanced ultrasonic sensors will detect obstacles within 1.5 metres from the rear of your vehicle.

- Detection Range - 0.2 ~ 1.5m
- 4 x Ultrasonic Sensors - 40KHZ
- Digital Control Box
- Speaker for audible alert
- 12 Volt DC - 20~200mA

Part No.

REVERSE4B

WARNING: Both reversing cameras and parking sensors are designed only as an aid to drivers. They should never be considered as a substitute for normal driver responsibility. Proper driving technique and use of mirrors whilst reversing should always be observed by the driver.

MOVE INTO THE 21st CENTURY

Now available from RhinoCo Technology the latest **CANBUS** interface modules.

“If you fit car security or electrical accessories into new cars you need our CANBUS modules.”

What is CANBUS?

The controller area network is a digital input BUS, which allows you to connect directly into the car computer to control most electrical items in new vehicles such as:

- Security system ON and OFF signals
- Cruise control signals
- Central locking signals
- Heated seats signals
- Foot brake signals
- Vehicle speed signals
- Park light signals etc.

Please call RhinoCo Technology for further information on: (02) 4577 4708





Power Supplies, Cables, Connectors & Accessories



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BATTERIES



CR2450 3V Lithium Battery

- Suits:
- PIRW3
- WREEDI

Part No.
CR2450BULK



3V Lithium Battery CR2025

- Suits:
- RCTX3-T

Part No.
CR2025BP



CR2032 3V Lithium Battery

- Suits:
- Suits many general purpose remote controls

Part No.
CR2032BP



3V Lithium Battery CR1616

- Suits:
- GT
- GTR
- GTS
- GTTX / GTSTX / GTRTX / RCTX4-U

Part No.
CR1616BP



Remote Control Battery - 12V, Type 23A

- Suits:
- PTX
- GLTX

Part No.
TX12V



12V DC 1.2AH Sealed Lead Acid Battery

- 12VDC / 1.2. AH
- Maintenance free sealed lead acid battery
- Non-spillable construction design
- High quality and high reliability
- Low self discharge characteristic
- Power failure backup battery

Part No.
D12V1.2



12V DC 7AH Sealed Lead Acid Battery

- 12VDC / 7.0 AH
- Maintenance free sealed lead acid battery
- Non-spillable construction design
- High quality and high reliability
- Low self discharge characteristic
- Power failure backup battery

Part No.
D12V7

AC / DC POWER SUPPLIES



5 Volt - 500mA Switchmode Power Supply

Part No.
PS5VDC500MA



5 Volt - 1.0Amp Switchmode Power Supply

Part No.
PS5VDC1AMP



Low Voltage AC Plugpack 16V AC 1.5 Amp

- Input - 230-240V AC / 50Hz
- Output - 16V AC / 1.5 Amp
- Lead - 1.8m
- Termination - Bare ends

Part No.
PS16VAC



Power Supply for Commax Video Intercoms

18V DC Power Supply for Commax Video Intercoms

Part No.
PS18VDC



Switch Mode AC Adaptor 12V DC, 1.5 Amp

- Input - 100-240V AC / 50Hz
- Output - 12V DC / 1.5 Amp
- Lead - 1.8m
- Termination - DC plug

Part No.
PS1500SM



Low Voltage AC Adaptor 24V AC 2.0 Amp

- Input - 240V AC / 50Hz
- Output - 24V AC / 2.0 Amp
- Input lead - 1.8m
- Output lead - 1.8m
- Termination - Bare ends

Part No.
PS24VAC2AMP



Switch Mode Power Supply 12V DC, 5 Amp

- Input 100-240V AC / 50Hz
- Output 12V DC / 5.0 Amp
- Input lead 1.5m
- Output lead 1.8m
- DC Plug Termination

Part No.
PS5000SM

MULTIPLE OUTPUT CCTV POWER SUPPLIES WITH THERMAL SHUTDOWN OVERLOAD & SHORT CIRCUIT PROTECTION

Introducing our latest range of high quality multiple output CCTV power supplies which have been designed specifically for use in the security industry. They feature thermal shutdown, overload and short circuit protection providing you with peace of mind on your installations. They are available with output voltages of 12V DC & 24V AC and utilise switch mode technology to enable efficient operation and compact design. Each unit is also fitted with individual power status LED's to provide instant visual evaluation of system operation.



12VDC 5Amp 10 Output CCTV Power Supply

- 10 individual outputs 12V DC at 0.35A (0.75A) max each
- Accepts universal inputs of 100-240V 50/60Hz
- Output Power: 5A Max 60W
- 4 LED status indicators for checking and diagnosing each channel
- Green = Power ON
- Red = In Loading
- Dim = In Over Loading
- Off = Power Off or Thermal Shutdown
- Auto reset thermal protection for each channel against output overload and or short circuits
- Max. Current limited with auto fold back function
- Efficient compact design

Part No.
PS12V5A10CH



24V AC 20Amp 16 Output CCTV Power Supply

- 16 individual outputs 24V AC at 1.25A (3.0A) max each
- Lockable metal housing
- Accepts universal inputs of 100-240V 50/60Hz
- Output Power: 20A Max 560VA
- 4 LED status indicators for checking and diagnosing each channel
- Green = Power ON
- Red = In Loading
- Dim = In Over Loading
- Off = Power Off or Thermal Shutdown
- Auto reset thermal protection for each channel against output overload and or short circuits
- Max. Current limited with auto fold back function
- Efficient compact design

Part No.
PS24V20A16CH



12VDC 9Amp 18 Output CCTV Power Supply

- Outputs can be connected parallel for connecting cameras with >500mA draw
- Not suitable for use outdoors
- Efficient compact design
- 18 individual 500mA fused outputs
- Lockable metal housing
- Output Power: 145W
- Input Voltage: 240V AC
- Output Current: 18 x 500mA fused outputs (9Amp Continuous-10Amp Peak)
- Dimensions(mm): 312(H) x 205(W) x 50(D)

Part No.
PS12V10A18CH



24VAC 32Amp 32 Output CCTV Power Supply

- 32 individual outputs 24V AC at 1000mA (2.0Amps) max each
- Accepts universal inputs of 100-240V 50/60Hz
- Output Power: 32A Max 896VA
- Standard 19" Rack Mount Case
- Individual LED indicator each channel
- Individual fuse protection for each channel against output overload and or short circuits
- Thermal fuse fitted in the transformer
- Varistor installed minimizing risks of damage from lightning
- Auto reset thermostat fitted against overheating
- Efficient compact design

Part No.
PS24V32A32CH



12VDC 8Amp 20 Output CCTV Power Supply

- 20 individual outputs 12V DC at 0.4A (0.75A) max each
- Accepts universal inputs of 100-240V 50/60Hz
- Output Power: 8A Max 96W
- 4 LED status indicators for checking and diagnosing each channel
- Green = Power ON
- Red = In Loading
- Dim = In Over Loading
- Off = Power Off or Thermal Shutdown
- Auto reset thermal protection for each channel against output overload and or short circuits
- Max. Current limited with auto fold back function
- Efficient compact design

Part No.
PS12V8A20CH

UN-INTERRUPTED POWER SUPPLIES



PRO Series Tower UPS

Suitable for standalone DVR's, Workstations and Printers.

