

RHINO TECHNOLOGY OGY  
ELECTRONIC SECURITY & COMMUNICATION  
PRODUCT CATALOGUE  
18th EDITION

Since 1978



*Run with Us!*

**RhinoCo**<sup>®</sup>  
TECHNOLOGY  
Electronic Security & Communication



**SECURVIEW**<sup>™</sup> XR Series

Cameras with Lifetime Warranty!#

**STELLAR PERFORMANCE**

## 18th Edition Product Catalogue

- CCTV SURVEILLANCE PRODUCTS
- HOME & COMMERCIAL ALARMS
- ACCESS CONTROL SYSTEMS
- ENERGY SAVING DEVICES
- CAR ALARMS & IMMOBILISERS
- GPS TRACKING
- 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 32 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 our products 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:

We have a large customer base of industry trade professionals, government departments and major retailers. Our product range caters for these distinct markets.

We have established branch offices in the international business market, expanding into the United Kingdom, Italy and South Africa to promote 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 33rd 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 specialise in building and customising your NVR/ DVR solutions



We Are Your Engineering Design House  
Product Development Services Available

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Incredible Value & Performance !!

# SECURVIEW™ XR Series

POWERED BY

**SUPERDUOTECH™**

The Securview™ XR Professional CCTV Camera Range is built with Samsung DSP and Sony Super HAD CCD technology!

SuperDuoTech™ is the combination of two high-performance CCTV technologies. Genuine Sony Super HAD interline CCD image sensors and the latest Samsung Digital Signal Processing (DSP) with Dynamic Digital Noise Reduction (DDNR) Technology. The XR Series displays unrivalled image qualities of up to 600TVL in colour, but also a complete feature-list of functions unsurpassed by cameras more than twice their value!

# RhinoCo warrants to the original wholesale purchaser / installer that any XR Series camera will be free from defects in material and workmanship under normal use and service. RhinoCo at its option, shall repair or replace any defective unit returned with the same or equivalent model covered by this warranty. This limited lifetime warranty is non-transferable and is in addition to RhinoCo's Standard Terms of Sale available from: <http://www.rhinoco.com.au/terms>

## XR SERIES CAMERAS (COLOUR)



**SECURVIEW™ XR Series**

### Securview XR Series W5 DSP Chipset, 600TVL Day/Night Mini Vandal-Proof Dome Camera

The Securview XR Series utilise the latest Samsung Techwin technology to provide you with incredible value and performance, making them a high-quality surveillance solution. The VSXR-608DV Mini Vandal-proof Dome uses the latest Samsung Techwin W5 DSP Chipset, and a Sony Super HAD CCD Image Sensor to produce extremely high quality images of 600TVL horizontal resolution. It has a Japanese 2.8~10mm Auto Iris Lens and the Day/Night capabilities of the camera ensure it can be reliably used in both internal and external surveillance applications.

Image Sensor	1/3" SONY Super HAD CCD
Horizontal Resolution	600TVL
Lens	2.8~10mm Auto Iris
Minimum Illumination	Colour: 0.03 Lux., Sens-up: Auto (4x)
Power	12VDC
Dimensions	112 (Dia) x 83 (H)mm

**Part No.**  
VSXR-608DV



**SECURVIEW™ XR Series**

### Securview XR 1/3" 560TVL Day/Night Wide Dynamic Vandal-Proof Dome

A part of the Securview XR series, the VSXR-601DVW is a high-resolution (560TVL) dome camera. It has a Samsung Techwin SV4 chipset and a Sony 1/3" Interline Transfer CCD imaging sensor. The 2.8~10mm varifocal auto-iris lens allows the camera's field of view to be easily adjusted to suit the current application.

Image Sensor	1/3" Sony Interline Transfer CCD
Horizontal Resolution	560TVL (Colour)/700TVL (B&W)
Lens	2.9~10mm DC Auto Iris
Minimum Illumination	0.3 Lux @ F1.2 (Colour)/0.001 Lux @ F1.2 (Sens Up)
Power	12VDC, 24VAC
Dimensions	150 (W) x 91 (H)mm

**Part No.**  
VSXR-601DVW



## SECURVIEW XR Series

### Securview XR Series W5 DSP Chipset, 600TVL Day/Night Vandal-Proof Dome Camera

The VSXR-681DV Vandal-proof Dome uses the latest Samsung Techwin W5 DSP Chipset, and a Sony Super HAD CCD Image Sensor to produce extremely high quality images of 600TVL horizontal resolution. It has On Screen Menu Display and a Japanese 2.8~10mm Auto Iris Lens. The Day/Night capabilities of the camera ensure it can be reliably used in both internal and external surveillance applications.

The camera has a number of functions designed to increase its performance and functionality, including a Digital Image Stabiliser, Backlight and Highlight compensation, 8 zone privacy masking, dual voltage and an IP66 rated outdoor weatherproof housing.

Image Sensor	1/3" Sony Interline Transfer CCD
Horizontal Resolution	600TVL
Lens	2.8~10mm Auto Iris (Japan)
Minimum Illumination	Colour: 0.05 Lux., 0.0002 Lux (Sens-Up)
Power	12 V / 24VAC
Dimensions	150 x 97mm (WxH)

Part No.	VSXR-681DV
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## SECURVIEW XR Series

### Securview XR Series 580TVL 1/3" Day/Night 30M Infrared Vandal Dome

- Sony 1/3" Color CCD
- High Resolution (up to 580 HTVL)
- 30m Infrared Range
- Dual Voltage
- Low 0.1 Lux. (CDS On B/W Mode : 0.00 Lux.)
- Varifocal Zoom Lens 2.8~12mm (32X Digital Zoom)
- Built-In High Effective IR 30 EA
- Weather-proof (IP66), OSD(On Screen Display)

Image Sensor	1/3" Sony Interline Transfer CCD
Horizontal Resolution	580TVL
Lens	2.8~12 mm DC Auto iris lens (32x Digital Zoom)
Minimum Illumination	Color : 0.1 Lux., ( CDS ON : 0.00 Lux.)
Power	12 V / 24VAC
Dimensions	150 x 97mm (WxH)

Part No.	VSXR-581DVIR
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## SECURVIEW XR Series \* Lens not included

### Securview XR 1/3" 560TVL Day/Night Ultra Wide Dynamic Full Body Camera

The VSXR-600FW is a part of the Securview XR series. It is a high-resolution, wide-dynamic body camera making it ideal for usage in indoor applications or in applications of low or varying light levels. The camera utilises a Samsung Techwin SV4 chipset, producing quality colour images at a resolution (560TVL), higher than other CCTV cameras.

Image Sensor	1/3" Sony Interline Transfer CCD
Horizontal Resolution	560TVL (Colour)/700TVL (B&W)
Lens	N/A
Minimum Illumination	0.3 Lux @ F1.2 (Colour)/0.001 Lux @ F1.2 (Sens Up)
Power	12VDC, 24VAC
Dimensions	61(W) x 55(H) x 104(D)mm

Part No.	VSXR-600FW
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## SECURVIEW XR Series

### Securview XR Series 600TVL 1/3" Day/Night 40M IR Outdoor Camera With External 6~50mm Motorised Lens

The VSXR-4060FIR has an external 6~50mm motorised lens for angle adjustment, it utilises a 1/3" Sony Super HAD CCD image sensor, capable of producing images at a resolution of 600TVL. The camera has a 0.1 Lux colour low light level, and a 0 lux level when the IR LEDs (54 Pcs) are active. The IR LEDs have an operating range of approximately 40m (open air, line of sight).

Image Sensor	1/3" SONY Super HAD
Horizontal Resolution	600TVL
Lens	6~50mm Varifocal Auto Iris
Minimum Illumination	0.1 Lux Colour/0.0001 Lux Sens-Up/0 Lux IR on
Infrared Range	40m
Power	12VDC
Dimensions	88(W) x 95(H) x 124(D)

Part No.	VSXR-4060FIR
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## DOMES CAMERAS (COLOUR)



### Securview 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



### Securview 1/4" Entry Level Dome Camera - 420TVL

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	420 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.  
VSTP101AV



### Watchguard 1/4" Colour Dome Camera - 480TVL

The Securview VSLS-DOME is a cost-effective surveillance solution. The dome camera has a 1/4" pixel CCD image sensor, horizontal resolution of 480TVL, 0.8 Lux minimum illumination, a 3.6mm Board Lens and functions such as Backlight Compensation and Auto White Balance.

Image Sensor	1/4" Pixel CCD
Horizontal Resolution	480 TVL
Lens	3.6mm / F2.0 (optional) Board Lens
Minimum Illumination	0.8 Lux
Power	12V DC
Dimensions	118 (Dia) x 74(Dia)mm

Part No.  
VSLS-DOME



### Securview High Resolution 1/3" Colour IR Dome Camera 520TVL

This is a high resolution (520TVL) IR Dome camera. The 21 IR LEDs have an IR distance of 15M, making the camera day/night operational for 24 Hour surveillance.

Image Sensor	1/3" High Resolution Colour CCD
Horizontal Resolution	520TVL
Lens	F 6.0mm / F2.0
Minimum Illumination	0.3 Lux / F2.0, 0 Lux (IR On)
Power	12VDC
Dimensions	94 (Dia) x 73 (H)mm

Part No.  
VSTP143WIR



**NEW!**

### Securview 1/3" Vari-Focal Dome Camera - 600TVL

Featuring a high resolution of 600TVL, and a high sensitivity in a dark environment (0.05 Lux @ F1.4), this is ideal for a multitude of surveillance applications. The camera includes a 3.8-9.5mm vari-focal lens.

Image Sensor	1/3" color CCD sensor with SONY Effio DSP
Horizontal Resolution	600TVL
Lens	f3.8mm ~ f9.5mm / F1.4
Minimum Illumination	0.05 Lux / F1.4
Power	12VDC
Dimensions	140 (Dia) x 90 (H)mm

Part No.  
VSTP482



**NEW!**

### Watchguard 1/4" Day/ Night 20M IR Vandal Dome Camera - 420TVL

This camera has a High Quality 1/4" SHARP CCD with 420 TVL resolution. It also has Infrared LEDs with an IR range of up to 20m providing a clear picture both Day and Night. The camera's field of view can be easily adjusted utilising the 4.0mm ~ 9.0mm 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!

Image Sensor	1/4" SHARP CCD
Horizontal Resolution	420 TV Lines
Lens	4 - 9 mm Manual Zoom
Minimum Illumination	0 Lux (with IR LED on)
Infrared	20m
Power	12VDC
Dimensions	149(Ø)mm x 99(H)mm

Part No.  
VSLS-DOME20MIR



### Securview 1/3" Day/Night Varifocal 30M IR Dome 540TVL

The VSDVF30MIR is a waterproof IR Dome Camera with a 360° Rotational Vandal Proof mounting bracket. The fully-articulated bracket is able to be rotated 360°, with 180° movement in both horizontal and vertical directions. The vandal proof design of the bracket surrounds the power cable, ensuring that it is protected from environmental damage and vandalism.

Image Sensor	1/3" SONY Colour CCD
Horizontal Resolution	540TVL
Lens	4-9mm Manual Varifocal Lens
Minimum Illumination	0 Lux (IR On)
Power	12VDC
Dimensions	280 x 185 x 160mm (HxWxD)

Part No.  
VSDVF30MIR





## Securview 1/3" Day/Night Varifocal 50M IR Dome Camera - 540TVL

The VSDVF50MIR is a vandal proof dome camera designed for both indoor and outdoor applications. It has a high quality 1/3" Sony Colour CCD image sensor with 540TVL resolution providing a high picture quality. The camera has 54 Infrared LEDs with an IR range 50M maximum, providing a crisp clear picture quality in both day and night conditions. The camera's field of view can be easily adjusted utilising the 6-15mm Vari-Focal Lens. IP55 rated weatherproof.



Image Sensor	1/3" SONY Colour CCD
Horizontal Resolution	540TVL
Lens	6-15mm Manual Varifocal Lens
Minimum Illumination	0 Lux (IR On)
Power	12VDC
Dimensions	150 x 150 x 140mm (WxDxH)

Part No.	VSDVF50MIR
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## Watchguard 1/4" Day/Night Varifocal 30M IR Camera - 420TVL

Ideal for 24hr outdoor monitoring, the VSLS-WVF30MIR4-9 is a cost-effective surveillance method. The camera has a 1/4" Pixel CCD, a horizontal resolution of 420TVL, a minimum illumination of 0 Lux, IP66 water resistance rating and a 4~mm Manual Zoom lens.



Image Sensor	1/4" Pixel CCD
Horizontal Resolution	420 TVL
Lens	4-9mm Manual Zoom Lens
Minimum Illumination	0 Lux/F1.4 (LED ON)
Power	12V DC
Dimensions	200x171x83mm (L x H x D)

Part No.	VSLS-WVF30MIR4-9
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## INFRARED EXTERNAL CAMERAS (COLOUR)



## Securview 1/3" Black Outdoor 3.6mm 15M IR Camera - 480TVL

The VSTP136BIR is an outdoor camera with 15M IR range and 480 TVL. It has 14 in-built IR LEDs, giving the camera high visibility and clarity in both day and night applications. The weatherproof outdoor housing is Standards Approved, rated IP67, and is very easy to install.



Image Sensor	1/3" Colour CCD image sensor
Horizontal Resolution	480 TVL
Lens	f3.6mm@F2.0
Minimum Illumination	0.3 Lux@F2.0, 0 Lux (IR on)
Power	12VDC
Dimensions	116.13(L) x 60(W) x 79.58(H)mm

Part No.	VSTP136BIR
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## Securview 1/3" Day/Night Varifocal 50M IR Camera - 540TVL

The VSWVF50MIR4-9 is a weatherproof IR camera with a 360° rotational vandal proof bracket. The cable management design is built into the bracket, protecting the cable from environmental damage and vandalism. The camera comes with a sun-shield housing and aluminium bracket. The camera has an outdoor IR range of 30M and an indoor range of 50M



Image Sensor	1/3" SONY Super HAD CCD
Horizontal Resolution	540TVL
Lens	4-9mm Manual Vari-Focal Lens
Minimum Illumination	0.1 Lux
Power	12VDC
Dimensions	160 x 100 x 97mm (DxHxW)

Part No.	VSWVF50MIR4-9
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## Watchguard 1/4" Day/Night 20M IR Camera - 480TVL

Designed for outdoor monitoring during the day and night, this 20M IR body camera is a cost-effective surveillance solution. It has a 1/4" Pixel CCD image sensor, horizontal resolution of 480TVL, a 3.6mm board lens and is water-resistant rated IP66.



Image Sensor	1/4" Pixel CCD
Horizontal Resolution	480 TVL
Lens	Board Lens 3.6mm/F2.0
Minimum Illumination	0 Lux/F2.0 (LED ON)
Power	12V DC
Dimensions	128(W) x 90(H) x 70(D)mm

Part No.	VSLS-W20MIR
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## Securview 1/3" Day/Night Varifocal 50M IR Camera - 540TVL

This Vandal-proof IR camera has a high quality 1/3" Sony Super HAD CCD image sensor and a 540TVL resolution. It has 36 IR LEDs, making it ideal for use in day and night applications, and the IP55 rated vandal/water proof housing allows it to be used for indoor or outdoor purposes. The camera has an indoor IR range of 50M, and an outdoor range of 30M. The fully articulated bracket allows for 360° rotation when positioning the camera, making it ideal for a multitude of versatile applications.