- Wide input voltage window
- Boost and buck AVR
- Compatible with generators
- Provides LED and audible alarm function
- Surge protection
- Protection for short circuit and battery low voltage
- Automatic diagnostic on startup

Part No.
 UPS600VA
 UPS1000VA
 UPS1400VA
 UPS2200VA



Uninterruptible Power Supply - 700W

UPS1000VAXC - 700W



- Same unit can be used as tower or rack mount

- Hot swappable battery
- Selectable input/output voltage
- RS232 and USB communication
- Built in voltage stabilizer
- Line interactive
- True sine wave output
- Simple control and compact design
- SNMP compatible allowing web control and monitoring
- Generator compatible

UPS2000VAXC - 1340W



UPS3000VAXC - 2100W

Part No.
 UPS1000VAXC
 UPS2000VAXC
 UPS3000VAXC
 UPS1000VAXCRM
 UPS2000VAXCRM
 UPS3000VAXCRM



4 Core Cable 4 x 7/0.20mm Stranded 100m Roll

Part No.
 D4CC



6 Core Alarm Cable 6 x 7/0.2mm Stranded 100m Roll

Part No.
 D6CC



Full Copper RG59 75Ohm Coax Cable 100m/R

Part No.
 DCOAXFC



100m Roll Combined Coax/ Power Cable - Black

- Combined coax/power cable
- Full copper conductors and braiding
- Fig 8 - (2 x 24/0.2mm Stranded)
- RG59 75 Ohm
- 100m Roll

Part No.
 DCOAXPWR24FCB



100m Roll Combined Coax/ Power Cable - White

- Combined coax/power cable
- Full copper conductors and braiding
- Fig 8 - (2 x 24/0.2mm Stranded)
- RG59 75 Ohm
- 100m Roll

Part No.
 DCOAXPWR24FCW

CABLES



Figure 8 Cable 14 x 0.2mm / 100m Roll

Part No.
 DF8C



Figure 8 Cable 24 x 0.2mm / 100m Roll

Part No.
 DF8C2

TOOLS



Coaxial Cable Stripping Tool

- Coaxial cable stripper which suits RG58/59/6 cable
- Fitted with 3 blades to suit 4 cable diameters
- This 3 position stripper will strip cable revealing braid, dielectric and centre conductor

Part No.
 VSA18



Cable Tester - Tone Generator and Probe

Features(Probe):
 Sound or illumination and vocal-light indicating for choice.
 Volume adjusts.
 Low voltage warning.
 Features(Tone Generator):
 Choose switch of multiple frequency signal and single signal.
 Syllogistic remote switch applies for control operation mode.
 Three colour pilot light, display circuit polarity,continuity and testing voltage.
 Red and black test cartridge,standard four wires plug.
 Fine molding,expedient operation.

Part No.
VSCABLETESTER



Coaxial Connector Cable Crimping Tool with 5 Jaws

- Designed to crimp BNC/TNC connectors to RG58C/U and RG62 coaxial cable as well as the centre pin to the centre conductor
- Insulated handle and tension 6 position adjustment
- Hex sizes: 1.7, 2.5, 5.4, 6.5, 8.2mm

Part No.
TSA50



Inline BNC Connector, Socket to Socket

- BNC Socket to BNC Socket

Part No.
VSFB2B



Twist BNC Connector

- Installer can fix this BNC plug by hand
 - More reliable than crimp style

Part No.
VSFBNCTWIST

RCA Line Plugs



RCA Line Plug Male - Red

Model: VSFRLPR



RCA Line Plug Male - Black

Model: VSFRLPB



RCA Line Plug Male - Yellow

Model: VSFRLPY



RCA Line Socket Female - Red

Model: VSFRLSR

Part No.
 VSFRLPR
 VSFRLPB
 VSFRLPY
 VSFRLSR

LEADS & CONNECTORS



BNC / RCA Adaptors

- BNC to RCA adaptor
- RCA to BNC adaptor

Part No.
 VSFB2R
 VSFR2B



BNC / 'T' Connector

- BNC - T Connector

Part No.
VSFBTA



BNC Connector Standard Compression Type

- BNC (Standard compression type)

Part No.
VSFBNC



DC Power Connector Plug

Model: VSFDCP



DC Power Connector Socket

Model: VSFDCPF2.1

Part No.
 VSFDCP
 VSFDCPF2.1



15m RCA Extension Leads (3 x RCA To 3 x RCA)

Part No.	Length
RCA315	(1.5m)
RCA330	(3.0m)



Replacement 16ch BNC Lead for Platinum Card

This is a replacement 16 Channel BNC lead for Platinum cards.

Part No.
OCTOBNCP



Female Socket Twisted Pair to BNC Baluns

This device reduces the cost of cabling and eliminates the need for video amplifiers. By utilising UTP (Unshielded Twisted Pair) cable you can transmit all composite video signal sources (bandwidth DC-6MHz) or audio sources (bandwidth 0-15KHz) up to 300 metres away.

Must be used with VSBALCAT54

Part No.
VSBALCAT54S



Connector Strip with Screw Terminals for Distributing Power to Cameras

- One Input
- 8 Outputs
- Polarity Markings

Part No.
VSTBB



BNC Female to RJ45 Jack Shielded

This 4 channel video balun TX/RX can connect up to 4 video cameras to a single CAT 5 cable. This is ideal for use in areas where large amounts of cables are required as CAT 5 cable is significantly cheaper than the more traditional coaxial cable. Compatible UTP cables include CAT-5, CAT-6, CAT-7; compatible coaxial cable includes RG-59 and RG-6.

Part No.
VSQC-3427



5-Way Power Splitter

- One DC Power Jack Input
- Five DC Power Jack Outputs

Part No.
DC4CHLOOM



Quad Video Balun BNC Female Bulkhead Panel Mount

BNC Female to RJ45 Jack Shielded CCTV Balun Quad - Rack Mountable

- Features as per VSQC-3427

Part No.
VSQC-3427RM



10m Pre-terminated Combined Power and BNC Video Lead

Pre-terminated cables with no crimping required. Your plug and play solution!
- Please note: The above power / video leads are not suitable for cameras which draw more than 1 Amp of current

Part No.
RCA4CHLOOM10M
RCA4CHLOOM20M
RCA4CHLOOM30M



*Balun Not Included

19" 1RU Quad Video Balun Panel (Unloaded) with Designation Strip

CCTV Quad Balun Blank Panel Accessory with Designation Strip
This 16 port rack panel is used in conjunction with the VSQC-3427RM to create a professional rack mount solution.

Part No.
VSQC-3427RMP

BALUNS



1 Channel Twisted Pair to BNC Video Balun with Power

This device reduces the cost of cabling and eliminates the need for video amplifiers. By utilising UTP (Unshielded Twisted Pair) cable you can transmit all composite video signal sources (bandwidth DC-6MHz) or audio sources (bandwidth 0-15KHz) up to 300 metres away.

Part No.
VSBALCAT54



1 Channel Video/Audio Balun

This 1 channel balun TR/TX not only has a BNC socket, but it also comes with 2 RCA sockets for audio transmission support. This device converts video camera cabling and increases transmission distance by converting the signal from coaxial to CAT 5 Cable.

Part No.
VSQC-3424

VIDEO SURVEILLANCE PROTECTION EQUIPMENT

At Last

Real Protection For All Your Video Surveillance Equipment...

Did you know that it is common for video surveillance equipment such as DVR's, cameras, PTZ controllers, multiplexers & any other devices connected by coaxial cable, CAT5 or Fig 8, to be susceptible to damage caused by lightning strikes, power surges, and earth loops? This is due to the physical length of the ground wires.

These Surge Protectors & Filters protect your surveillance equipment by passing the hazardous voltages to ground and filtering out noise with total galvanic isolation which eliminates earth loops and hum bars.



UTP Data Surge Protection - Terminal Block Simple 'in-out' Surge Protection for PTZ Controllers or Data Wires

- Surge protection attack time: 100ns
- Maximum surge current: 5000A
- Dimensions: 45 X 25 X 25mm
- Weight: 74g

Part No.
VSSPU



Coaxial Surge Protection - BNC Connector Simple 'in-out' Surge Protection for CCTV Cameras

- Surge protection attack time: 100ns
- Maximum surge current: 5000A
- Dimensions: 78mm X 25mm X 25mm
- Weight: 80g

Part No.
VSSPB



UTP Video and Data Surge Protection - RJ45 Connectors Simple 'in-out' Surge Protection for IP Cameras and Network Devices

- Surge protection attack time: 100ns
- Maximum surge current: 50,000A
- Dimensions: 32mm X 45mm X 72mm
- Weight: 105g

Part No.
VSSPR



Ground Loop Isolator

- 75 ohm BNC Male to 75 ohm BNC Female
- Transient Voltage Suppressor: 12 Volts rms
- BNC Male with 100 mm miniature coaxial cable input and BNC Female output
- Isolation Voltage: 750 Volts DC
- Insulation Resistance: >100 M ohm
- Dimension: 50 x 30 x 25 mm

Part No.
VSVSI

REMOTES & FREQUENCY COUNTERS



GLTX Single Button Fixed Code Remote

- Fixed code technology
- For Rhino LS and GA Car Alarms

Part No.
GLTX



4 Button Code Hopping Remote - As supplied with Rhino RXPROR4

- As supplied with Rhino RXPROR4. Optional use with Rhino RCX, RES, JAG, RAM, WGUARDSMS and WGUARDMARINE
- Colour coded buttons with printed numbers to match GTTX / RCTX3-T i.e button 1 on Your RCTX4-U is the same function as button 1 on your GTTX remote

Part No.
RCTX4-U



2 Button Code Hopping Remote - Suits RCX, RES, WGUARDSMS and WGUARDMARINE

- Yellow LED
- Suits Rhino RCX and RES immobilisers, WGUARDSMS and WGUARDMARINE
- Red LED
- For Rhino GTS Car Alarm
- Green LED
- Suits Rhino GTR Car Alarm

Part No.
GTTX
GTSTX
GTRTX

Need a Replacement Remote Control ?

Programmable 4 Button Replacement Remote



The Rhino PTX Remote Control can duplicate a majority of fixed code remote controls (not code hopping remotes). Fixed code means that each time the remote control is pressed, the same code is transmitted each time. The PTX remote has four buttons so that it will universally suit most remotes i.e. some remotes have just one button for arming / disarming, where others may have separate buttons for multiple functions. The same code can be copied onto multiple buttons if desired. If your original remote has a function controlled by pressing multiple buttons together, you must duplicate that code to a single button on your Rhino PTX.

- 4 channel programmable remote control
- Many uses including car alarms, home alarms, panic buttons, garage doors...
- Copies most radio frequency fixed code remote controls
- Learns in seconds
- 255-500 MHz adjustable frequency
- Battery included

Part No.
PTX



3 Button Code Hopping Remote with LED Torch Function - Suits JAG, RA and RAM

- 3 button remote With LED torch
- As supplied With Rhino JAG, RA and RAM Car Alarm
- Also compatible with Rhino RCX, RES, WGUARDSMS and WGUARDMARINE

Part No.
RCTX3-T

Frequency Counter for Scanning & Adjusting Remotes



RF Remote Control Frequency Counter

This tool is ideal for both home and vehicle technicians to quickly check if UHF remotes are working and re-tune to correct frequency if required.

- Large easy to read display
- Reads 250 ~ 500 MHz
- Power supply included

* Remote Control Not Included

Part No.
FREQCOUNTER

Universal Air Conditioner Remote Control - Suits Most Models



Universal Air Conditioner Remote

This universal air conditioner remote control can control over 100 different world famous brands of air-conditioners, including Fujitsu, Daikin, Hitachi, Mitsubishi and Samsung.

Part No.
RS10



Business Phone Systems



PBX BUSINESS PHONE SYSTEMS

PBX Business Phone Systems	80
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PBX PHONE SYSTEMS ACCESSORIES

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COMPLETE BUSINESS PHONE SYSTEM



*** EASY TO USE,
EASY TO PROGRAM**



Digital PBX Keyphone System with 4 x LCD Handsets

- System Includes:
- 4 x LCD Display Handsets
 - 1 x PBX Central Control Module Main Features:
 - Supports up to 16 handsets and 6 incoming PSTN lines
 - Expansion cards available (Voice Mail, Automated Attendant, Automated greeting, Caller ID, Door phone, VoIP trunk / extension)
 - Automatic Call Distribution
 - Call transfer, Call Forward, Call Park, Call Barring, Call Queuing, Call Override
 - Conference Calling
 - Do not disturb
 - User set alarms
 - Least Cost Routing
 - Time Based Routing
 - Internal or External hold music
 - Paging and Intercom
 - Distinctive Ring
 - Speed and one touch dialing
 - Optional external battery backup

Phone Available in Black



Part No.
EASYPBX-PACK4W
EASYPBX-PACK4B

PBX PHONE SYSTEMS ACCESSORIES



White Phone
(Model: EASYPBX-PHONE8W)



Black Phone
(Model: EASYPBX-PHONE8B)

8 Line Digital Keyphone

- 12 programmable flexible function keys
- Two wire installation, fully hands-free
- Displays time, date and phone name on standby screen.
- Can display caller ID with optional expansion card

Part No.