Image Sensor	1/3" SONY Super HAD CCD
Horizontal Resolution	540TVL
Lens	9-22mm Manual Varifocal Lens
Minimum Illumination	0 Lux (IR On)
Power	12VDC
Dimensions	160 x 100 x 97 (DxHxW)

Part No.	VSWVF50MIR9-22
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# CCTV SURVEILLANCE PRODUCTS

## BULLET CAMERAS (COLOUR)



**Securview 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.

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



**Securview 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 1/3" 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 9 ~ 22mm Vari-Focal Lens. The durable Aluminium / Weatherproof housing allows it to be used both indoor and out.

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

## PTZ SPEED DOME CAMERAS (COLOUR)



**Securview Internal High-Speed Dome 18 x Optical Zoom**

High resolution 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



**Securview 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

## IP BASED CAMERAS



# High Quality, High Performance!

**NEW!**

### VIP Vision 2.0 Megapixel Vandal Proof Mini D/N Network Dome

- 2 Megapixel vandal-proof mini network dome
- Compact size for discrete installation and monitoring
- H.264/MPEG-4 dual stream real time video compression
- High resolution video preview: 1600 x 1200 pixels
- Day/Night functionality
- Supports PoE Power Supply
- IP66 weatherproof rating
- Internal Microphone

Also available in 2.8mm Lens



<b>Image Sensor</b>	1/3" 2 Megapixel CMOS
<b>Horizontal Resolution</b>	1600(H) x 1200(V)
<b>Supported Resolutions</b>	1600 x 1200, 1280 x 720, 800 x 600, 704 x 576, 640 x 480, 528 x 384, 704 x 288, 352 x 288, 176 x 144
<b>Frame Rate</b>	25fps (704 x 576), 25fps (1280 x 720), 12.5fps (1600 x 1200)
<b>Video Compression</b>	H.264, MPEG-4, MJPEG
<b>Lens</b>	4mm Fixed Iris, F1.2
<b>Min. Illumination</b>	0.5 Lux @ F1.2 Colour; 0.1 Lux @ F1.2 B&W
<b>Dimensions</b>	100(W) x 97(H) x 46.5(D)mm

<b>Part No.</b>	VSIP2MPVDMINI VSIP2MPVDMINI2.8
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**NEW!**

**20M**  
IR Range



### VIP Vision 2.0 Megapixel 20M IR Impact Resistant IP Dome Camera

With a 2MP image sensor, 20M IR Range, MPEG4 dual-stream capabilities and Day/Night operation all housed in an impact-resistant dome, the Securview VSIP2MPVDIR is a high-resolution solution to your indoor and outdoor surveillance needs.

The camera boasts many other features, including:

- Embedded Linux OS.
- TI Davinci Hardware Compression.
- H.264/MPEG4 Video Compression
- High Resolution Video Preview: 1600 x 1200 Pixels.
- Support for HD720/4CIF/DCIF/2CIF/CIF/QCIF Real Time Compression.
- MPEG4 Dual Compression Stream.
- Securview NUUO Compatible
- Internet Browser support for Network Preview.
- Watermark function
- Day/Night Function with ICR and IR
- IP66 Vandal Resistant Housing

<b>Image Sensor</b>	2.0 Megapixel 1/3" CMOS Sensor
<b>Horizontal Resolution</b>	1600 (H) x 1200 (V)
<b>Min. Illumination</b>	0.5 Lux @ F1.2
<b>Supported Resolutions</b>	1600 x 1200, 1280 x 720, 800 x 600, 704 x 576, 640 x 480, 528 x 384, 704 x 288, 352 x 288, 176 x 144
<b>Frame Rate</b>	25fps(704x576), 25fps(1280x720), 12.5fps(1600 x 912) 12.5fps(1600x1200)
<b>Video Compression</b>	MPEG-4 (Dual Stream Supported) / H.264
<b>Dimensions</b>	156 (Dia) x 135mm

<b>Part No.</b>	VSIP2MPVDIRv2
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### VIP Vision 2.0 Megapixel IP Full Body Camera

- Embedded Linux OS
- TI Davinci Hardware Compression.
- H.264 dual stream video compression
- 1 Channel Audio Compression.
- High Resolution Video Preview: 1600 x 1200 pixels.
- Supports HD720/4CIF/DCIF/2CIF/CIF/QCIF Real Time Compression.
- Supports Dual Stream Compression.
- Supported protocols: TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP
- Support E-PTZ Function.
- Supports Sensor Alarm Input and Relay Output.
- Supports Network Voice Talk Function.



\* Lens not included

<b>Image Sensor</b>	2.0 Megapixel 1/3" CMOS Sensor
<b>Horizontal Resolution</b>	1600 (H) x 1200 (V)
<b>Min. Illumination</b>	0.5 Lux @ F1.2
<b>Supported Resolutions</b>	1600x1200, 1280x720, 800x600, 704x576, 640x480, 528x384, 704x288, 352x288, 176x144
<b>Frame Rate</b>	25fps(704x576), 25fps(1280x720), 12.5fps(1600 x1200)
<b>Video Compression</b>	MPEG-4 (Supports Dual Stream)
<b>Dimensions</b>	69 x 63mm x 157.5mm

<b>Part No.</b>	VSIP2MPFB
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**NEW!**

**PTZ**  
Camera



### VIP Vision 1.3 Megapixel Network High-definition Speed Dome

#### Network function:

- H.264 video compression and the latest Davinci processing chip and platform
- Ethernet control and analog signal output
- View and control of video images via IE browser and client software
- SDHC card and SD card
- Dual stream technology
- Multiple network protocols supported: TCP/IP, HTTP, DHCP, DNS, RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP addible)
- 1 audio input and 1 audio output

#### PTZ function:

- 360° endless pan range and -5°-90° tilt range
- 8 patrols, each patrol up to 32 presets
- 4 patterns, with the total recording time not less than 10 min
- Proportional zoom function, with rotation speed adjusted automatically according to zoom multiples
- 1 alarm inputs and 1 alarm outputs, providing alarm response actions of preset/ patrol/ pattern/ SD card recording/ relay output / notification on client

<b>Image Sensor</b>	1.3 Megapixel 1/3" Sony Progressive Scan CCD
<b>Horizontal Resolution</b>	1280(H)x960(V)
<b>Min. Illumination</b>	0.1Lux/F1.6(Color), 0.01Lux/F1.6(B/W)
<b>Frame Rate</b>	12.5fps(1280x960), 25 fps (1280x720), 25 fps (640x480)
<b>Video Compression</b>	H.264 and the latest Davinci processing chip
<b>Dimensions</b>	243(mm)x287(mm)

<b>Part No.</b>	VSIP1MPPTZ
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# CCTV SURVEILLANCE PRODUCTS

## PTZ ACCESSORIES



### 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 & decoder
- Up to 128 preset positions and 6 cruising tracks
- Manual or automatic camera controller
- Manual control of focus, zoom & 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



### CCTV Warning Sign Corflute A3 Size

A3 sized (420 x 297mm) CCTV Warning Sign, designed for display in a prominent position to act as a deterrent to would-be criminals. The sign is weatherproof and UV resistant.

Part No.  
VSCDCC



### CCTV Warning Stickers (4 pack) A4 Size

Pack includes 4 A4 sized CCTV Warning Stickers. 2 x Rear Adhesive Stickers for use on flat surfaces 2 x Front Adhesive Stickers for use on interior windows

Part No.  
VSCDSC

## CAMERA TEST EQUIPMENT



### 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 Compliant
- No more hand phone call charges, weak walkie-talkie signal or need for a second person to assist positioning and trouble shooting camera

Part No.  
VSCAMTESTER

## ANALOGUE 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

## MEGAPIXEL IP CAMERA LENSES

### Securview Megapixel Lenses

Available in:  
- 6~12mm Varifocal Manual Iris 3MP Lens, 1/2"

**Part No.**  
VSLM6-12MM-MP3

### Arecont Megapixel Lenses

Available in:  
- 4mm Fixed Lens, Fixed Iris 1.3MP Lens, 1/2", F2.0  
- 8mm Fixed Lens, Fixed Iris 1.3MP Lens, 1/2", F2.0  
- 4~10mm Varifocal Manual Iris 1.3MP Lens, 1/2", F1.8  
- 4~10mm Varifocal Auto Iris 5MP Lens, 1/2" IR Corrected F1.6  
- 4.5~10mm Varifocal Manual Iris 5MP Lens, 1/2" IR Corrected F1.6  
- 8~16mm Varifocal DC Auto Iris 5MP Lens, 1/2" F1.6 IR  
- 8~16mm Varifocal Manual Iris 5MP Lens, 1/2" Ir Corrected F1.6

**Part No.**  
VSLM-AV4MP1  
VSLM-AV8MP1  
VSLM-AV4-10MP1  
VSLA-AV4-10MP5  
VSLM-AV4.5-10MP5  
VSLA-AV8-16MP5  
VSLM-AV8-16MP5

### Computar Megapixel Lenses

Available in:  
- 4~8mm Varifocal Manual Iris MP Lens, 1/2", F1.4  
- 4~8mm Varifocal Auto Iris MP Lens, 1/2", F1.4  
- 12~36mm Varifocal Manual Iris MP Lens, 2/3", F1.4  
- 25mm Manual Iris MP Lens, 2/3" F1.4  
- 50mm Manual Iris MP Lens, 2/3" F1.8

**Part No.**  
VSLM-CT4-8MP1  
VSLA-CT4-8MP1  
VSLM-CT12-36MP1  
VSLM-CT25MP1  
VSLM-CT50MP1

### Fujinon Megapixel Lenses

Available in:  
- 9mm 1.5 MP, Manual Iris Lens, 2/3", F1.4  
- 12.5mm 1.5 MP, Manual Iris Lens, 2/3", F1.4  
- 16mm 1.5 MP, Manual Iris Lens, 2/3", F1.4  
- 25mm 1.5 MP, Manual Iris Lens, 2/3", F1.4  
- 3MP 3.8~13mm Manual Iris Lens, 1/2" F1.4

**Part No.**  
VSLM-FJ9MP1.5  
VSLM-FJ12.5MP1.5  
VSLM-FJ16MP1.5  
VSLM-FJ25MP1.5  
VSLM-FJ3.8-13MP3

### Tamron Megapixel Lenses

Available in:  
- 3MP 4~12mm Varifocal 1/2" Lens, F1.4, Auto Iris  
- 3MP 5~50mm Varifocal, 1/3" Lens, F1.4, Auto Iris  
- 3MP 25mm Manual Iris Lens, 1/1.8", F1.4

**Part No.**  
VSLA-TM4-12MP3  
VSLA-TM5-50MP3  
VSLM-TM25MP3

## 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 aluminum 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 & Tilt Short Metal Camera Bracket - 100(L)mm

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

Part No.  
VSCA11



### Generic Pole Bracket

- Allows camera mounting on poles with adjustable fixing bands

Part No.  
VS15-CD04BV



### Swivel & Tilt Plastic Camera Bracket - 150(L)mm

- Swivel & 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 & 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 1280 x 1024 @ 60Hz  
- Allows Use of Cost Effective PC / VGA Monitors with DVRs  
- Includes 5VDC Power Supply

Part No.

VID2VGA



## Audio Microphone with Pre-Amp

- Add-on mini audio microphone, for all cameras that require an audio function  
- The microphone is designed to be mounted next to the camera.

Features:

- High sensitivity microphone  
- Audio output 2Vp-p (max)  
- Power requirement 12VDC @ 10mA

Part No.

VSAMICV2

## Inline Add-on Audio Microphone



- Inline Add-on Mini Audio Box  
- Designed for use on all cameras  
- Connect directly to the camera and monitor/DVR

Features

- High sensitivity microphone  
- Audio output 2Vp-p (max)  
- Power requirement 12VDC @ 10mA  
- Dimension 48 x 15 x 9mm (audio box)

Part No.

VSAMICINLINE

# CCTV SURVEILLANCE PRODUCTS

## STAND ALONE DIGITAL VIDEO RECORDER



### Watchguard Series DVRs

The Watchguard Range of Standalone DVRs are ideal for use in a home or small business, where the owner is after a high quality Digital Video Recorder with entry level functions. The DVRs all utilise H.264 Video Compression technology, multiple backup methods and a user friendly On-Screen Display (OSD). The OSD can be easily navigated by the user via the front of the DVR panel, operated wirelessly using the included IR remote control or by connecting the USB mouse. Recorded video footage and images can be easily and quickly searched and viewed on the DVR. The DVRs all support smart-phone mobile surveillance on many popular mobile platforms. Supported platforms include the iPhone, BlackBerry & Windows Mobile. Remotely accessing the DVR through a network is supported via the licensed software "Video Viewer" and a supported internet browser. The DVRs are compatible with Internet Explorer, Mozilla Firefox and Google Chrome web browsers.

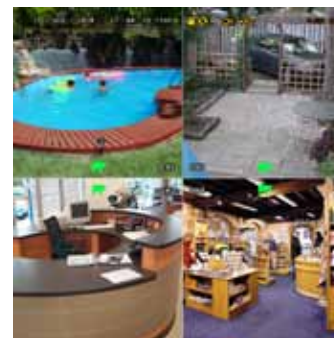
- H.264 video compression technology
- Resolutions: 704x576, 704x288, 352x288
- USB mouse control
- Intelligent motion recording
- Remote / mobile surveillance
- Live, record, playback, backup and network operation at the same time
- DVD\*/USB & Network backup

\* DVD Backup only available on DVRWG8ES and DVRWG16ES. 4 channel machine supports only 1 HDD.



## WATCH ON YOUR MOBILE!

The DVR is capable of offering mobile surveillance via many popular mobile platforms, supporting popular models such as iPhone, BlackBerry, WinCE, J2ME & Android.



## Network surveillance

Network surveillance can be accessed via the licensed software "Video Viewer" or through a web browser. The DVRs support Internet Explorer, Mozilla Firefox and Google Chrome web browsers.



Logos and trademarks are the property of their respective owners.

### Watchguard 4 Channel H.264 DVR 25fps @ 704x576

Video Compression Format	H.264
Recording Resolutions	704 x 576, 704x288, 352x288
Max. Recording Frame Rate	100FPS Global
Max. Display Frame Rate	100FPS 'Real - Time Display'
Backup Methods	Network Remote & USB Backup.
Hard Drive Bays	1 x SATA HDD (1TB Capacity)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

Part No.	DVR4CHSOV6H264
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**Watchguard 8 Channel H.264 DVR 50fps @ 704x576**

Video Compression Format	H.264
Recording Resolutions	704x576, 704x288, 352x288
Max. Recording Frame Rate	200FPS Global
Max. Display Frame Rate	200FPS 'Real - Time Display'
Backup Methods	Network Remote & USB Backup.
Hard Drive Bays	2 x SATA HDD (1TB Capacity)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

<b>Part No.</b>	DVR8CHSOV6H264
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**Watchguard 8 Channel H.264 DVR 50fps @ 704x576**

Video Compression Format	H.264
Recording Resolutions	704 x 576(50fps), 704 x 288 (100fps), 352 x 288(200fps)
Max. Recording Frame Rate	200FPS Global
Max. Display Frame Rate	200FPS 'Real - Time Display'
Backup Methods	DVD/ Network Remote & USB Backup.
Hard Drive Bays	2 x SATA HDD (1TB Capacity)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

<b>Part No.</b>	DVRWG8ES
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**Watchguard 16 Channel H.264 DVR 100fps @ 704x576**

Video Compression Format	H.264
Recording Resolutions	704 x 576 , 352 x 288
Max. Recording Frame Rate	400FPS Global
Max. Display Frame Rate	400FPS 'Real - Time Display'
Backup Methods	Network Remote & USB Backup.
Hard Drive Bays	2 x SATA HDD (2TB Capacity)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

<b>Part No.</b>	DVR16CHSOV6H264
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**Watchguard 16 Channel H.264 DVR 100fps @ 704x576**

Video Compression Format	H.264
Recording Resolutions	704 x 576 , 352 x 288
Max. Recording Frame Rate	400FPS Global
Max. Display Frame Rate	400FPS 'Real - Time Display'
Backup Methods	Network Remote & USB Backup.
Hard Drive Bays	2 x SATA HDD (2TB Capacity)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

<b>Part No.</b>	DVRWG16ES
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# CCTV SURVEILLANCE PRODUCTS

## CCTV PACKAGE



### Watchguard Complete 4 Channel Watchguard H.264 DVR with 1TB Hard Drive and Camera Kit

Utilising the latest H.264 video compression technology, the Watchguard DVR4ENTPACK4 complete surveillance package is ideal for a home or small business wanting to set up a digital surveillance system with network and remote access.