EASYPBX-PHONE8W
EASYPBX-PHONE8B



24 Line Digital Keyphone

- 24 programmable flexible function keys
- Two wire installation, fully hands-free
- Large LCD display with backlight
- Displays time, date and phone name on standby screen.
- Extra function keys may be used as an operators switchboard
- Can display caller ID with optional expansion card

* Phone also comes in Black colour
(Model: EASYPBX-PHONE24B)

Part No.

EASYPBX-PHONE24W
EASYPBX-PHONE24B



2 Line Analogue Handset Input Card

- Enables standard analogue phone handsets to be connected to your EasyPBX system
- Allows standard phones to make, receive and transfer calls on multiple lines
- Often used with cordless phones to give the PBX system wireless functionality

Part No.

EASYPBX-2SL



(Model: EASYPBX-LCARD2)

2 Line Expansion Card

- Provides two additional incoming PSTN ports to your EasyPBX system.
- Can be used in conjunction with part no. EASYPBX-LCARD4 for a total of 8 incoming lines.



(Model: EASYPBX-LCARD4)

4 Line Expansion Card

- Provides four additional incoming PSTN ports to your EasyPBX system.
- Can be used in conjunction with part no. EASYPBX-LCARD2 for a total of 8 incoming lines.

Part No.

EASYPBX-LCARD2
EASYPBX-LCARD4



Doorstation Interface Card

- Enables the PBX to be connected to a standard door station.
- Provides doorbell, audio and door strike functions.
- Compatible with most 600 Ohm systems.

Part No.

EASYPBX-DPVCARD



Digital Automated Attendant Unit

- Allows for 256 seconds of voice menus
- Fully automated interactive voice response
- Supports up to two concurrent calls
- Supports separate day and night modes
- Multiple units may be stacked to increase call capacity

Part No.

EASYPBX-VACARD



Voicemail Expansion Card

- 10 and 20 hour versions available
- Four concurrent sessions
- Supports up to 500 mailboxes
- Voice attendant
- Can be enabled manually or through the PBX time of day setting

Part No.

EASYPBX-VMCARD



Caller ID Expansion Card

- Gives your PBX the ability to detect the numbers of incoming callers
- Passes caller ID though to enabled handsets
- Allows for screening of callers based on phone number
- One card enables up to four incoming lines

Part No.
EASYPBX-IDCARD



LINKSYS VoIP Analogue Telephone Adapter

- Enables legacy PBX hardware for VoIP
- Provides routing and QoS functions, allowing you to share your existing internet connection without sacrificing call quality
- Configuration via a simple web interface
- Includes two standard telephone sockets for phones or fax machines with independent phone numbers
- Compatible with all common telephone features, such as Caller ID, Call Waiting and Voicemail

Part No.
VOIP-VOICEBOX



Serial Interface Expansion Card

- Allows simplified programming through a computer interface
- Can be configured to output station status and call metering data

Part No.
EASYPBX-RS232IF



Australian 606 to US Modular Adapter

- Often used in older buildings
- 6P2W adapter

Part No.
606M2



Voice Over IP Expansion Card

- Four line internal VoIP card - does not occupy your normal PSTN line inputs
- Allows for seamless dial-plan integration between two or more EasyPBX systems at different sites anywhere in the world
- Make free *intraoffice calls and transfers (*Excludes any associated data costs)
- Can register to any SIP based ITSP (ie Engin) to allow for low cost local and international calling
- Can be combined with the Digital Automated Attendant Unit to automatically route calls between offices

Part No.
EASYPBX-VOIPCARD



Telephone Extension Leads

- Flexible multistranded wire
- Fitted with 6P4W modular plugs
- Can be used with the 606 adapter above
- Available in 1m, 10m, 20m and 30m lengths

Part No.
PHONEEXT1M
PHONEEXT10
PHONEEXT20
PHONEEXT30



2 Port ISDN BRI Card

This 2 port ISDN BRI card gives the PBX the ability to connect to any standard ISDN Basic Rate Interface. IE Telstra NT1.
2 physical ports= 4 logical lines

Part No.
EASYPBX-BRICARD2



3.5mm Male to Male Audio Lead

- Used to connect the EasyPBX system to a standard hold music source (ie radio)
- Length : 1.2mm

Part No.
AUDIOCABLE



Access Control



SAMSUNG EZON DIGITAL DOOR LOCKS

PIN Code, Biometric & Card Reading Digital Door Locks & Accessories	84
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SAMSUNG EZON INTERCOM SYSTEMS

High Quality Video Intercom Systems & Accessories	86
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COMMAX AUDIO & VIDEO DOORPHONE

Audio Phone	88
Video Phone	88



COMMAX AUDIO / VIDEO PHONE APARTMENTS

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Are your customers after **STYLE** and **SECURITY**?



SAMSUNG EZON Quality, Reliability & Style...



Samsung EZON Touch Screen Digital Door Lock (Silver)



Slim and elegant in design with a brush aluminum and tempered glass finish, the Samsung EZON range of modern and sophisticated door locks are ideal for a keyless home. Designed with a digital touch keypad, secure deadbolt locking mechanism, electrostatic discharge prevention, auto and manual locking modes, as well as external emergency battery terminal, SHS-1110 is the premium keyless entry system for professional installers and DIY enthusiasts alike.

Part No.
EZSHS-1110XMS



Samsung EZON Touch Screen Sensor Key Door Lock w/ Handles (Black)



Slim and elegant in design with a pearl black and tempered glass finish, the Samsung EZON range of modern and sophisticated door locks are ideal for a keyless home. Designed with a digital touch keypad, secure deadbolt locking mechanism, electrostatic discharge prevention, auto and manual locking modes, an Anti-Panic exit system, as well as external emergency battery terminal, the SHS-5110 is the premium keyless entry system for professional installers and DIY enthusiasts alike.

Part No.
EZSHS-5110XMK



Samsung EZON Touch Screen Digital Door Lock (Black)



Slim and elegant in design with a pearl black and tempered glass finish, the Samsung EZON range of modern and sophisticated door locks are ideal for a keyless home. Designed with a digital touch keypad, secure deadbolt locking mechanism, electrostatic discharge prevention, auto and manual locking modes, as well as external emergency battery terminal, SHS-1210 is the premium keyless entry system for professional installers and DIY enthusiasts alike.

Part No.
EZSHS-1210XMK



Samsung EZON Touch Screen RF Door Lock w/ Handles (Black)



The Samsung EZON range of intelligent digital door locks blends premium design with safety and security. The SHS-5120XMK utilises Smart card technology, allowing for three methods of entry: PIN, Smart Card or RF Key Tag. The anti-panic system, built-in fire detection sensor, ESD preventative technology and unauthorised entry alarm ensure that you are safe and secure at home.

Part No.
EZSHS-5120XMK



Samsung Ezon Premium Touch Screen Digital Door Lock - with Random Security Coding



Touch the Pride with the Samsung EZON range of digital door locks. The innovative SHS-1320XMK introduces random security coding technology, doubling the security without compromising the style of a digital, keyless lifestyle.

Security and safety are incorporated into the design, with the built-in fire detection sensor, unauthorised entry alarm, random security coding and Electrostatic Discharge (ESD) preventative technology.

Part No.
EZSHS-1320XMK



Samsung Ezon Premium Biometric Door Lock - Mortice Type - w/ Handles



The Samsung EZON SHS-DL22SNF Premium Biometric Digital Door Lock delivers a new level of safety and security to your home or business. The SHS-DL22SNF can be operated via a fingerprint or PIN code.

It incorporates auto/manual selectable locking modes, in-built thermal sensor with emergency alarm, and anti-panic exit system in a stylish, tamperproof alloy body.

Part No.
EZSHS-DL22SNF



Samsung EZON Biometric Door Lock - Rim Type - Blue



The Samsung EZON SHS-DS22BNF is a digital biometric door lock which blends convenience with security without compromise. The innovative fingerprint verification technology ensures the highest security for a reliable access control system.

The SHS-DS22SNF utilises a number of safety features standard across the EZON range, including the 1-touch anti-panic system, emergency alarm in case of door breakage, selectable auto/manual locking modes and low battery warning.

Part No.
EZSHS-DS22BNF



Samsung EZON Biometric Door Lock - Rim Type - Silver



The Samsung EZON SHS-DS22BNF is a digital biometric door lock which blends convenience with security without compromise. The innovative fingerprint verification technology ensures the highest security for a reliable access control system.

The SHS-DS22SNF utilises a number of safety features standard across the EZON range, including the 1-touch anti-panic system, emergency alarm in case of door breakage, selectable auto/manual locking modes and low battery warning.

Part No.
EZSHS-DS22SNF

DIGITAL DOOR LOCK ACCESSORIES



Replacement RF Keytags for Samsung EZON doorlocks



These are spare/replacement RF keytags for compatible Samsung EZON doorlocks. Each pack comes with two tags.

Compatible Doorlocks are:
EZSHS-1110XMS
EZSHS-1210XMK
EZSHS-5110XMK

Part No.
EZSHS-ACK100



Replacement RF SmartCards for Samsung EZON doorlocks



These are replacement RF SmartCards for compatible Samsung EZON doorlocks.

Part No.
EZSHS-DAKTX01

SAMSUNG EZON INTERCOM KITS



Samsung EZON 5" Deluxe Intercom System with Camera

The Samsung EZON EZSHT-3005XA is a sophisticated TFT-LCD video door phone designed for the modern home. It incorporates a sleek and slim surface with a sensitive touch pad control system. The system can be expanded to include up to 4 monitors and 3 door cameras for greater home automation. The system features a remote door release function, a security alarm which activates when the magnetic contact sensor is triggered, and an optional built-in video image memory (up to 32 snapshots)

Expansion Options:



Part No.
EZSHT-3005XA



Samsung EZON 7" Intercom System with Camera

The Samsung EZON EZSHT-3007XB is a slim and stylish TFT-LCD Speakerphone and Door Camera pack designed for the modern home. The system can be expanded up to 2 door cameras for increased functionality. The intercom has remote door release and intercom call functions. Intercom call between a video monitor and a sub audio handset.

Expansion Options:



Part No.
EZSHT-3207XB

SAMSUNG EZON INTERCOM ACCESSORIES



Samsung EZON Additional 5" Monitor For Use With EZSHT-3005XA

Additional 5" monitor for use with EZSHT-3005XA



Part No.
EZSHT-3005XM



Samsung EZON Metal Door Station Pinhole Camera

The Samsung EZON EZSHT-CP610 is a metal door station pinhole camera. It has a 1/3" colour pinhole CCD with night vision.



Part No.
EZSHT-CP610



Samsung EZON Plastic Door Station

The Samsung SHT-CN510 is a Deluxe Door Camera designed for use with the Samsung EZON EZSHT-3005 range of Video Door Phones.