#### PACKAGE INCLUDED:

- 1 x 4 Channel H.264 DVR with 1 TB Hard Drive
- 4 x Day / Night camera (10m IR range)
- 4 x Camera Connection Cables
- 2 x Switch Mode Low Voltage Power Supplies
- 4 x Highly Visible UV Resistant Window Warning Stickers
- 1 x Monitor Connection Cable
- 1 x Network Cable (Optional Use)
- 1 x Power Split Cable



#### DVR SPECIFICATION

Video Compression Format	H.264
Recording Resolutions	704 x 576, 704x288, 352x288
Max. Recording Frame Rate	100FPS Global
Max. Display Frame Rate	100FPS 'Real - Time Display'
Backup Methods	Network Remote & USB Backup.
Hard Drive Bays	1 x SATA HDD (1TB Capacity)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

#### CAMERA SPECIFICATION

Image Sensor	1/4" Pixel CCD
Horizontal Resolution	480 TVL
Lens	f3.6mm@F2.0
Minimum Illumination	0 Lux (IR on)
Power	12VDC
Dimensions	56(L) x 76(W) x 65(H)mm



Part No.  
DVR4ENTPACK4



### Watchguard Complete 8 Channel Watchguard H.264 DVR with 1TB Hard Drive and Camera Kit

Utilising the latest H.264 video compression technology, the Watchguard DVR8ENTPACK complete surveillance package is ideal for a home or small business wanting to set up a digital surveillance system with network and remote access.

#### PACKAGE INCLUDED:

- 1 x 8 Channel H.264 DVR with 1TB Hard Drive
- 4 x Colour Dome Cameras
- 4 x Day / Night camera (10m IR range)
- 1 x USB Mouse
- 8 x Camera Connection Cables
- 2 x Switch Mode Low Voltage Power Supplies
- 4 x Highly Visible UV Resistant Window Warning Stickers
- 1 x Monitor Connection Cable
- 1 x Network Cable (Optional Use)
- 2 x Power Split Cable



#### DVR SPECIFICATION

Video Compression Format	H.264
Recording Resolutions	352x288
Max. Recording Frame Rate	200FPS Global
Max. Display Frame Rate	200FPS 'Real - Time Display'
Backup Methods	Network Remote & USB Backup.
Hard Drive Bays	1 x SATA HDD (1TB Capacity)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

#### IR CAMERA SPECIFICATION

Image Sensor	1/4" Pixel CCD
Horizontal Resolution	480 TVL
Lens	f3.6mm@F2.0
Minimum Illumination	0 Lux (IR on)
Power	12VDC
Dimensions	56(L) x 76(W) x 65(H)mm

#### DOME CAMERA SPEC.

Image Sensor	1/4" Pixel CCD
Horizontal Resolution	480 TVL
Lens	3.6mm / F2.0 (optional) Board Lens
Minimum Illumination	0.8 Lux
Power	12V DC
Dimensions	118 (Dia) x 74(Dia)mm

Part No.  
DVR8ENTPACK

## SECURVIEW™

### THE PREMIUM DVR

Introducing the Securview 100H Series of professional standalone Digital Video Recorders. These DVRs feature state-of-the-art H.264 video compression, smart-phone mobile surveillance support, multiple backup methods, advanced video motion detection, support for USB mouse control as well as a number of other premium features which make the 100H series great value for money. A key feature is the included Central Management Software (CMS) that allows multiple DVRs from multiple sites to be remotely viewed at the same time on the same screen. These DVRs are ideal for mid to large level surveillance applications, and their user-friendly GUI, front panel operation and intelligent CMS software make them an accessible and affordable DVR solution.

- H.264 compression
- Realtime recording at CIF
- Multiplex performance
- Dual stream capabilities
- User friendly GUI
- Advanced CMS software
- USB Mouse Control
- S.M.A.R.T: Self Monitoring Analysis and Reporting Technology
- Rackmountable 19" chassis
- Mobile Surveillance: WinMo/Android/iPhone



The DVRs are capable of offering mobile surveillance via many popular mobile platforms, supporting popular models such as iPhone, BlackBerry, Windows Mobile, & Symbian.



8 CHANNEL



#### Securview 8 Channel H.264 DVR 50fps @ 704x576

Video Compression Format	H.264
Recording Resolutions	704X576
Max. Recording Frame Rate	200FPS Global
Max. Display Frame Rate	100FPS @ H.D1
Backup Methods	DVD / Network Remote & USB
Hard Drive Bays	SATA HDD (Up to 2+1)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

Part No.  
DVRVIEW8100H



4 CHANNEL



#### Securview 4 Channel H.264 DVR 50fps @ 704x576

Video Compression Format	H.264
Recording Resolutions	704X576
Max. Recording Frame Rate	100FPS Global
Max. Display Frame Rate	100FPS @ H.D1
Backup Methods	DVD / Network Remote & USB
Hard Drive Bays	SATA HDD (Up to 2+1)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

Part No.  
DVRVIEW4100H



16 CHANNEL



#### Securview 16 Channel H.264 DVR 100fps @ 704x576

Video Compression Format	H.264
Recording Resolutions	704X576
Max. Recording Frame Rate	400FPS Global
Max. Display Frame Rate	200FPS @ H.D1
Backup Methods	DVD / Network Remote & USB
Hard Drive Bays	SATA HDD (Up to 2+1)
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

Part No.  
DVRVIEW16100H

# CCTV SURVEILLANCE PRODUCTS

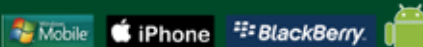
## THE PROFESSIONAL DVR

This DVR's main highlight is its ability to record all 16 channels at 25FPS (real-time) in D1 (704 x 576) resolution. This is like saying it could record 16 different TV channels simultaneously, all at DVD quality. It would be an ideal choice for a retail store environment wishing to capture full cash register & customer activity. Apart from its high speed, high resolution recording there is also an inbuilt point of sale (POS) interface - allowing you to connect a cash register and then overlay the sale transaction data to the matching CCTV camera. You can even search for video from the saved POS text. This DVR also supports mobile surveillance, allowing monitoring of your cameras on compatible devices - such as iPhone, Blackberry, Windows Mobile, and Android Devices. The included CMS Software allows you to remotely monitor and manage multiple store sites on your network via one PC screen. The DVR is housed in a standard 19" rack mountable chassis, allowing it to be installed alongside your existing business rack mounted servers etc. There is provision to install up to 4 x 2 TB HDD's internally, with additional support for external storage. Overall this is an excellent choice if your budget doesn't quite stretch to our Ultimate Series DVR, or if you have a mixture of DVRSVIEW4/8/16100H machines also being utilised across your store network.

- H.264 compression
- Outstanding video quality: 16CH at 25FPS at D1 (704 x 576)
- Dual streaming capability (record in high res, remote view in low res)
- Advanced CMS software: centrally view / manage multiple sites
- S.M.A.R.T: Self Monitoring Analysis and Reporting Technology
- 19" rack mountable chassis
- USB mouse control



The DVR supports mobile surveillance via many popular mobile platforms. Supported models are iPhone, Blackberry, Windows Mobile & Android devices.



### Securview 16 Channel H.264 DVR 400fps @ 704x576

Video Compression Format	H.264
Recording Resolutions	704X576
Max. Recording Frame Rate	400FPS Global
Max. Display Frame Rate	400FPS @ H.D1
Backup Methods	DVD / Network Remote & USB
Hard Drive Bays	Up to 4 SATA HDDs
Network Functionality	Live Monitoring, Remote Playback, File Backup, Remote Configuration

Part No.  
DVRSVIEW16400H

## THE ULTIMATE HYBRID DVR NVR

The SECURVIEW™ Ultimate Hybrid DVR is a state-of-the-art 24 Channel Real-Time DVR. This high performance standalone DVR can capture 16 analogue cameras @ 400 frames per second at full D1 resolution. It can also record up to 8 Megapixel IP cameras. The DVR boasts incredible performance and ease of use, with a world-class graphical user interface, ultra reliable embedded Linux operating system, full remote viewing capability and multiple backup options.

You are looking at the best value real-time DVR available in Australia. The DVR has HDMI monitor support (ideal when connecting to a large LCD monitor / TV), Gigabit LAN, enhanced multi-layered motion detection with individual sensitivity settings, support for up to 8 SATA HDD's, and much more...

We dare you to compare this machine against any other premium brand standalone DVR on the market. You will not be disappointed.

- Digital zoom function during preview and playback
- H.264 video compression
- Full HD (1080P)/HDMI video output
- Multi-layer motion detection with individual sensitivity settings
- USB, DVD-R, network backup
- Supports up to 8 hard drives
- Harddrive status & diagnostic display
- Stylish case design
- RS485 PTZ control
- 2RU 19" rack mountable
- User friendly software



The DVR supports mobile surveillance via many popular mobile platforms. Supported models are iPhone, Blackberry, Windows Mobile & Android devices.



UP TO 24 CHANNEL  
Analogue and IP  
see table below



NEW!

### Securview 24 Channel Hybrid DVR (16 + 8)

Model	Analogue Cameras		IP Cameras	
	Channels	Resolution	Channels	Resolution
HDVR-9008	8	704 x 576	8	704 x 576
	8	704 x 576	4	1280 x 720
HDVR-9016	16	704 x 576	8	704 x 576
	16	704 x 576	4	1280 x 720
	8	704 x 576	16	704 x 576
	8	704 x 576	8	1280 x 720

Part No.  
HDVR-9008  
HDVR-9016

## VIP VISION HYBRID DVRs & NVRs



**Analogue  
DVRs**

**NEW!**

### VIP Vision 16 / 32 Channel Analogue DVRs

- >> 100/400/800FPS @ D1
- >> H.264 IMAGE COMPRESSION
- >> OPTIONAL POS AND I/O DEVICE INTEGRATION
- >> GUI RECORDING SCHEDULE
- >> INTELLIGENT VIDEO ANALYTIC FUNCTIONS

The 3000 and 7000 Series are the ideal products to use as an analogue solution for a new surveillance system or for upgrading a smaller scale analogue surveillance system.

The DVR interface has been designed for easy user interaction, and the system software contains many intelligent features which set the VIP Vision systems apart from competitor products. These intelligent video analytic features include dual monitor display for simultaneous real time audio/visual display, playback and monitoring, POS and I/O integration for more effective system expansion and instant response functions to ensure that your system alerts you when an event occurs.

The 4, 8 and 16 Channel machines all utilise a high resolution H.264 capture card, allowing the machine to capture and display images at D1 resolution. The system is housed in a 19" 3RU Rackmount case for easy storage and operation.



Model	DVR3016	DVR7016	DVR7032
Video Input	16 Cameras	16 Cameras	32 Cameras
Audio Input	4 Channels	16 Channels	32 Channels
Display Rate	100FPS	400FPS	800FPS
Recording Rate	100FPS @ D1	400FPS @ D1	800FPS @ D1
Video Resolution	352 x 288; 704 x 576	352 x 288; 704 x 576	352 x 288; 704 x 576
Compression	H.264 MPEG4	H.264 MPEG4	H.264 MPEG4

Part No.	
DVR3016	(3000 Series)
DVR7016	(7000 Series)
DVR7032	(7000 Series)



**Hybrid  
NVRs**

**NEW!**

### VIP Vision 16 Channel Hybrid NVR Systems

- >> 400FPS @ D1 (ANALOGUE)
- >> H.264 IMAGE COMPRESSION
- >> INCLUDES ANALYTIC SOFTWARE
- >> OPTIONAL POS AND I/O DEVICE INTEGRATION

- Max. analogue recording rates of 400FPS @ D1 resolution
- Inbuilt High-Performance Analytic Software
- Features H.264 Hardware Compression
- Intelligent search in 5 ways
- Instant playback control
- POS and I/O device integration
- GUI recording schedule
- Supported by VIP Vision Central Management Software
- Instant Response alerts you when alarm events occur
- Intelligent Video Analysis Functions including General Motion, Missing Object, Camera Occlusion, Foreign Object, Lose Focus and Signal Loss



Model	HDVR1604	HDVR1608	HDVR1616
Analogue Video Input	16 Cameras	16 Cameras	16 Cameras
Analogue Audio Input	16 Cameras	16 Cameras	16 Cameras
IP Video Input	4 Cameras	8 Cameras	16 Cameras
Analogue Display Rate	400FPS	400FPS	400FPS
Analogue Recording	400FPS @ D1	400FPS @ D1	400FPS @ D1

Part No.	
HDVR1604	(16CH Hybrid + 4 IP) Licences
HDVR1608	(16CH Hybrid + 8 IP) Licences
HDVR1616	(16CH Hybrid + 16 IP) Licences

## VIP VISION NVR SOLUTIONS



**NEW!**

### VIP Vision 4/ 8/ 16/ 24 Channel IP NVR SYSTEMS

- >> H.264 IMAGE COMPRESSION
- >> INCLUDES ANALYTIC SOFTWARE
- >> COMPATIBLE WITH IP CAMERAS FROM LEADING MANUFACTURERS SUCH AS SECURVIEW, SAMSUNG, ARECONT VISION AND ACTI:

Our IP-Based NVRs are available in three configurations:

- IP NVR with 4 IP Licenses
- IP NVR with 8 IP Licenses
- IP NVR with 16 IP Licenses

No matter the size or application, the VIP Vision range of IP NVRs are the ideal scalable surveillance system solutions. Like all the VIP Vision products, the IP NVRs utilise the high quality VIP Vision interface and Video Analytic software, which contains many intelligent features which help set the systems apart from competitor products. These features include dual monitor display for simultaneous real time audio/visual display and playback, the ability to manage up to 64 cameras simultaneously with the VIP Vision CMS<sup>2</sup>, optional POS and I/O integration for more effective system expansion and instant response functions to ensure that your system alerts you when an event occurs.

- Inbuilt High-Performance Analytic Software
- Features H.264 Hardware Compression
- Intelligent search in 5 ways
- Instant playback control
- Optional POS and I/O device integration
- GUI recording schedule
- Supported by VIP Vision Central Management Software
- Instant Response alerts you when alarm events occur
- Intelligent Video Analytic Functions: General Motion, Missing Object, Camera Occlusion, Foreign Object, Lose Focus and Signal Loss
- Compatible with a wide range of IP cameras from leading manufacturers, including Securview, Samsung, Arecont Vision and Acti
- Dual monitor display

#### Part No.

NVR04  
NVR08  
NVR16  
NVR24

### VIP Vision Central Management System Server Software with 4 Clients Software

The VIP Vision NVR-Based Central Management System (CMS) is a powerful piece of server software, and is the best solution for large-scale and high level enterprise projects. The CMS allows you to manage all of the installed VIP Vision based systems from multiple sites. It supports all the VIP Vision product lines including the NVR Analogue and IP Kits and the NVRmini. The VIP Vision CMS supports unlimited cameras, servers and users. It has a powerful alarm management system and can control unlimited matrix viewing consoles in the centralized control room.

### How It Works

The VIP Vision NVR CMS brings the traditional CMS system outside of the control room through internet access. Network based key operation systems can manage unlimited combinations of analogue and IP cameras, located worldwide, and operate them simultaneously via unlimited working stations. (Each working station requires its own client software)

#### FEATURES

- Authentic client-server architecture
- Centralised video management
- Advanced GUI alarm management
- Supports unlimited servers, cameras, I/O devices and POS
- Unlimited layers of E-Map
- Instant live-view and playback
- Unlimited display matrices for remote live view with PTZ and joystick control
- Supports H.264, MPEG4 and MJPEG compression
- Supports IP, Analogue, Megapixel cameras and video servers
- Supports audio from camera microphone inputs
- Alarm status, data mining and reporting function
- Remote backup

#### Part No.

NUUO-SERVERSW includes 4 Client Softwares.  
NUUO-CLIENTSW individual Client Softwares.

<sup>2</sup> CMS Sold Separately

## VIP VISION NVR ACCESSORIES



### VIP VISION USB to RS232/422/485 Converter

External USB to RS232/422/485 converter.

Part No.  
NVR-C08



### VIP VISION 16 Channel Digital Input RS485 Module

16 Channel external digital input module for a VIP VISION DVR or NVR. Product requires NUUO-C08 for operation.

Part No.  
NVR-C26



### VIP VISION 16 Channel Digital Output RS485 Module

16 Channel external digital output module for a VIP VISION DVR or NVR. Product requires NUUO-C08 for operation.

Part No.  
NVR-C28



### VIP VISION POS Converter - Inserter

External POS Converter for VIP VISION DVR and NVR. Can interface with POS/Cash Registers

Part No.  
NVR-C31



### VIP VISION 4 Port I/O Card (Alarms and Relays) Device with RS485 Port

This is an internal 4 Channel Alarm In, Alarm Relay Out device for a Securview VIP VISION DVR or NVR.

Part No.  
NVR-G3IO



### Additional IP Camera Licenses

These sets of IP Camera Licenses are available in 1, 4, 8, 12, 16, 25, 32, 36, quantities. IP licenses are only for use with the Hybrid Base Kit.

Part No.	Part No.
NVR-IP01	NVR-IP16
NVR-IP04	NVR-IP25
NVR-IP08	NVR-IP32
NVR-IP12	NVR-IP36



**NEW!**

### VIP VISION Digital Video Server

- High performance DSP hardware compression
- H.264 video compression
- Dual streams
- Support variable bit rate and frame rate
- Embedded Linux OS

Part No.  
VSIPENCODER



### High Capacity Additional Network Attached Storage in 16 Bay 3RU Case

Designed to be used as additional high capacity storage for your NVR.  
- Includes 500W PSU

\*Does not include a hard drive\*

Part No.  
DVRNAS3RU16B



# ADVANCED NVR Series

## ADVANCED HYBRID VIDEO SURVEILLANCE SOLUTIONS

**How does a CCTV system which can provide images TWICE the quality of Blu-ray video sound? How about an infinitely scalable system with the highest level of integrated support for IP Cameras, Access Control and Retail Analytics from industry leading brands?**

The *VIP Vision Advanced NVR Series* represent the leading edge of Analogue, Hybrid, IP and Megapixel IP video surveillance solutions. *VIP Vision Advanced NVR* has been designed in the USA as a complete multi-platform security solution capable of recording all formats on one dedicated server platform. The system can seamlessly integrate analogue, IP and Megapixel IP cameras without the need for converters or external software. The software supports individual configuration of the cameras, allowing each camera to record at it's own resolution using the specified compression format! (MPEG4, MJPEG, H.264) Each *VIP Vision Advanced NVR* can support from 4-32 Analogue cameras like any normal DVR.

The *VIP Vision Advanced Server* can be supplied in two formats - Windows or Linux. The client software is pre-installed on the server, and can be installed and utilised on as many client related PCs as required. For greater accessibility, the client software is available in three formats; Windows, Linux or Mac.

### Main Features

- Configure any combination of Analogue/IP/IP Megapixel Cameras
- Support for industry leading brands of IP Cameras, Access Control systems and Retail Analytics
- Advanced Searching & Zoom Functions in both Live View and Playback
- Mobile Surveillance! Monitor your cameras on your mobile phone



### Full Product Compatibility List:

#### Retail Analytics

- Micros XBR Retail
- Sensormatic

#### Video Analytics

- IO Image
- Viasys

#### iSCSI Storage

- AC&NC
- DNF Security
- Intransa
- Pivot3
- Scale

#### Access Control

- Cardax
- DSX
- ICT
- IDenticard
- Keyscan
- Lenel
- Maxxess
- Paxton Access
- PCSC
- RS2 Technologies
- S2 Security

#### Wireless Networking

- Firetide
- Hautespot

Support for leading Access Control brands such as



#### 1 Channel VIP Vision IP License

- Single Channel License for Securview Exacqvision NVRs

Part No.  
DVREXACQLIC

<sup>2</sup> Upgradable to 2 x 2 TB

<sup>3</sup> Analogue Max. D1 / IP Mega Pixel Recording Rate is camera dependent



## Playback Zooming



16  
CHANNEL

Advanced  
NVR System



## Live View Zooming



32  
CHANNEL

Advanced  
NVR System



**NEW!**

### VIP Vision Advanced 16 Channel Hybrid Network DVR

The VIP Vision Advanced Network DVR is a hybrid digital video recorder designed for advanced CCTV security and surveillance applications. It provides seamless integration and recording of both analogue and IP megapixel cameras. The powerful, yet easy to operate client user interface installs on any standard computer running Windows, Linux or Mac OS X and can connect to multiple VIP Vision Advanced Hybrid and IP camera servers creating a virtually unlimited amount of cameras and protection. Video from all VIP Vision Advanced systems can also be accessed with web browsers and mobile devices with access to the internet.

#### Main Features:

- 24 Input - 16 Analogue/8 IP
- Seamless management of analog and IP cameras from client interface
- Simple and cost effective to add additional IP camera licenses
- Supports latest IP camera technology including multi-megapixel cameras and H.264 compression
- Digital PTZ functionality on all cameras (analogue and IP) in live and recorded
- Intuitive user interface requires little to no training
- Common client connects to multiple VIP Vision Advanced servers to create scalable networks
- Easy-to-use, powerful video and audio export features
- Multi-monitor client display. Drag and drop cameras between monitors
- MPEG4, Motion JPEG and H.264 video compression
- Graphical search display for all cameras and recorded audio
- Easy-to-use multi-camera playback and export
- Definable user permissions and privileges
- Access video with most web browsers and mobile devices with internet access
- Wide-screen client views
- Smart Search

Video Compression Format	MPEG4 , H.264, MJPEG
Recording Resolutions	CIF/2CIF/D1 + Megapixel <sup>3</sup>
Analogue Record Rate	Real time @ CIF
IP Camera Record Rate	Camera dependant
Analogue Camera Inputs	16
IP Camera Inputs	8
Hard Drive Size	320GB <sup>2</sup>

Part No.  
DVREXACQ16CHPRO

**NEW!**

### VIP Vision Advanced 32 Channel Hybrid Network DVR

The VIP Vision Advanced Network DVR is a hybrid digital video recorder designed for advanced CCTV security and surveillance applications. It provides seamless integration and recording of both analogue and IP megapixel cameras. The powerful, yet easy to operate client user interface installs on any standard computer running Windows, Linux or Mac OS X and can connect to multiple VIP Vision Advanced Hybrid and IP camera servers creating a virtually unlimited amount of cameras and protection. Video from all VIP Vision Advanced systems can also be accessed with web browsers and mobile devices with access to the internet.

#### Main Features:

- 40 Input - 32 Analogue/ 8 IP
- Seamless management of analog and IP cameras from client interface
- Simple and cost effective to add additional IP camera licenses
- Supports latest IP camera technology including multi-megapixel cameras and H.264 compression
- Digital PTZ functionality on all cameras (analogue and IP) in live and recorded
- Intuitive user interface requires little to no training
- Common client connects to multiple VIP Vision Advanced servers to create scalable networks
- Easy-to-use, powerful video and audio export features
- Multi-monitor client display. Drag and drop cameras between monitors
- MPEG4, Motion JPEG and H.264 video compression
- Graphical search display for all cameras and recorded audio
- Easy-to-use multi-camera playback and export
- Definable user permissions and privileges
- Access video with most web browsers and mobile devices with internet access
- Wide-screen client views
- Smart Search

Video Compression Format	MPEG4 , H.264, MJPEG
Recording Resolutions	CIF/2CIF/D1 + Megapixel <sup>3</sup>
Analogue Record Rate	Real time @ CIF
IP Camera Record Rate	Camera dependant
Analogue Camera Inputs	32
IP Camera Inputs	8
Hard Drive Size	320GB <sup>2</sup>

Part No.  
DVREXACQ32CHPRO

## COMPLETE NVR KIT

### 2 MEGAPIXEL Mini VIDEO SURVEILLANCE SYSTEMS



**NEW!**

#### VIP Vision Complete High Definition 4 Camera NVR Pack with 2 Megapixel Mini Domes

**Key Features:**

- Stand alone PC server platform
- IP based megapixel solution
- Digital zoom capabilities
- Supports megapixel IP cameras – up to 5MP
- Triple monitor display
- E-map and GUI recording schedule
- Digital PTZ and multiple viewer
- Smart detection of 6 events and 10 instant responses
- Advanced video analytic functions such as smart search + object counting
- Integrated 4 Port POE switch for simple plug-in installation



**The system includes:**

- 1 x VIP Vision™ IP based NVR with 1 TB hard drive
- 4 x VIP Vision™ 2.0 megapixel IP mini dome cameras
- 4 x 30m CAT5e camera connection cables
- 1x LAN connection cable (optional use)
- 1 x USB keyboard and mouse

NVR SPECIFICATION	
Video Compression Format	MPEG4 , H.264, MJPEG
Recording Resolutions	CIF, 2CIF, D1, 1.3MP, 2MP, 3MP, 5MP
Recording Mode	Continuous, event, motion, scheduled, manually, w/audio, auto recycle
IP Camera Inputs	4
Hard Drive Size	1TB
Backup Methods	CD/ DVD/ LAN/ USB
Dimensions	325 (L) x 208 (W) x 43 (H) mm

2 MEGAPIXEL CAMERA SPEC.	
Image Sensor	1/3" 2 Megapixel CMOS
Horizontal Resolution	1600 (H) x 1200 (V) (5MP)
Frame Rate	25fps(704x576), 25fps(1280x720), 12.5fps(1600x1200)
Video Compression	H.264, MPEG-4 (Dual Stream Supported)
Lens	4mm Wide Angle Fixed Iris @ F1.2
Min. Illumination	0.5 Lux @ F1.2
Dimension	100(W) x 97(H) x 47(D)mm

Part No.
NVR4KITDOME

### 5 MEGAPIXEL VIDEO SURVEILLANCE SYSTEMS



#### VIP Vision Advanced High Definition 4 Channel NVR Pack with 4x 5 Megapixel Dome Camera

**Key Features:**

- Intuitive User Interface
- Client-Server Architecture
- Powerful Integration
- Browser & Mobile Support
- Live View and Playback Advanced Zoom Functions
- Easily Configure the Live View and Playback Setup
- Powerful Smart Searching & Backup
- Real-Time Instant Playback
- Multi-Level E-Map Function



**The system includes:**

- 1 x HD IP based NVR with 2 TB hard drive in a compact case for easy storage
- 4 x 5 Megapixel IP Dome Cameras
- 2x 10m, 1x 20m, and 1x 30m CAT5e camera connection cables
- 1x LAN connection cable (optional use)
- 1x USB keyboard and mouse

NVR SPECIFICATION	
Video Compression Format	MPEG4 , H.264, MJPEG
Recording Resolutions	CIF/2CIF/D1 + Megapixel <sup>3</sup>
IP Camera Inputs	4
Hard Drive Size	2TB
Backup Methods	CD/ DVD/ LAN/ USB
Dimensions	325 (L) x 208 (W) x 43 (H) mm

5 MEGAPIXEL CAMERA SPEC.	
Image Sensor	1/2.5" 5 Megapixel CMOS
Horizontal Resolution	2592 (H) x 1944 (V) (5MP)
Frame Rate	9FPS@5MP
Video Compression	H.264, MJPEG
Lens	4.5-10mm
Min. Illumination	0.3 Lux @ F1.4
Vandal Rating	IP66
Dimension	140.3 (Dia) x 124.6 (H)

Part No.
NVRHD4KIT

## DVR & VIDEO SURVEILLANCE ACCESSORIES



### 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

*Also available in a 16 Bay Rack Mount!*

Part No.
DVRCASE3
DVRCASE3RUNAS



### High Performance 16 Bay Storage Server

RhinoCo Technology proudly presents this Securview 16 Bay storage/server. This model is built to handle high volume data response in an ultra cool thermal environment that maximizes storage server possibilities, making it ideal for security applications as an operating server or networked attached storage. This range supports redundant power supplies, up to 50 bays of hot-swap hard drives, hot-swap fans and Dual/Quad Intel® Xeon™ and AMD® Opteron™ server board. Featuring all server-grade dedicated hardware such as Intel Xeon CPU, Intel main board, and solid-state OS hard drives, SAS or SATA storage options, RAID (0,1,5,6,10) configurations support, this system is flexible enough to meet all your storage requirements from 10 - 100TB per server. Designed and built by RhinoCo Technology in Australia, it is also backed up by comprehensive local hardware and technical support.

Drive Bays	16 x 3.5" Hot Swap, 2 x 2.5" internal, 1 x Slim CD, 1 x Slim FDD
Ventilation	3 x 9cm Fans, 2 x 6cm Fans
Backplane	SAS, SATA or SATA 3.0Bb/s interface
RAID	LSI 16 Port RAID Config 0, 1, 5, 6, 10
CPU	Intel Xeon(R) Quad Core X3430 or above
RAM	4GB DDR3 or above
Server Board	Intel(R) Server Board S3000 series
NIC	Dual GbE
OS	Ubuntu
Hard Drive	64GB Kingston SSD
USB	10 x USB 2.0
Power	600W Fixed or Redundant PSU with warning indicator
Dimensions	480 (W) x 130.5 (H) x 710 (D)mm

Part No.
DVRSERVER3RU16B



### Hard Disk Drives

No matter what your recording needs are, RhinoCo Technology supply a range of Hard Disk Drives to meet your requirements. The drives range in size from 250GB to 2TB

Part No.
HD1TBS
HD2TBS



### High Quality Professional 12 Unit Rackmount Cabinet

- Size: 12RU 600mm x 450mm x 650mm (W x D x H)
- Glass front door with deluxe lock
- Removable metal side panels for easy access
- 1 x 12cm Cooling fan
- 4 Outlet Universal power adaptor sockets

Part No.
RACKMOUNTCAB12



### High Quality Professional Rackmount Cabinets

- Available in 3 Sizes:
- 18RU ( W600 x D450 x H800mm )
  - 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) & 6 outlet universal power adaptor sockets
  - Base with four twin castor wheels (2 with brakes) stands also available

Part No.
RACKMOUNTCAB18
RACKMOUNTCAB27
RACKMOUNTCAB37

## DVR & PC DISPLAY MONITORS



### Samsung 19" LCD Monitors with VGA and DVI Input

- 3 Year Warranty
- Screen Size: 19 inch (48cm)
- Video Input: 15 Pin D-Sub (VGA) / DVI-D (Digital Visual Interface)
- Display Area: 376.32mm x 301.056mm
- Aspect Ratio: 5:4 (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: 19": 405.6 x 380.2 x 190.0mm (With stand, WxHxD)

#### Part No.

LCDSAM19943B



### Samsung 19" LCD Monitors with Composite Video Input

- 3 Year Warranty
- Screen Size: 19 inch (48cm)
- Video Input: Composite
- Display Area: 376.32mm x 301.056mm (19")
- Aspect Ratio: 5:4 (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: 19": 405.6 x 380.2 x 190.0mm (With stand, WxHxD)

**Modified Samsung 19" Monitor** BNC & DVI inputs only, VGA function removed. 1280 x 1024 @60Hz  
Warranty by Cornick Pty. Ltd.