Part No.
EZSHT-CN510



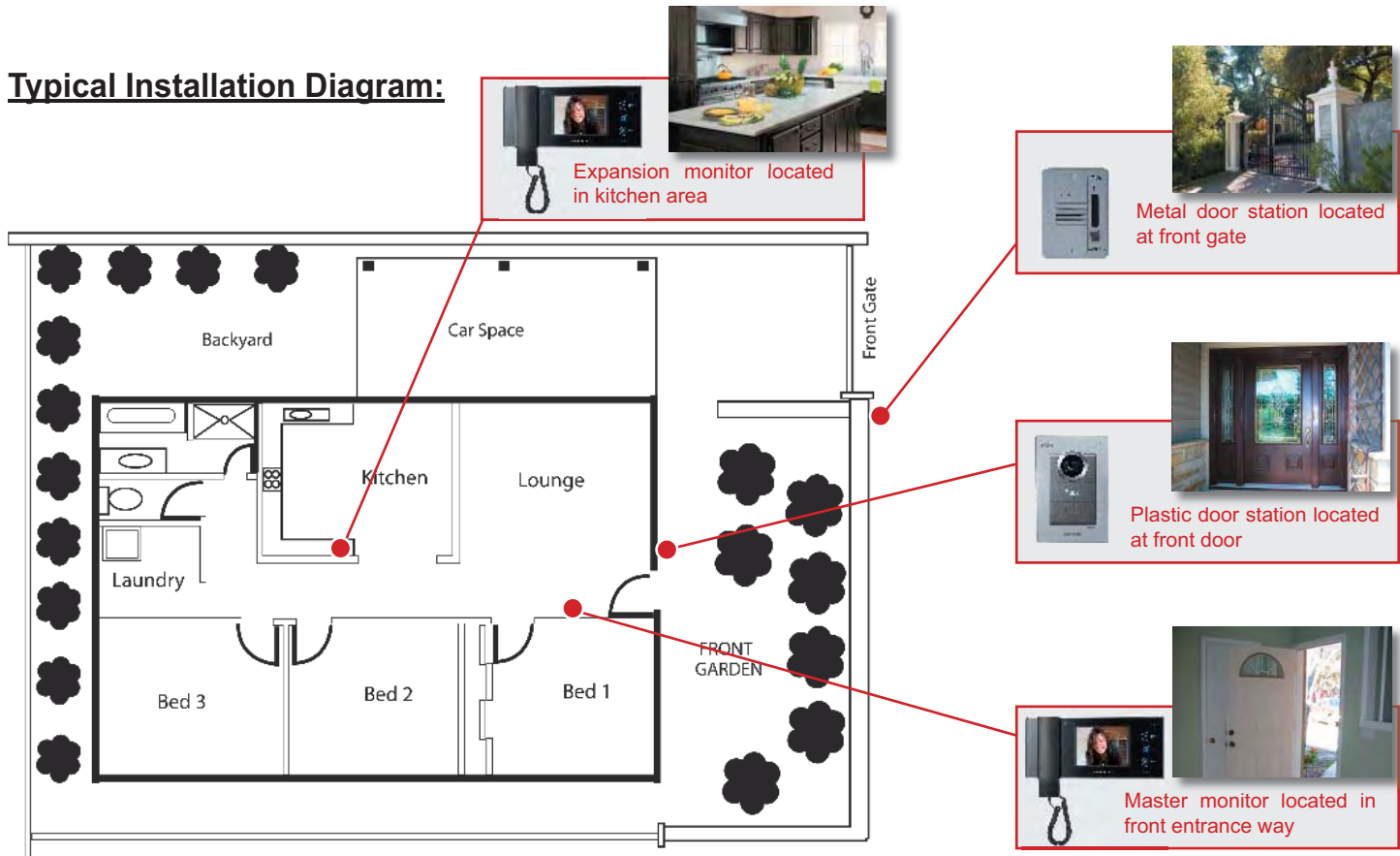
Samsung EZON Intercom Audio Subset

The Samsung IPE-100 is an expandable audio interphone compatible with the EZON 3207 series. It features an intercom call and open door button.



Part No.
EZSHT-IPE100

Typical Installation Diagram:



AUDIO DOORPHONE



Audio Doorphone Kit

- Kit Includes:
- 1 x Handset
 - 1 x Audio Doorphone Station (Plastic Surface Mount)
 - 1 x 12v Power Supply

Additional Components:

- N/A

** Please refer to Commax product guide for full details.

System Capacity

Part No.
INTAKITA



Audio Doorphone Kit with Master and Slave Handset

- Kit Includes:
- 1 x Handset (Master)
 - 1 x Handset (Slave)
 - 1 x Audio Doorphone Station (Aluminium Surface Mount)
 - 1 x 12v Power Supply

Additional Components:

- Handset: Part No:INTDPRA01SD

** Please refer to Commax product guide for full details.

System Capacity

Part No.
INTAKITB
INTDPRA01SD

VIDEO DOORPHONE



Video Doorphone Kit - Black/White

- Kit Includes:
- 1 x B/W Video Monitor
 - 1 x 64 Image Memory Unit
 - 1 x Audio Handset
 - 1 x Video Door Station (Aluminium Surface Mount)
 - 18V Power Supply

Additional Components:

- BandW Monitor: Part No.INTDPV4HPD
- Audio Handset: Part No.INTDP4VR
- Video Door Station: Part No.INTDRC40BS

** Please refer to Commax product guide for full details.

System Capacity

Part No.
INTVKITA
INTDPV4HPD
INTDP4VR
INTDRC40BS



Video Doorphone Kit - Colour 4" Monitor

- Kit Includes:
- 1 x 4" Colour Video Monitor
 - 1 x Image Memory Unit
 - 1 x Audio Handset
 - 1 x Video Door Station (Aluminium Flush Mount)
 - 18V Power Supply

Additional Components:

- 4" Colour Monitor: Part No.INTCDV4HCD
- Audio Handset: Part No.INTDP4VR
- Video Door Station*: Part No.INTDRC4CA

** Please refer to Commax product guide for full details.

System Capacity



Part No.
INTVKITB
INTCDV4HCD
INTDP4VR
INTDRC4CA



Video Doorphone Kit - Colour 5" LCD

- Kit Includes:
- 1 x 5" Colour Video Monitor
 - Hands Free Operation
 - 1 x Audio Handset
 - 1 x Video Door Station (Aluminium Surface Mount)
 - 18V Power Supply

Additional Components:

- Colour Monitor: Part No.INTCDV50A
- Audio Handset: Part No.INTDP4VR
- Video Door Station*: Part No.INTDRC40CS

** Please refer to Commax product guide for full details.

System Capacity



Part No.
INTVKITC
INTCDV50A
INTDP4VR
INTDRC40CS



Video Doorphone Kit - Colour 7" LCD and CCTV

- Kit Includes:
- 1 x 7" Colour LCD Video Monitor
 - Hands Free Operation
 - 1 x Video Door Station (Aluminium Surface Mount)
 - 1 x Surface Mount Digital Control Station
 - 1 x 15m Infrared CCTV Camera
 - 2 x 18V Power Supplies
 - 1 x 12V Camera Power Supply

Additional Components:

- 7" Colour LCD Monitor: Part No.INTCAV71B
- Video Door Station: Part No.INTDRC40S
- CCTV Camera: Part No. VSTP9361RAV

System Capacity



** Please refer to Commax product guide for full details.

Part No.
INTVKITD
INTCAV71B
INTDRC40S
VSTP9361RAV

AUDIO DOORPHONE



Apartment Audio Intercom Kit - For 8 Units

APARTMENT AUDIO INTERCOM (DIGITAL PUSH BUTTON TYPE) 8 UNIT KIT
 Kit Includes:
 1 x 8 Button Master Door Station
 1 x Audio Handset
 12V Power Supply

Additional Components:
 Audio Handset: Part No.INTDPKSS

* Also available door station for up to 16 units (Please call)

** Please refer to Commax product guide for full details.



System Capacity

Part No.

INTAPTAKITA
 INTDPKSS



Apartment Black/White Digital Video Intercom - Max 240 Units

APARTMENT VIDEO INTERCOM (DIGITAL KEYPAD TYPE)/ 5 DOOR ENTRIES and MAX 240 UNITS

Kit Includes:
 - 1 x B/W Digital Keypad Door Station
 - 1 x B/W Wall Mount Indoor Monitor
 - 1 x 4 Output Video Distributor
 - 24V Power Supply
 - 18V Power Supply

Features:

- Multi Entry Apartment B/W Video System
- Digital Key Pad Type Door Camera for up to 6 Entries and 240 Room Units
- B/W Wall Mount Indoor Monitor, Dip Switch for Unit Address
- Audio Handset(Optional)
- Private Door Station connectible
- 4 Wire System
- 24V DC Regulated

Additional Components:

- B/W Monitor: Part No.INTAPV4CMD/2
- Audio Handset: Part No.INTAP2RS
- B/W Digital Keypad Door Station: Part No.INTDRC240

** Please refer to Commax product guide for full details.



System Capacity

Part No.

INTAPTVKITB
 INTAPV4CMD2
 INTAP2RS
 INTDRC240

AUDIO DOORPHONE APARTMENTS



Apartment Black/White Digital Video Intercom - Max 32 Units

APARTMENT VIDEO INTERCOM (DIGITAL PUSH BUTTON TYPE) 5 DOOR ENTRIES and MAX 32 UNITS

Kit Includes:
 - 1 x 8 Button Master Door Station
 - 1 x 24 Button Expander Door station
 - 1 x B/W Video Monitor
 - 1 x Audio Handset
 - 24V Power Supply

Features:

- B/W Video Apartment Digital Intercom System
- Indoor unit address set by dip-switches
- Standard 2 common entry connection
- Private Door Station connectible

Additional Components:

- B/W Video Monitor: Part No.INTAPV4CMD/2
- Audio Handset: Part No.INTAP2RS

** Please refer to Commax product guide for full details.



System Capacity

Part No.

INTAPTVKITA
 INTAPV4CMD2
 INTAP2RS



Apartment Colour Digital Video Intercom - Max 8 Units

APARTMENT VIDEO INTERCOM (DIGITAL PUSH BUTTON TYPE)/ 5 DOOR ENTRIES and MAX 32 UNITS

Kit Includes:
 1 x 8 Button Colour Door Station
 1 x 4" Colour Video Monitor
 18V Power Supply
 12V Power Supply

Additional Components:

B/W Video Monitor: Part No.INTCDV4HCD

** Please refer to Commax product guide for full details.



System Capacity

Part No.

INTAPTVKITC
 INTCDV4HCD

RhinoCo Technology's Terms & Conditions of Sale

1. DEFINITION

The expression "The Company", when referred to in these Terms and Conditions, refers to CORNICK PTY LTD ABN 74 001 621 610.

2. GENERAL

These Terms and Conditions of Sales apply to the sales of goods and services manufactured or supplied by The Company.

Any order received by The Company is deemed to be an order incorporating these Terms and Conditions and no variation or cancellation of any of these Terms and Conditions shall be binding on The Company unless assented to by The Company in writing.

Each order placed by the customer shall be & be deemed to be a representation by it, made at the time that it is solvent & able to pay all of its debts as & when they fall due. Failure to pay The Company in accordance with these terms shall be & be deemed to be conclusive evidence that the customer had no reasonable grounds for making the representation hereof & that the representations were unconscionable, misleading and deceptive.

3. ACCEPTANCE

Any quotation by The Company is not to be construed as an offer or obligation to sell and The Company reserves the right, at its option, to accept or reject any orders received.

4. PRICES

All prices charged/quoted shall be The Company's prices ruling at the date of despatch. Verbal quotations are subject to written confirmation which will be given when requested. All goods are sold and all prices are quoted FOB ex-works The Company unless otherwise specified. The Company reserves the right at any time to make reasonable adjustments of prices in relation to fluctuations in The Company's cost of labour, material, goods or transport and also in relation to any changes in currency exchange rates or duty which affect The Company's costs for imported goods.

Unless expressly noted all prices charged/quoted are exclusive of GST. All government imposts of GST or any equivalent as separately itemised on The Company's invoices are to the customer's account.

5. CANCELLATION OR VARIATION

A contract may, at The Company's option, be terminated in the event of insolvency of the purchaser or the purchaser being placed in liquidation, whether voluntarily or otherwise. A purchaser may only vary an order if such variation is accepted by The Company in writing and any variation or cancellation may only occur on terms which will provide for The Company to be indemnified by the purchaser against any loss or damages. Cancellations will attract a cancellation fee and must be at least 90 days prior to current due delivery date. No cancellation will be accepted on indented products. Re-schedules must be at least 45 days prior to the current due delivery date and any item may be deferred only once, up to a maximum of 90 days from the original requested date.

6. PACKING

Unless otherwise indicated prices include standard cases or packing.

7. DELIVERY

Unless otherwise stated in writing the price quoted is ex The Company's store where stocked. Where delivery is requested beyond this point The Company may, at its discretion, agree to act as agent for the purchaser in this matter and all costs for cartage and insurance will be for the purchaser's account.

8. TERMS OF PAYMENT

Cash on Delivery otherwise expressly agreed to in writing. The Company reserves the right to deliver and invoice any item or items comprising the whole or part of any order. Failure of The Company to deliver any part of an order shall not entitle the purchaser to repudiate the contract.

9. CLAIMS

The following conditions relating to the return of goods for credit apply to all goods returned for this purpose.

9.1 Goods returned must be accompanied by a Delivery Docket stating original invoice number, date of purchase and reason for return.

9.2 Non-standard equipment made to special order cannot be credited under any circumstances.

9.3 Inward freight packing and delivery charges are the responsibility of the purchaser.

9.4 Goods will only be accepted for credit to the extent of that wrongly or over-supplied.

9.5 All returns must be in good order and condition, unused and in original packaging. No claims by the purchaser need be recognised unless made in writing within fourteen days after delivery of the goods to the purchaser.

No claim for damage or resultant expense direct or indirect in respect of any goods shall in any case exceed the invoice price of the goods in respect of any damages or expense shall arise. All damage or expense over and above such invoice shall be the responsibility of the purchaser.

10. RISKS

Risk in the goods purchased shall, unless otherwise agreed in writing, pass to the purchaser upon delivery of the goods to the purchaser or his agent or to a carrier commissioned by the purchaser.

11. PATENTS

To the best of The Company's knowledge goods sold to the purchaser will not infringe any patent, trade mark, registered design or copyright of any third party but The Company shall in no circumstances be liable to the purchaser in respect of any such infringement constituted by the sale or use of the goods.