#### Part No.

TFT19V-S

## MONITOR BRACKETS

**NEW!**

### LCD / TFT Screen Wall-Mount Bracket for Samsung 17" & 19" Monitor

Wall-mount bracket for Samsung monitor (model no: LCDSAM1740R & LCDSAM1940R)

- FIT screen size: 15"~ 25"
- Tilt: -15 to +15 degree
- Max Loading weight: 20 kgs(44lbs)
- Distance to wall: 150-385mm
- VESA:75/100



#### Part No.

TFTBRACKETSAMSW



### VESA Standard Ceiling Mount LCD Bracket

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

#### Part No.

VSCACMB



### 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 50/75/100/200/100x200
- 90 degree horizontal swing, + 20 degree vertical tilt
- 100mm Spacing
- Max Load 30Kg

#### Part No.

TFTBRACKET

## IT & NETWORK COMMUNICATION



### 802.11a/b/g/n 300Mbps Wireless Router

With three fixed omni-directional antennas and a wireless transmission rate of 300Mbps, the VSWROUTER3A is a high-quality, high performance wireless connection solution. The router has a single WAN port, 4 LAN ports, with front panel LED status indicators.

- 802.11 a/b/g/n
- Supports PPPoE, Dynamic IP, and static IP broadband functions
- Supports UPnP, DDNS, static routing, VPN Pass-through
- Supports SSID broadcast control and MAC access control list
- Built-in firewall features IP, MAC and URL filtering
- Built-in DHCP server with automatic dynamic IP address distribution

**Part No.**

VSWROUTER3A



### 8 Port 10/100 Ethernet Switch

Ideal for usage in the home or small office, this 8-port Ethernet switch features plug & play installation and easy operation. The unit supports full-duplex switching bandwidth modes, which allows data rates of 10, 20 and 100Mbps.

- 10/100Mbps fast Ethernet switching hub
- Auto-partitioning and data collision control
- Low power consumption
- Diagnostic LEDs for power, link/activity, collision and full-duplex
- Easy to expand and upgrade

**Part No.**

VS8PORTESWITCH



### 24 Port Ethernet + 2 Port Gigabit Switch

This 24 + 2 Ethernet/Gigabit Switch provides 24 x 10/100M Ethernet ports and 2 x 10/100/1000M Gigabit ports. The unit provides superior overall performance and is simple to install.

- Power input: 160-240VAC, 50/60Hz
- Built-in universal power supply
- Forwarding Rate: 10Mbps: 14880pps; 100Mbps: 148800pps; 1000Mbps: 1488000pp
- UTP port supports auto-negotiation function, automatically adjusts the transmission and transfer rate
- Supports MAC address self-learning
- 19" Rackmountable Case
- LED Indicators

**Part No.**

VS24-2PORTSWITCH



### 24 Port 10/100/1000M Gigabit Ethernet Switch

The VS24PORTGSWITCH is a non-blocking, low-power 24 Port 10/100/1000M Gigabit switch. The unit supports a wide range of functions such as configuration management, port aggregation and port mirroring.

- Built-in universal power supply
- Backplane bandwidth: 48Gbps
- Forwarding Rate: 10Mbps: 14880pps; 100Mbps: 148800pps; 1000Mbps: 1488000pp
- LED Indicators

**Part No.**

VS24PORTGSWITCH

## Wireless Mobile 3G Modem Router

Just insert a SIM card for wireless video



### 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 using an optional video server

Certified for use on the Telstra network:

- Advanced persistent link technology to monitor link integrity & 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 & custom development environment available

Ethernet Connection	RJ45, 10/100 Base T
Serial Connection	RS-232/422/485
Supported Modes: 850/2100MHz WCDMA	Downlink up to 7.2Mbps / Uplink up to 2.0Mbps **
Supported Modes: 850/ 900/ 1800/ 1900MHz GSM/GPRS/EDGE	Downlink up to 236Kbps / Uplink up to 236kbps **
IPSEC encryption	DES, 3DES and up to 256-bit AES encryption
Power Input	9-30VDC
Power Draw	1.2W / Max: 3.4W

**Part No.**

VSWAN3G

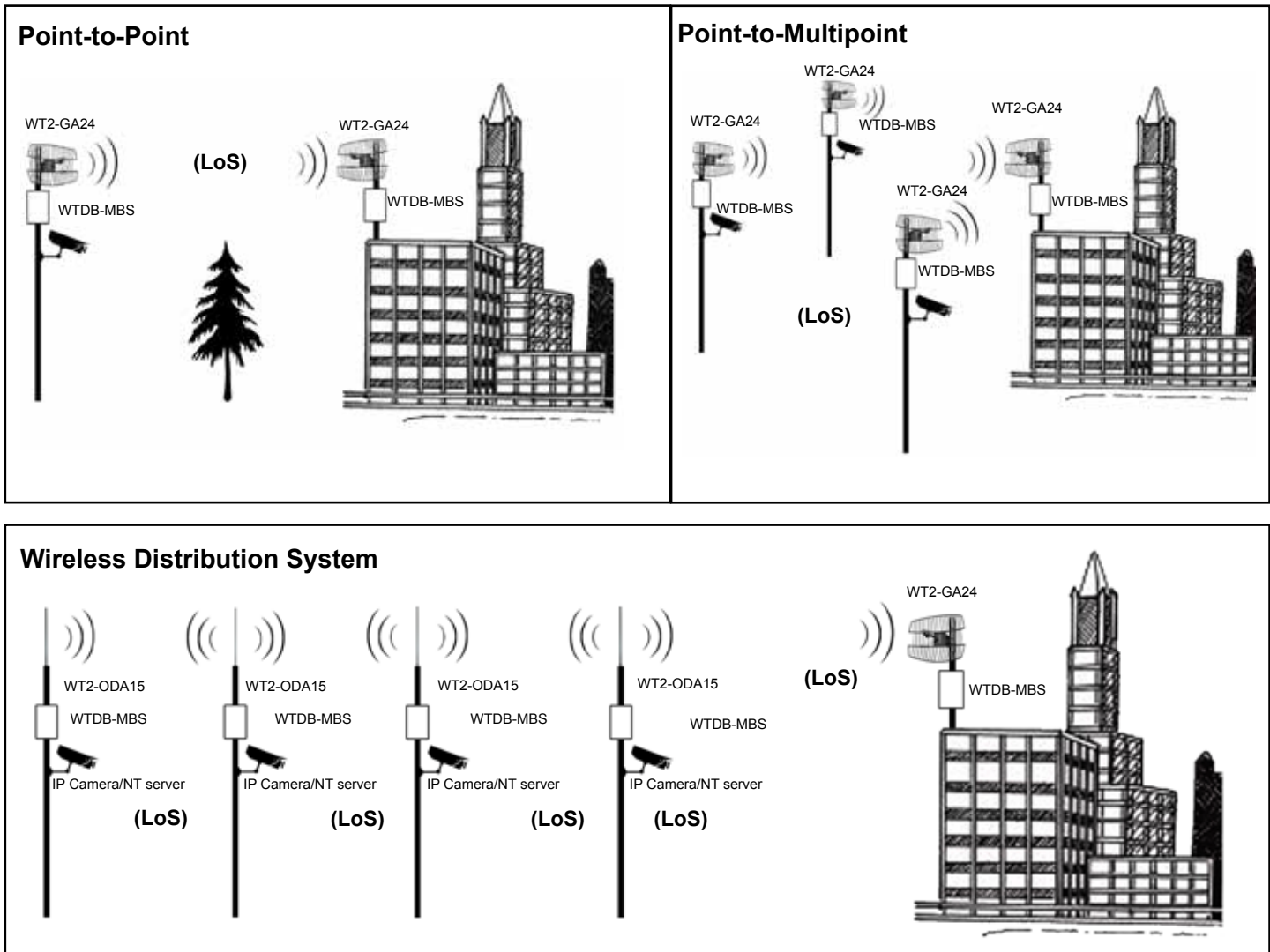
## Wireless CCTV

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](http://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



### 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.

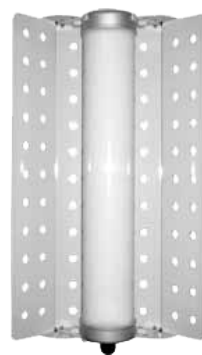
**Part No.**  
WT2-PA21

### Dual Band Outdoor Multimode Base Station IP67



This Dual Band Multimode Wireless Base Station product is designed for outdoor long-range wireless communication up to 50km. Based on the IEEE 802.11 a/b/g standards operating on 2.4GHz and 5GHz frequencies, the WTDB-MBS is an ideal cost effective solution for building-to-building wireless communications, parking lot security, and last-mile internet subscriber applications. The product is capable of operating at one of the four modes: Access Point, Wireless Bridge, Repeater or Client Bridge. The ruggedness of the IP67 rated enclosure and extreme temperature ratings along with a host of product features make the WTDB-MBS the product of choice for long range wireless networking and IP video security applications. The product is designed with the Power-Over-Ethernet (PoE) feature, which allows power and data to be transmitted over a single network cable, providing a simpler, more convenient installation.

**Part No.**  
WTDB-MBS



### 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



### 2.4GHz Grid Antenna 24dbi

- 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 & manufactured in Australia
- 24-month warranty

**Part No.**  
WT2-GA24



### 2.4GHz Directional RF Yagi Antenna 15dbi

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

**Part No.**  
MWWYAGIR8215



### 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.

- 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



## 2.4GHz Digital Wireless Transmitter and Receiver Set

This system is the ideal product for use when multiple wireless video/audio links are required for any commercial, industrial or consumer application. An example application would be to create a wireless network over which you wanted to transmit video footage from your camera to your DVR or Monitor. Simply connect the camera to the Transmitter box and your DVR or Monitor to the Receiver box.

- MPEG4 video compression
- 2.4GHz wireless mode ( up to 5Mbps)
- High quality real time transmission
- 13 Channel adjustable
- Outstanding security
- Audio compression G.721

<b>Part No.</b>
AVTXRX2.4

## WIRELESS TRANSMISSION 5.8GHZ (DIGITAL)



### 5.8GHz Grid Antenna 24dbi

- 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

<b>Part No.</b>
WT5-GA24



### 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.

<b>Part No.</b>
WT5-PA21



### 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.

<b>Part No.</b>
WT5-ODA12



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

This Wireless Transmission Multi Access Point is used with a compatible Wireless Antenna to create a wireless network. Common network configurations are point to point (2 Access Points and Antennae) and Point to Multi-Point (Multiple Access Points and Antennae). By connecting devices such as IP Cameras and NT Servers, IP video feeds can be transmitted across the wireless network.

The WT5-MAPNFC uses the 5.8GHz frequency. 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 access point 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

<b>Part No.</b>
WT5-MAPNFC

## Dual Band Wireless Transmission Multi-Access Point with N-Type Female Antenna Connector

This Wireless Transmission Multi Access Point is used with a compatible Wireless Antenna to create a wireless network. Common network configurations are point to point (2 Access Points and Antennae) and Point to Multi-Point (Multiple Access Points and Antennae). By connecting devices such as IP Cameras and NT Servers, IP video feeds can be transmitted across the wireless network. The WTDB-MAPNFC can utilise both 2.4Ghz and 5.8GHz frequency ranges. It is protected by an IP68 certified die-cast all weather housing and lightning protector, making it designed for a wide variety of outdoor applications. The WTDB-

MAPNFC is an ideal access point 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.

<b>Part No.</b>
WTDB-MAPNFC

## 5.8GHz 29dBi Grid Antenna with N-Type Female Connector

This is a 5.8GHz 29dBi high gain Grid Antenna. These high performance and low loss grid antennas are built from the ground up with a focus on reliability, durability, and performance. Compact and durable in their design, these antennas are produced from high quality corrosion resistant coated galvanized steel, offering precise rugged mechanical aspects and maintenance free operation.



The antennas have a High Performance Radiation Pattern, with superior RF and Ground Plane Design to ensure maximum directivity and to minimise leakages. The low loss high efficiency radiation system provides exceptional VSWR ranging from 1.3 to 1.5 to maximize electrical to wireless power transfer. Designed to work well in highly congested areas, the antenna directivity optimises license free radio spectrum to provide more aggregated bandwidth per deployment area.

<b>Frequency Range</b>	5100 ~ 5900 MHz
<b>Gain (dBi)</b>	29dBi
<b>Front-to-Back Ratio</b>	35dB
<b>Dimensions</b>	900 (Dia) x 250 mm
<b>Weight</b>	4.86kg

<b>Part No.</b>
WT5-GA29





## 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



## 0~6 GHz High Performance RF Lightning Arrestor

This product is used in-line between radio and external antenna to minimize transient voltage damage to sensitive RF equipment.

**Part No.**  
WT-LA



## Single Port Power Over Ethernet (PoE) Injector

This Ethernet line in Power Over Ethernet Injector provides 48VDC power and up to 100Mbps data transfer rate through a standard CAT5 cable.

**Part No.**  
WT-CAT5POEI

## WIRELESS TRANSMISSION ACCESSORIES



## Outdoor Shielded CAT5 Antenna Cable 25m

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

**Part No.**  
WTCAT5-25



## LMR400 N-Male to N-Male cable

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

**Part No.**  
CABLENM2NM

## Five Port Adjustable Voltage Power Over Ethernet (PoE) Switch



The WT-POESWITCH is a unique and powerful outdoor five-port Ethernet Switch with an adjustable voltage feature.

The WT-POESWITCH Adjustable Voltage PoE Switch offers four voltage levels, enabling a wide range of outdoor network and security applications, whilst significantly reducing the complexity of outdoor network installation, integration and ongoing network maintenance. It also offers local power level configurations. Locally, each WT-POESWITCH port is designed with a simple, easy-to-use push button for power level configuration. Remote monitoring over the internet can be achieved using a common internet web browser. This PoE switch includes other dynamic features such as remote web browser, PoE device power cycle and individual port troubleshooting capabilities.

**Part No.**  
WT-POESWITCH



## Single Port Power Over Ethernet (PoE) Injector and Power Adapter

This product is used as a PoE Injector and Power Adapter for the WT5-MAPNFC. The injector provides power to the main unit at 48VDC and allows data transfer, over a standard CAT5 cable.

**Part No.**  
WT5-MAPNFCPS



## Dual Port Power Over Ethernet (PoE) Injector with Surge Suppressor

This 2 port, Power Over Ethernet Injector provides 48VDC power and up to 100Mbps data transfer rate through a standard CAT5 cable.

This model also features surge suppression for protection from lightning and harmful transient voltage.

**Part No.**  
WT-CAT5SP2



## Single Port Ethernet Surge Suppressor

This single port Ethernet Surge Suppressor provides surge protection from lightning and harmful transient voltage through a standard CAT5 cable.

Used for WTDB-MBS model and IP Cameras.

**Part No.**  
WT-CAT5SP1



## Wall Mounting Kit for WTDB-MBS

External Wall Mounting bracket for the WTDB-MBS

**Part No.**  
WTDB-MBSWMK



## 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 & 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) & 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 & 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 & RS232 transmission (including PTZ) as well as alarm inputs & 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 2.4GHz digitally encrypted wireless video transceivers with PTZ control,  
1 x Solar Pole (as above model - VSSOLARPOLE5.8M)

**Part No.**

VSSOLARPOLE5.8MA



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## 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



### 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

Part No.  
VSCD50F



### Dummy Home Alarm Kit

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

Part No.  
DUMMYHA



### 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



### European Style Dummy Home Alarm Kit

This imitation home alarm makes your home look more secure, reducing the risk of burglary or home invasion. The realistic looking alarm body and warning stickers act as a deterrent to would-be criminals.

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

Part No.  
TSSDHA



### 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)

Part No.  
VSCDDF



### Alarm Warning Stickers (4 pack) A4 Size

Pack contains 4 A4 sized Alarm Warning Stickers.  
2 x Rear Adhesive Stickers for use on flat surfaces  
2 x Front Adhesive Stickers for use on interior windows

Part No.  
VSCDSA

## 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 over page 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
- Contact ID Protocol

### 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 - Allows you to easily arm and disarm the system or activate the panic facility from virtually anywhere around your premises.
- 1 x Power Supply & 1 x Phone Connection Lead - Contact ID Protocol

#### 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 sensor's 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 & low battery warning.
- 1 x Power Supply & 1 x Phone Connection Lead - Contact ID Protocol

#### 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 & 1 x Phone Connection Lead - Contact ID Protocol

#### Part No.

WGEDS

## WIRELESS ALARM SYSTEMS WITH 2-WAY COMMUNICATION VIA SMS MESSAGING

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

*Receive SMS Alerts from your alarm!*



### Watchguard SMS 2010 Alarm System

The Watchguard SMS 2010 is a true revolution in monitored home & 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 2010 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 & Play Setup:** Security has never been so easy to install. After mounting the movement detectors in the zones to be monitored and mounting the external siren in a prominent position, simply plug the alarm module into the power pack (or connect 12VDC), turn the power key to on and you are 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 2010 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
- 1 x Compact External Siren with Strobe



Part No.  
WG SMS2010

## 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 & 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 & Theft - Complete Burglary & Fire Detection System for Your Home or Office



The Watchguard Fire & 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 & 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 & smoke sensors
- High frequency internal siren to repel intruders
- Professional grade, high quality components
- Emergency panic function via remote
- Backup battery & mains power adaptor
- Powerful external siren with flashing blue strobe

Part No.  
WGUARDFT

### Budget Wireless Home Alarm System



This is an Entry Level Wireless Alarm System designed for use in a residential setting where the owner is wanting a basic security system without external monitoring.

The kit can be installed in three easy steps:

1. Mount the siren in a suitable position & plug in power adapter.
2. Mount the wireless detector.
3. Press the remote control to arm or disarm the system.

The Watchguard Sentinel 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

The system can be expanded with the range of Watchguard products, including smoke detectors, reed switches, PIR sensors and additional remotes.

Part No.  
WGSSENTINEL

## WIRELESS ALARM ACCESSORIES



### Wireless External Siren

- Wireless external siren with flashing blue strobe and backup battery
- 10m of cabling pre-terminated for 'plug & secure' installation
- Includes low voltage plugpack
- Sends tamper, low battery & 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 & blue strobe light
- High capacity 6V 1.2Ah 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 & Interface Transmitter

This system allows the WatchguardTM 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 & 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 & 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 & vertical curtain 3m)
- 9 volt alkaline battery provides approx. 1 year life
- Communicates alarm, low battery & supervision signals
- Works with all of our Universal Receivers & Alarms
- High quality TAKEX sensor
- Made in Japan

Part No.  
PIRWOD



### Wireless Mini Numeric Keypad White

- Allows arm / disarm, home mode & 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 & 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

- Two internal switches meets new standard compliance for hold up buttons
- 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



4 channel version now available!

## 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  
RCX4

## UNIVERSAL TRANSMITTERS & RECEIVERS



## 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 & 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).

- Code hopping remote control technology
- Remote functions include arm / disarm & 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 & panic buttons

**Suitable for use with WIRELESS:**

PIR Movement Detectors	Magnetic reed switches
Panic / duress buttons	Smoke sensors

**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 & tamper signal outputs
- Step by step programming via remote control & indication via feature and channel LEDs

**Suitable for use with:**

To replace your old, large & low security remotes	Add wireless alarm sensors to any device	Most devices that allow remote on / off operation
	Electric garages / gates	Home security systems

**Part No.**  
RXPROR4





## 4 Channel RF Receiver - 433.92MHz

The RXENF4 is a 4 Channel RF Receiver with 4 independently programmable output modes. When used with the TXENF4 4-Button Wireless Transmitter, this receiver can be used to control a variety of home automation devices, such as garage door openers, lights, motorised gates, lifts, or other devices, by remote control. The in-built 'Mode Switch' buttons allows for easy programming/re-programming of the channels. The receiver has 4 LEDs, one per channel, which indicate RF reception, learn mode, transmitter cleared and output type.

### Features:

- Antenna transmission range of 150m (Can be extended to up to 350m with the use of the RXENF4ANT Dipole Antenna)
  - RXENF4ANT External Antenna plugs directly into receiver PC Board.
  - Mode switch for easy transmitter learning.
  - Each receiver channel can learn the codes of 15 different transmitter buttons on a first-in, first-out basis.
  - Codes are stored safely in EEPROM for up to one year in case of power loss.
  - Four Form-C Dry Relay Contact (N.O./N.C./Common) Outputs. Each output rated 10 Amps at 24 VDC.
  - 4 Separate Channels / 4 Output Modes Each:
    - a. Timed Momentary (1, 2, 3, 4, 5, 10, 30, 60 sec.)
    - b. Toggle (On/Off)
    - c. Latch (Output stays on until manually reset)
    - d. Continuous or Validity (Output for as long as signal is received)
- \*All outputs are independently controlled. (i.e. Channel 1 can be toggle, Channel 2 can be one second momentary, etc.)

**Part No.**  
RXENF4



## Extended Range "Dipole" Type Antenna for RXENF4

This flexible antenna is used to extend the transmission range of the RXENF4 wireless receiver an additional 300m (Open air, LoS). The antenna easily plugs into a connector on the receiver, no extra wiring is required.

**Part No.**  
RXENF4ANT



## 4 Button Code Hopping Hand-Held Transmitter - 433.92MHz

This 4-Button Code-Hopping Hand-Held Wireless Transmitter works in conjunction with the RXENF4 Wireless Receiver to allow you to remote control garage doors, alarm panels and home automation functions.

- Extremely durable: Rubber buttons help eliminate electrostatic discharge damage. Gold-plated battery clips and contact points extend the life of the transmitter.
- The transmitter has an operating range of 150m (Open air, Line of Sight)
- Uses anti-code grabbing technology for greater security
- Over 68 Billion possible transmitting codes

**Part No.**  
TXENF4



## Transmitter Belt Clip Holder

Belt Clip Holster for the TXENF4 Wireless Transmitter

**Part No.**  
TXENF4HOLDER

## WIRELESS MINI ALARMS

### 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
- Radio remote control activates & deactivates the alarm at a range of up to 30m

**Part No.**  
WGWMSA

### 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

\*Please note: This is an OEM product, orders of 500+ quantities only

**Part No.**  
WGPA A

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



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

## 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
- Detection Area: Max 50m long, LoS
- Easy to program
- Two-way hands free voice communication
- Use Radio 433.92MHz AM Super heterodyne receiver

Part No.  
WGWHAD

## FIRE SAFETY PRODUCTS



### Fire Blanket 1.0m x 1.0m in Vinyl Pouch

- Approved to Australian Standard AS3504 + 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



Part No.  
WGFB1.0VP



### Fire Blanket 1.0m x 1.0m in Vinyl Pouch

- 1.8m is large enough to use on human body to extinguish fire
- Approved to Australian Standard AS3504 + 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



Part No.  
WGFB1.8VP



## 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)



Part No.  
WG1SMKP

## HARDWIRED ALARM SYSTEMS

# SMS8

## 8 Zone Alarm Panel & LCD Keypad

The SMS8 is our premiere 8 Zone Alarm Panel and LCD Keypad, ideal for use in a home or business. The system is designed to provide personal security monitoring via your mobile phone using SMS Messaging or optional high security 24 Hour back-to-base monitoring. (\*Fees Apply)

System reports are sent using the industry standard Contact ID communication protocol. The benefit of using the SMS8 to send these reports is that no SIM card is required - SMS messages are sent via your landline.

The SMS dialer function can be disabled if desired so as to operate as a regular 'dialer' alarm control panel only. The system is designed to be easily programmed, with all programming and setup done via a simple menu-driven system.

### Features:

- 8 Hardwired Zones
- One button "Quick Arming" plus "Home Arming" for arming only certain areas - ie: at night you can have the sensors in living areas armed, but those in the 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



**Australian Designed!**

\*mobile phone not included

## ALSO AVAILABLE Professional Complete Hardwired Alarm Kit

- Includes:
  - 1 x Watchguard SMS8 Alarm Panel
  - 1 x External Siren/Strobe
  - 1 x Indoor Piezo Siren
  - 3 x High Quality PIR Sensors
  - 4 x Surface Reed Switches
  - 1 x Emergency Panic Button
  - All power supplies and cabling
  - Ideal for home or office.

Model: SMS8KITHW

## SMS8 OPTIONAL 2-Wire Serial Interface Wireless Receiver

- Narrow band wireless receiver
- 2 Wire interface connection
- Includes 2 high security code-hopping remotes
- Remote functions include arm/disarm, home arm & panic
- 8 Wireless detector zones
- Easily add & erase up to 8 wireless detectors into your system
- Compatible with all Watchguard™ Wireless Accessories

Model: SMS8RX

## ALSO AVAILABLE

Does your client want to receive SMS Messages instead of paying for back to base monitoring? If they demand this function, we have the solution!



## Contact ID to GSM SMS Message Text Converter

- Connects to panel to convert Contact ID to SMS
- Enables personal monitoring, with SMS notification of alarms
- Connects to standard telephone line
- Easy to install - connects to communications port, 12V supply output and telephone line
- Maximum 16 alarm zones
- No SIM Card required

Model: SMS8IB

### Part No.

SMS8	(8 Zone Alarm Panel & LCD Keypad)
SMS8KITHW	(Professional Complete Hardwired Alarm Kit)
SMS8RX	(Optional 2-Wire Serial Interface Wireless Receiver for SMS8)
SMSIB	(Contact ID to GSM SMS Message Text Converter)

# WGAP816

## 8 Zone Alarm Panel & LCD Keypad Expandable to 16 Monitored Zones

The WGAP816 is a versatile, microprocessor-based, fully featured 8/16 Zone alarm panel, which has two partitions. The alarm panel provides immediate notification of burglary, fire, medical & panic conditions. There is a dedicated panic zone, monitored siren output, auxiliary power outputs and five (expandable to seven) program able outputs that may be programmed to perform various trigger/switching functions.

### Product Features:

- Eight programmable, end of line supervised zone inputs
- 2 Partitions
- Five programmable outputs on alarm panel. Expandable to seven when using Wired Zone Expander module
- Programmable loop response time
- Auto arm/disarm capability per partition and by day of the week. The panel can be programmed to arm/disarm at a pre-determined time
- Optional tamper reporting per zone using double end of line resistors (12k and 4k7)
- Fully programmable digital telephone communicator that supports most industry standard formats.
- Non volatile EEPROM memory retains all program and event log data in the event of a total power failure
- Excellent protection against lightning (provided by specialist "zap tracking" and transient suppressors)
- Fax defeat/answering machine override
- Dual reporting provides for duplicated reporting to two independent central base stations
- 3 quick arm modes
  - Away
  - Stay with no exit delay
  - Stay with exit delay
- 32 user codes
- Dynamic battery self test
- Low battery cut out circuit
- 500 event log
- False alarm reduction features



## OPTIONAL 8 Zone Expander

Model: WGAEXPAND

- 8 wired, end-of-line supervised zone inputs
- Optional tamper per zone using double end-of-line resistors
- Programmable loop response time
- Dedicated box tamper input
- Excellent protection against lightning (provided by specialist "Zap Tracking" and transient suppressors)
- Expander supply voltage monitoring



## 8/16 Zone Hardwired Alarm Kit for COMPLETE Home or Office Protection

If you're after a complete Home or Office alarm system, you **NEED** the WGAP816KIT. It contains a Watchguard™ 8/16 zone alarm panel, internal and external sirens, motion sensors, reed switches, emergency panic button and all necessary power supplies and cabling. These detectors and sirens help protect ALL areas of your house by performing functions such as monitoring your rooms for movement, and detecting when doors or windows are opened. This gives you greater peace of mind that your home is secured against thieves, burglars and vandals.



1 x 8/16 Zone Alarm Control Panel with LCD Keypad



1 x Outdoor Siren/Strobe



3 x High Quality PIR Sensors



1 x Indoor "Top Hat" Piezo Siren



4 x Surface Reed Switches for Doors or Windows



1 x Emergency Panic Button



1 x 7Ah Lead Acid Backup Battery  
1 x 100M of 4 Core Alarm Cable  
1 x 16VAC Power Supply

Part No.  
WGAP816  
WGAP816KIT

# WGAP1632

## 16 Zone Alarm Panel & LCD Keypad Expandable to 32 Monitored Zones

The WGAP1632 is a versatile, microprocessor-based sixteen-zone Alarm Panel. There are eight partitions and the panel can be expanded to monitor a total of thirty-two burglary zones through the use of wired zone expanders (Maximum of two). Most features are optional and may be programmed directly through the LCD Alpha-numeric keypad. There is a dedicated Panic zone, monitored siren output, auxiliary power outputs and eight (expandable to twelve) programmable outputs which may be programmed to perform various trigger/switching functions.

### Product Features:

- 8 Partitions, 250 user codes, 500 event log
- Programmable loop response time
- RS485 keypad bus supports two 8-zone expander modules, one remote receiver, up to 16 keypads and GSM Communicator
- 16 programmable, end-of-line supervised zone inputs
- Expandable to 32 zones via keypad zones, zone expander modules, zone doubling or wireless expansion
- Optional tamper reporting per zone using double end-of-line resistors (12k and 4k7)
- Auto arm/disarm capability per partition and by day of the week. The panel can be programmed to arm/disarm at a predetermined time
- 8 programmable outputs on Alarm Panel. Expandable to 12 when using Wired Zone Expander module
- Non-volatile EEPROM memory retains all program and even log data in the event of a total power failure.
- Event log, date and time stamped (approx. 700 events - exact number of events is dependant on the timing of the events)
- Up and download using Windows based software, either directly via RS232 or remotely using a modem
- Excellent protection against lightning (provided by specialised "zap tracking" and transient suppressors)
- Fax defeat/ answering machine override
- Dual reporting provides for duplicated reporting to two independent central base stations – or one base station and a cellphone
- Support for secure dial-in functionality using any DTMF phone
- False alarm reduction features
- Optional voice module for voice reporting and DTMF, voice-prompted remote-controlled menu
- Dynamic battery self test



## OPTIONAL 8 Zone Expander

Model: WGAEXPAND

- 8 wired, end-of-line supervised zone inputs
- Optional tamper per zone using double end-of-line resistors
- Programmable loop response time
- Dedicated box tamper input
- Excellent protection against lightning (provided by specialist "Zap Tracking" and transient suppressors)
- Expander supply voltage monitoring



## 16 Zone Hardwired Home Alarm Kit for COMPLETE Home/Commercial Building protection

If you're after complete commercial building protection, you **NEED** the WGAP1632KIT hardwired alarm system. It contains a premiere Watchguard™ 16 Zone alarm panel, internal and external sirens, motion sensors, reed switches, emergency panic button and all necessary power supplies and cabling. These detectors and sirens help protect **ALL** areas of your house by performing functions such as monitoring rooms and offices for movement, and detecting when door or windows are opened. This gives you greater peace of mind that your building is secure against thieves, burglars and vandals.