12. PERFORMANCE AND REPRESENTATION

Any figures or estimates given for performance of goods are based upon The Company's experience and are such as The Company would expect to obtain on test. But The Company will only accept liability for failure to obtain the figures or estimates given when such figures or estimates are guaranteed in writing within specified margins. The purchaser

acknowledges that neither The Company nor any person purporting to act on its behalf has made any representation or given any promise or undertaking which is not expressly set out in the contract whether as to the fitness of the goods for any particular purpose or any other matter.

13. CONDITIONS AND WARRANTIES

All conditions and warranties expressed or implied by statute, the common law equity trade custom or usage or otherwise howsoever are hereby expressly excluded to the maximum extent permitted by law. Where so permitted the liability of The Company for a breach of a condition or warranty that cannot be excluded is limited (at The Company's option) to the replacement or repair of the goods or the supply of equivalent goods or the cost of replacing or repairing the goods or of acquiring equivalent goods. The Company shall not be liable in any way whatsoever for indirect or consequential loss or damage whatsoever (whether based on tort or contract or otherwise). It is a condition of this contract that the purchaser shall not use the goods for the installation in or in association with aircraft. Goods are not authorised for use in life support devices, systems intended for surgical implant into the body or for applications intended to support or sustain life or where the failure of the product would ordinarily create a situation where personal injury or death is likely to occur. In the event the goods are so incorrectly used, The Company shall be exempt from all liability whatsoever and the purchaser hereby indemnifies The Company in respect of any claims, demands, suits or proceedings whatsoever resulting from such misuse of the goods. The Company warrants its products to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for 12 months from the date stamp control on the product, or for products not having a date stamp, for twelve months from the date of original purchase unless the installation instructions or catalogue sets forth a shorter period, in which case the shorter period shall apply. The Company's obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor, any part which is proved not in compliance with The Company's specifications or proves defective in materials or workmanship under normal use and service. The Company shall have no obligation under this Limited Warranty or otherwise if the product is altered or improperly repaired or serviced by anyone other than The Company. For warranty service, return transportation prepaid, to 9 Hannabus Place McGraths Hill NSW 2756 Australia.

There are no warranties, expressed or implied, of merchant ability, or fitness for a particular purpose or otherwise, which extend beyond the description on the face hereof. In no case shall The Company be liable to anyone for any consequential or incidental damages for breach of this or any other warranty, express or implied, or upon any other basis of liability whatsoever, even the loss or damage is caused by its own negligence or fault. The Company does not represent that the products it sells may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; or that the products will in all cases provide adequate warning or protection. Customer understands that a properly installed and maintained alarm system may only reduce the risk of a burglary, robbery, or fire without warning, but it is not insurance or a guarantee that such will not occur or that there will be no personal injury or property loss as a result.

Consequently, The Company shall have no liability for any personal injury; property damage or other loss based on a claim the product failed to give any warning. However, if The Company is held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, The Company's maximum liability shall not in any case exceed the purchase price of the product, which shall be the complete and exclusive remedy against The Company. This warranty replaces any previous warranties and is the only warranty made by The Company on this product. No increase or alteration, written or verbal, of the obligations of this Limited Warranty is authorised.

14. TITLE TO GOODS

14.1 Notwithstanding delivery of the goods to the purchaser, until the purchaser has effected full payment for the Goods and any other goods previously supplied by The Company:

- legal title to the Goods will remain with The Company;
- the risk in the Goods will pass to the purchaser on delivery to the purchaser or its agent;
- the relationship between The Company and the purchaser will be fiduciary;

11.2 The Purchaser will:

- hold the Goods as bailee for The Company;
- keep the goods separate from other goods; and
- label the goods so that they are identifiable as the goods of The Company;

14.3 With The Company's consent (which is given) the purchaser is at liberty to sell the Goods, in the ordinary course of the purchaser's business, provided that the money from the sale will:

- be held in a separate account in trust for the vendor;
- not be mingled with other money; and
- not be placed into an overdrawn account

14.4 The purchaser is not an agent of The Company in any sale of the Goods by the purchaser.

14.5 After the happening of an Event of Default, the vendor may without demand retake possession of the Goods and may without notice sell the Goods on such terms and in such a manner as it determines and will be entitled to deduct all expenses incurred. For the purposes of recovering possession and without limiting the generality of the foregoing, the purchaser irrevocably authorises and licenses The Company and its servants and agents to enter any premises where any Goods may be stored and to take possession of the Goods.

15. RECOVERY OF COSTS

The customer will pay to The Company any costs and expenses incurred by it or its solicitors, legal advisers, mercantile agents and other parties acting on The Company's behalf in respect of anything instituted or being considered against the customer whether for debt, possession of any goods or otherwise.

16. FORCE MAJEUR

The Company will not be in default or in breach of any contract with the customer by as a result of Force Majeur. Force Majeur means beyond the reasonable control of The Company and includes any strike or lockout either directly or indirectly by any supplier of goods or services.

17. LEGAL CONSTRUCTION

Except as may be otherwise agreed by The Company, the contract shall be governed by the laws of the State of NSW.

Fax Order Form

Fax your order to: 02 4577 4885



Customer Details:

Company: _____
 Contact: _____
 ABN No. _____
 Postal Address: _____

 State: _____ Post Code: _____
 Phone: _____ Fax: _____
 Mobile: _____
 Email: _____

Order No. _____

Payment Details:

- Account - A/C # _____
- Cheque / Money Order
- Direct Deposit
- Mastercard
- Visa
- Amex - (Surcharge Applies)

Delivery Details:

- Express Post (Up to 3kg only)
- Road Freight (Std Road Freight Charges Apply)
- Pick Up - Location:
 - McGraths Hill
 - Haberfield
 - Villawood
 - Wollongong
 - Your Nominated Freight Carrier

On all pick up items sales staff will call to confirm availability & pick up times

Company: _____
 Phone: _____
 Account Code: _____
 Delivery Address: _____

 State: _____ Post Code: _____

Card No. _____

Exp Date: __ / __

Card Holders Signature: _____

 (Please Note: Credit card charges may apply)

Special Instructions: _____

Part No.	Description	Qty	Unit Price	Total Price

**Please Fax to RhinoCo Technology on
02 4577 4885**

Total Order Value	\$
Delivery	\$
GST	\$
ORDER TOTAL	\$

Please photocopy and use this page as often as required to order your products



INTERNATIONAL HEADQUARTERS AND BRANCHES



AUSTRALIA HEAD OFFICE

Address: 9 Hannabus Place McGraths Hill
NSW 2756, Australia
Phone: (+61) 2 4577 4708
Fax: (+61) 2 4577 4885
Email: sales@rhino.com.au

HABERFIELD BRANCH

Address: 223 Ramsay Street
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