1 x 16 Zone Alarm Control Panel with LCD Keypad



1 x Outdoor Siren/Strobe



3 x High Quality PIR Sensors



1 x Indoor "Top Hat" Piezo Siren



4 x Surface Reed Switches for Doors or Windows



1 x Emergency Panic Button



1 x 7Ah Lead Acid Backup Battery  
1 x 100M of 4 Core Alarm Cable  
1 x 16VAC Power Supply

Part No.

WGAP1632

WGAP1632KIT

## HARDWIRED ALARM ACCESSORIES



### 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
- PIR Mounting Bracket also available

Model No: PIRLHLB

Part No.  
PIRHW  
PIRLHLB



### 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
- Selectable N.O. or N.C. alarm outputs
- PIR Mounting Bracket also available

Model No: PIRLHSB

Part No.  
PIRHWTT  
PIRLHSB



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

Specifically designed to save alarm installers time and money, this product 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 & money on installation
- Highly durable, moisture & UV resistant external housing
- Includes rear protective cover

Fully Assembled AC / DC Siren, Strobe & Tamper Switch

Part No.  
COS



### Single Tone Siren

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

Part No.  
S42



### Piezo Siren

- Repel an intruder from your home by installing this high frequency, super loud siren.
- 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



### Ionization Smoke Alarm with Silence and Interconnectable Function

- Interconnectable up to 20 units
- 220VAC - 240VAC ( 1x 9VDC battery - power backup)
- Extra loud alarm sound over 85dB
- Self-test button
- Battery missing & Low-battery warning indicator

Part No.  
SMODET1240



### Compact External Siren With Strobe

European style 115dB external siren with integrated blue strobe light, piezo siren and tamper switch. The siren utilises a simple 2-wire connection and 12V power.

Part No.  
W24SIREN



### 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



### Flashing Blue Strobe Light

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

Part No.  
DSMB



## Surface Reed Switch (N/O Contact)

High quality Magnetic Surface Reed switch which has Normally Closed/Normally Open Contacts.

**Part No.**  
DSRNONC



## High Impact Plastic External Siren Cover

This External Siren Cover has been developed and designed as a replacement for old or damaged siren covers.

- Main Features:
- Highly Durable.
  - Moisture and UV resistant.
  - Designed in Australia.

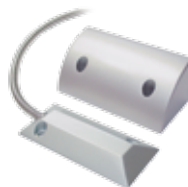
**Part No.**  
DPSCY



## 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



## 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)

**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)

**Part No.**  
DSRLW



## 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.**  
2POSSPST



## NC Tamper Switch for Siren Covers

- Open Type
- 1A
- 125V
- For Siren Covers such as the DPSCY, which do not have a tamper switch

**Part No.**  
DTBS



## 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



## Emergency Button Switch

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

**Part No.**  
DEBS



## Dual Button Emergency Switch (N/O Contact)

- Dual button activation virtually eliminates accidental triggering
- Push to Close momentary contact type
- Pre-wired for quick installation
- Sturdy metal case, silver-plated spst contacts
- Rated 1Amp at 25VDC

**Part No.**  
DEBSDUAL



## 8 Zone Wired Expander for the WGAP816 and WGAP1632 Alarm Control Panels

- 8 wired, end-of-line supervised zone inputs
- Optional tamper per zone using double end-of-line resistors
- Programmable loop response time
- Dedicated box tamper input
- Excellent protection against lightning
- Expander supply voltage monitoring

**Part No.**  
WGAPEXPAND



## Watchguard High Quality LCD Keypad for use with the WGAP816 and WGAP1632 Alarm Panels

Developed for use with the Watchguard WGAP816 and WGAP1632 Alarm Panels, this high quality LCD Keypad easily allows you to program and access your security system's functions and information. The large LCD screen displays menus and messages to inform you of your alarm status/any changes you are making. All the alarm system programming is done via the LCD Keypad. Programmable functions accessed through the keypad include auto-arming, away arming, zone bypassing and setting/changing/allocating user codes.

**Part No.**  
WGAPKP

Zenith Poll

# GSM Products

*Fix all your alarm panel dialing problems NOW!*



**NEW!**

## GSM Fixed Wireless Communication Terminal with External Antenna

If you are still using PSTN telephone lines to monitor alarm systems, your days are numbered. Telecommunication companies are fast moving to IP Telephony and Naked DSL Broadband VoIP Telephony. This move will make your alarm panel PSTN dialer useless unless you have another solution.

The GSM Terminal device is designed to act as an interface between the GSM network and your Back-to-Base monitored alarm system. Just plug your old alarm panel dialer into the GSM terminal and fit a standard GSM SIM card. Now, all alarm monitoring notifications will be made via the GSM network.

If standard PSTN lines are not available (ie: if you have Naked DSL in your home/office) the GSMTERMINAL can be connected to your alarm control panel to allow it to dial out in the event of alarm activation, via the GSM network.

By allowing the alarm control panel to operate over the GSM Network, the GSMTERMINAL is an important backup device, ensuring your system can still communicate with your monitoring centre, even if the landline is sabotaged or out of service.

### Features

- Applies high-quality dual/quad band GSM technology to a wide variety of communication purposes
- Integrated GSM dual band module
- Intuitive PC Software for easy unit configuration
- Device LEDs easily display received signal strength
- GPRS data rate up to 85.6Kbps for downstream and up to 21.4kbps for upstream

Part No.  
GSMTERMINAL



## GPRS/GSM Backup Module with Encrypted GPRS-TCP/IP Communication

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.

### Features

- 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.
- Encrypted GPRS-TCP/IP communication
- Phone line monitoring:  
In the event of failure, the GSM communication will take over
- 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

Part No.  
GSMBU-ZB



## 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



### 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.

#### 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 & SAFETY DEVICES (ENSA)

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 & 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



### Waterproof Dynamo Torch

This flashlight doesn't require batteries, it is powered by simply shaking the unit up and down. This battery-less power source makes it a handy tool to have, especially in situations where emergency light may be needed, such as during a power blackout. When shaken, the flashlight is powered from the generation of a magnetic force created by the double copper coil wire within the handle. The torch comes in a transparent waterproof housing, making it suitable for use in a wide range of applications. It can be used underwater to a depth of two metres. The lack of batteries and the associated electronics means that the overall cost of production is lower, bringing you a high quality product for less.

- Waterproof
- Recharge By Shaking
- Light / Flashing Light Function

Part No.  
WGDT200L

Part No.  
ENSAPOWERPOINT



### Passive Infrared LED Night Light

- 3 x bright LED lights
- Automatically "ON" when movement detected
- Light "ON" duration 10sec/ 60sec
- 5m detection range
- LED light available for 120° Tilt adjustment
- Battery operated (3x AAA 1.5V batteries. Incl.)
- Great for hall ways, stairs and all main access
- Ideal to use as a safety light for children and elderly

Part No.  
WGPIRLIGHT



# Vehicle Security Products

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## CAR ALARMS & ENGINE IMMOBILISERS

### NEW!! Anti-Carjacking Features



**NEW!**

#### Anti-Hijack Car Alarm and Upgrade in One, inc. 3 Point Engine Immobiliser and Glass Break Sensor

The Rhino RAV3-PNG has all of the features of the standard RAV3 with added ability to detect a carjacking event and immobilise the vehicle.

- Three Point Immobiliser
- Intelligent glass break sensor
- Intelligent dual stage shock sensor
- Coded Battery Back-Up Siren
- Door, bonet and boot protection
- Integrated central locking relays
- Turbo Timer Functions
- Alarm control via vehicle factory key
- Special features for courier drivers
- Anti-Hijack features to prevent carjacking attacks

**Part No.**  
RAV3-PNG



#### Australian Standards Approved Car Alarm and Upgrade in One, inc. 3 Point Engine Immobiliser and Glass Break Sensor

The Rhino RAV3 is one of our top quality Australian Standards Approved car alarm. It has been engineered to the highest specifications to give you the ultimate in car security. The main features which have been developed and incorporated into the RAV3 include:

- Three Automatic Immobilisers
- Intelligent Glass Break Sensor
- Intelligent Dual Stage Shock Sensor
- Data Battery Back-Up Siren
- Door, bonnet and boot protection
- Central locking from the remote
- Turbo Timer Functions
- Alarm control via vehicle factory key
- Courier function

The RAV3 includes:  
 1 x ASA 3-Point Engine Immobiliser  
 2 x 4-Button Rolling Code Waterproof Remote Controls  
 1 x Mini Coded Backup Battery Siren  
 1 x Glass Break Sensor

**Part No.**  
RAV3

## COMMON FEATURES FOR RAV3 & RAV3-PNG

### Three automatic immobilisers

For maximum security fuel pump, ignition system and starter motor immobiliser cuts (where possible) are made so the car cannot be started unless it is disarmed via the remote. The system will immobilise 40 seconds after the ignition is turned off or when the alarm is armed.

### Intelligent glass break sensor

Detects the sound frequency of breaking glass. It will only trigger the alarm if the shock sensor also picks up an impact. This reduces false alarms.

### Intelligent dual stage shock sensor

It gives a warning on a light impact and a full alarm on a heavy impact to the vehicle. It can distinguish between environmental shocks such as trucks or aircraft and a thief attempting to break in. It will auto adjust its sensitivity for the environment on arming.

### Data battery back-up siren

A self powered siren that communicates independently with the alarm so it cannot be fooled into turning off like normal battery back-up sirens.

### Door, bonnet and boot protection

If the alarm is armed and a door, bonnet or boot is opened the alarm will sound.

### Central locking from the remote

The alarm will lock/unlock the doors when the alarm is armed/disarmed.

### Two rolling code 4 button waterproof remotes

(If you are not using your car's factory key to operate the alarm).

### Turbo timer functions

Specifically to work with turbo vehicles. It has two turbo timer options to choose from. On-board turbo timer – no need to fit an external unit - using the on-board turbo timer is the most secure way to have a turbo timer. The alarm is armed as usual but the car will continue to run for the preset run time of 1, 2 or 4 minutes. If the alarm is triggered during this time the car will shut down and the alarm will sound. It can also be turned off prior to the preset run time via the remote.

Turbo timer interface - link the alarm up with your existing external turbo timer so your car will continue to run on the external turbo timer after the alarm is armed as usual. If the alarm is triggered during this time the car will shut down and the alarm will sound.

### NEW Control the alarm with your vehicle's factory key

If your vehicle has a factory key that locks/unlocks the doors your RAV3 alarm may be able to interface with it so the alarm arms/disarms at the same time. Boot release will also work from the factory key (and if the alarm is armed it will disarm). This feature will work with most factory keys.

### NEW Courier function

Courier function allows the engine to continue running indefinitely while the system is armed. If the alarm is triggered during this time the car will shut down and the alarm will sound.

### Compatible with all Rhino car alarm accessories and sensors

### Three year warranty

Also available in a 24-volt version



## Car Alarm and Immobiliser With 2-Way SMS 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)
- Dedicated onboard audio discriminating glass break sensor
- Battery backup siren
- Code Hopping remote technology
- All points of entry protection (Doors, Boot, Bonnet)
- 2 stage shock (impact) sensor with auto adjust
- All black wiring harness
- Negative pulse central locking outputs
- GSM low coverage 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

### 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



**Part No.**  
RAMV2



## Backup Battery Car Alarm & 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



## 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 Upgrade Car Alarm & 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

## 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



\* Mobile phone not included



### '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

## ENGINE IMMOBILISERS



### Remote Keyless Entry & 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 & 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

24 Volt Version Available  
(Model: JAG24V)

Part No.  
JAGV2

## 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 & 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 & JAG Only

For use with Rhino RA & 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 & 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 & RSA

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

- Power: 12VDC
- Used in Rhino GTR & RSA car alarm
- Negative & 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.

**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 & monitors for any changes.

**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



### 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



## 2 Stage Vehicle Impact Sensor

Designed to detect any shocks or impacts to your vehicle. The 2 stage system provides a warning alert if a light impact is detected, and outputs to the alarm if a heavy impact is registered.

- 2 stage for more accurate detection
- Prewired female plug
- Adjustable sensitivity with LED test indicator

**Part No.**  
SHOCK2S



## Dual Zone Microwave Detector

Can be used to give a warning to anyone coming too close to your vehicle & 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 & internal movement
- Dimensions: 83(W) x 80(D) x 20(H) mm

**Part No.**  
MDDZ

## 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 & 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

### Pinswitches

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

- Available Versions:

- Standard Pinswitch (PIN409) - 35(W) x 53(L)mm
- Right Angled Pinswitch (PIN410) - 45(W) x 60(L)mm
- Metal Pinswitch (PINSW) - 5(W) x 65(L)mm

- PIN409 and PIN410 are adjusted by cutting the pin
- PINSW is adjusted via the screw thread

**Part No.**  
PIN409  
PIN410  
PINSW



## Van Sliding Door Switch

For use when installing central locking on vehicles with sliding doors such as passenger & 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  
40ARELAY-24



## Differential Pressure Sensor

The differential pressure sensor detects minute or major changes in the internal pressure of a car; when the alarm is armed, the sensor uses the internal pressure as a baseline. Any changes to this pressure - like breaking a window or prying open a door - result in the sensor detecting the change and triggering the alarm.

- High and Low Frequency Tuners

**Part No.**  
PRESSENSE



## Central Locking Kit - Cable Lock Adapter

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

**Part No.**  
CLKHDCABLE



## Heavy Duty Central Locking Motor - 5 Wire

Individual Central Locking 5-Wire Master Drive Motor

**Part No.**  
DLHD101



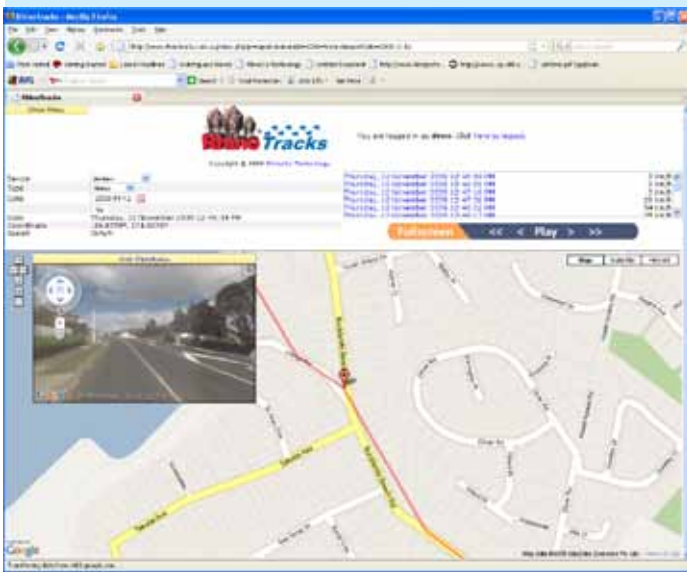
## Heavy Duty 2-Wire Central Locking Slave Motor

Individual Heavy Duty 2-Wire Slave Central Locking Motor

**Part No.**  
DLHD102



## VEHICLE / PERSONAL TRACKER & DRIVING RECORDER



### The basic functions featured in all the GPS Trackers include:

- Support for numerous GPS applications such as vehicle location, remote monitoring, remote navigation, fleet management, anti-theft and real-time tracking.
- Provides accident and travel history records.
- Convenient, flexible, temporary Geofence setting.

\*\* Google Earth is the trademark of Google Inc. The download and use are subject to applicable terms and conditions of Google Inc. RhinoCo Technology is in no way affiliated or associated with Google Inc. or any of its subsidiaries

\* Provided your vehicle is within your selected mobile phone network carriers GSM coverage, GPS satellites are operational & the vehicle is not undercover.



#### Standard GPS Vehicle Tracker

The RHINOTRACKS-ST5 is our standard GPS Vehicle Tracker, designed to keep you informed of where your vehicle is and where it has been. The system includes the standard GPS tracking functions, and comes with a GPRS and GPS antenna.

\*Suitable for 12 or 24 VDC Vehicles

Part No.

RHINOTRACKS-ST5



#### Available By Special Order

##### Mini Tracker for Container or Covert Tracking

This compact GPS unit includes the standard GPS tracking functions and is powered by an inbuilt 3.6V Lithium battery, with a standby operation time of more than 12 days. The system has been designed to be mounted on the back doors of a truck or container. It has built-in GPS and GSM antennas and has both a motion sensor and magnetic door sensor, to easily detect the status of the container doors. The unit housing has a strong magnetic backing, which makes for simple installation and it includes a tamper switch (with trigger reporting) on the main unit for added protection against vandals.

Part No.

RHINOTRACKS-CTS



#### Personal GPS Tracking System with Voice Function

The RHINOTRACKS-PTS personal tracking system includes the standard GPS tracking functions as well as voice functionality. The unit has a built-in microphone and speaker, with the ability to program phone numbers onto the speed dial buttons (via the computer software) for more efficient communication. More advanced functions of the unit include Help and SOS report sending, as well as a Self-Geofence option. The unit is charged through a portable docking station, and a full battery will provide more than 4 days standby operation.

Part No.

RHINOTRACKS-PTS



#### Available By Special Order

##### Wind Powered Tracking System with built-in GPS and GSM Antenna for Trucks, Trains and Trailers

This unique wind powered GPS tracking system utilises an independent wind power generator to charge and power the unit, removing the need to connect an external power supply. This makes the product ideal for mounting on the top of a trailer, truck or container, where it is out of sight from vandals and in a prominent position to capture the wind.

Part No.

RHINOTRACKS-WPT



#### Available By Special Order

##### Stand-alone GPS/GPRS/SMS Solar Panel Tracker

The NEW Solar Powered GPS Tracking System is an ideal product for use in logistics applications such as on top of a truck or container. The internal battery is charged by the large photovoltaic Solar Panel, removing the need for an external power source. The unit includes the basic GPS tracking functions, allowing you to locate your vehicle from anywhere in the world where you have an internet connection. The built-in GPS and GSM antenna remove the need for external devices, and the unit's tamper switch (with trigger reporting) provides added protection against vandals.

Part No.

RHINOTRACKS-SPT



## Vehicle Driving Recorder System with Inbuilt GPS Module

Developed to provide added safety, security and peace of mind to individual drivers and larger transport fleets, the MDVR-XDv2 is an in-car driving recorder system which has an inbuilt GPS module.

The internal CMOS video camera can record at a resolution of 640 x 480 pixels at a maximum of 30fps. Along with the camera, the unit also has an inbuilt microphone for audio recording, a GPS location data logger for easy tracking of the unit location and a G-Force shock sensor to detect vehicle impacts. The unit includes a bracket which allows it to be easily attached to the windshield of a motor vehicle. The inbuilt shock sensor is adjustable, assisting the unit in determining whether the vehicle has been involved in an accident; the pre and post event recording footage is taken to provide thorough coverage of the incident, making it easy for employers or individuals to lodge insurance claims or provide evidence. The unit includes the footage viewing software and a 4GB Micro SD Card.

### MAIN FEATURES:

#### Easy Installation

Simply install the unit on the windscreen, provide power by turning the car on, and the unit will begin recording.

#### Manual/Event Recording

The unit includes an Emergency Recording Button, allowing you to record events that may not trigger the automatic event recording.

#### 3 Axis G-sensor Event Recording

While driving, when the car gets impacted from an event such as a collision, the G-sensor will detect the impact and record video prior to and during the impact, giving you evidence for insurance claims, police reports etc.

#### GPS Interface (Option)

The device has a built-in GPS module which allows it to track the driving route by map and speed

Camera	CMOS Image Sensor
Video Resolution	640 x 480 @30FPS
Audio	Internal Mic
GPS	Internal GPS Module
Memory	Micro SD Memory. Supplied with 4GB Micro SD Card, Maximum Memory 32GB
Power	DC 12 ~ DC24V
Event	G-Sensor (3-Axis), Emergency Button

**Part No.**  
MDVR-XDV2



## Rhino In-Car Vehicle Recording System with inbuilt GPS Module and additional External camera

The MDVR-TAXIv2 represents the next generation of in-car GPS video recording systems. It provides an ideal video surveillance solution for in-car use, when you're wanting to record the driver's general road view. This system utilises an in-built video camera with audio recording, providing you with accurate video and audio evidence in the event of an accident or traffic incident.

The unit includes both compact mounting brackets, and a windshield cradle to allow you to mount the unit to the windshield of the vehicle or have it sit out from the windshield, similar to a GPS navigation device. Both mounting methods have been designed to keep the unit out of the driver's field of view. The built-in GPS module provides not only the location of the vehicle, but also the time of the event and the speed of the vehicle.

The internal CMOS camera capture clear images when the car is driving or stationary (when power is supplied). To view the footage, simply remove the SD memory card from the unit and connect to your Windows PC for viewing using the supplied USB SD card reader.

### MAIN FEATURES:

**Constant Recording Function:** The product constantly stores front view videos, voice, GPS location, and time information on the SD card. When the amount of recorded data exceeds the capacity of the SD memory, the oldest files get overwritten.

**Event Recording Function:** If the impulse sensed by the G-sensor exceeds a specific limit, or the user presses the emergency recording button, the video file containing 15 seconds of data prior to the event and 15 seconds into the event is automatically stored and transferred to the EVENT MOVIE folder on the SD card.

**Video and Voice Data Playing & Analysing Function:** The user can play recorded video and information, using the software provided with the product, and easily analyse velocity, coordinates, time and GPS location. Recorded video files can be played at a maximum resolution of 640x480 @ 24 FPS.

### PACKAGE INCLUDES:

- 1 x Main Unit
- 1x External surveillance camera
- 1 x Windscreen cradle bracket
- 1 x Power Cable
- 1 x 4GB SD Card
- 1 x USB SD Card Reader
- 1 x Windshield mounting brackets with double-sided tape
- 1 x User Manual

**Part No.**  
MDVR-TAXIv2

## MOBILE DIGITAL VIDEO RECORDERS



(rear view)

**Part No.**  
MDVR-GPSV2

## VEHICLE PARKING SENSORS

## VEHICLE REVERSING KITS



### Rearview Mirror with 4.3" TFT-LCD Inbuilt Monitor & 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 vehicle's 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 LEDs offer enhanced night time operation
- Easily mounts above your number plate
- 110Deg. horizontal viewing angle
- Power 12VDC 200mA

**Part No.**  
VSDS-RVM4.3



### 4 Sensor Reversing 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.**  
REVSENSE4B

**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



### Large Vehicle Reversing Camera with Infrared LEDs for Night Vision

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



### 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



### 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



### 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



### 10m Video & Audio Cable for Truck Camera

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

**Part No.**

VSRVM-CBL10



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

- Display size: 7 inch
- Aspect ratio: 16:9
- Resolution: 234 x 480pixels
- Dual video inputs (Video1 & 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

Please check our website for the latest product release!





# 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:  
- GTTX / GTSTX / GTRTX / RCTX4-U

Part No.  
CR1616BP



### Remote Control Battery - 12V, Type 23A

Suits:  
- PTX  
- GLTX

Part No.  
TX12V23A



### 12V DC 1.2AH Sealed Lead Acid Battery

- 12VDC  
- Maintenance free sealed lead acid battery  
- Non-spillable construction design  
- High quality and high reliability  
- Low self discharge characteristic  
- Power failure backup battery  
\*Available in 1.2AH and 7AH versions\*

Part No.  
D12V1.2  
D12V7



### 12V 350mA Fully Automatic Sealed Lead Acid Battery Charger

Part No.  
PSLEADCHRG

## AC / DC POWER SUPPLIES



### Switchmode Power Supplies

Available in:  
- 5 Volt DC 1 Amp  
- 5 Volt DC 500mA  
- 12 Volt DC 500mA  
- 12 Volt DC 4.16 Amp  
- 12 Volt DC 1.5 Amp  
- 18 Volt DC 0.5mA  
- 18 Volt DC 2.3 Amp

Part No.  
PS5VDC500MA  
PS5VDC1AMP  
PS12VDC500MA  
PS12VDC416AMP  
PS18VDC23AMP  
PS12VDC15AMP  
PS18VDC05MA



### 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



### 19V 2Amp Power Supply for Watchguard DVR4CHSOV5H264

19VDC power supply for use with the Watchguard DVR4CHSOV5H264.

Part No.  
PS19V2A



### 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

# POWER SUPPLIES, CABLES, CONNECTORS & ACCESSORIES



## Power Supply for Commax Video Intercoms

18V DC Power Supply for Commax Video Intercoms

**Part No.**  
PS18VDC



## Switch Mode Power Supply 48VDC, 2.5 Amp

- Input 100-240V AC / 50Hz 2A  
- Output 48VDC / 2.5 Amp  
- Used for supplying power to IP cameras

**Part No.**  
PS48VDC25A



## 24VAC 2.5 Amp Power Adaptor

- Input 120VAC, 60Hz, 70VA  
- Output 24VAC, 2.5 Amp, 60VA

**Part No.**  
PS24VAC25AMP



## 24VDC 2 Amp Power Adaptor

- Output 24VDC, 2 Amp

**Part No.**  
PS24VDC2AMP

## 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 Connectors

- BNC (Standard compression type)  
Available Models:  
- VSFBNC (For RG59U 750 Ohm Coax Cable)  
- VSFBNC3 (With Separate Pin. For RG59 Coax Cable)

**Part No.**  
VSFBNC  
VSFBNC3



## High Quality Compression BNC Plug

- For RG6 Cable

**Part No.**  
VSFBNC6



## High Quality Compression BNC Plug

- For RG59 Cable

**Part No.**  
VSFBNC59



## BNC Jack to Jack Bulkhead

**Part No.**  
VSFBNCBULKHEAD



## Twist BNC Connector

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

**Part No.**  
VSFBNCTWIST



## RCA Plug to F-Type Jack

**Part No.**  
VSFRFPT



## F-Type Plug to BNC Plug

**Part No.**  
VSFFPBP



## F-Type Plug to RCA Jack

**Part No.**  
VSFFPRJ



## F-Type Plug to BNC Jack

**Part No.**  
VSFFPBJ

# POWER SUPPLIES, CABLES, CONNECTORS & ACCESSORIES



**BNC Plug to RCA Plug**

**Part No.**  
VSFBPRP



**36" Cable with Power Socket on Single End**

**Part No.**  
VSPS36C



**BNC Plug to F Jack**

**Part No.**  
VSFBPFJ



**Power Plug to Power Plug 6" Adaptor Cable**

**Part No.**  
VSP2PAC



**Inline BNC Connector, Socket to Socket**

- BNC Socket to BNC Socket

**Part No.**  
VSFB2B



**1 Female to 2 Male Power Couplers**

**Part No.**  
VSDC1F2M



**BNC Plug to Plug 6" Adaptor Cable**

**Part No.**  
VSBNC2PAC



**1 Female to 4 Male Power Couplers**

**Part No.**  
VSDC1F4M



**RCA Plug to BNC Jack 6" Adaptor Cable**

**Part No.**  
VSRCAP2BNCJAC



**Power Socket to Screw Mount 6" Adaptor Cable**

**Part No.**  
VSPS2SMAC



**36" Cable with 12VDC Power Plug on Single End**

**Part No.**  
VSPP36C



**DC Power Plug to Screw Terminal**

- DC Plug Dimensions: 5.5 mm Outer Diameter, 2.1 mm Inner Diameter.

**Part No.**  
VSDCCABLE



**DC Power Jack to Jack, Coupler**

**Part No.**  
VSDCJ2JC





## DC Power Connector - Plug to Mini Terminal Block

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

**Part No.**  
VSDCPMTB



## Low Voltage Battery Cut-Off

This Low Voltage Battery Cut-Off connects to your 12 or 24VDC power supply or alarm panel and prevents the complete discharge of the backup batteries. The product has an adjustable voltage knob, allowing you to calibrate the voltage cut-off range to suit your requirements, and the Master On/Off switch easily turns On/Off both AC and DC power to the control panel or power supply.

**Part No.**  
VSPOWCUTOFF



## 5-Way Power Splitter

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

**Part No.**  
DC4CHLOOM

## 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



## Pre-terminated Combined Power & BNC Video Leads

Pre-terminated cables with no crimping required. Your plug & 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

**Part No.**  
VSFRLPR  
VSFRLPB  
VSFRLPY  
VSFRLSR



## Power Converter - Max 36VAC/DC convert to 12VDC Adaptor

- Max 36V AC/DC converted into 12VDC with power adaptor connector.
- 1 Amp max. Regulator

**Part No.**  
VSPOWCONVERTER



## DC Power Connector Plug

Model: VSFDCP



## DC Power Connector Socket

Model: VSFDCPF2.1

## DC Power Connector Plug

Model: VSFDCP2.5

**Part No.**  
VSFDCP  
VSFDCPF2.1  
VSFDCP2.5



## Connector Strip with Screw Terminals for Distributing Power to Cameras

- One Input
- 8 Outputs
- Polarity Markings

**Part No.**  
VSTBB



## 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

## UNINTERRUPTIBLE POWER SUPPLIES



### PRO Series Tower UPS

Suitable for standalone DVRs, 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



UPS3000VAXC - 2100W

### Uninterruptible Power Supplies

- Same unit can be used as tower or rack mount
- Hot swappable battery
- Selectable input/output voltage
- RS232 and USB communication
- Built in voltage stabiliser
- Line interactive
- True sine wave output
- Simple control and compact design
- SNMP compatible allowing web control and monitoring
- Generator compatible



UPS1000VAXC - 700W



UPS2000VAXC - 1340W

**Part No.**  
UPS1000VAXC  
UPS2000VAXC  
UPS3000VAXC  
UPS1000VAXCRM  
UPS2000VAXCRM  
UPS3000VAXCRM

## CCTV POWER SUPPLIES



### 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 18 Channel 10A Switch Mode CCTV Power Supply

Designed specifically for use in the CCTV industry, this 24VAC switch mode power supply can be used to provide power to 18 CCTV cameras (cameras rated at less than 500mA).

- Input Voltage can be selected between 110V and 220V
- Voltage Adjustment
- Panel Isolation Switch ON/OFF
- Parallel CCTV Camera Connection: For CCTV Cameras rated at more than 500mA, multiple outputs can be connected in parallel to increase the total output current.

**Part No.**  
PS24VAC10A18CH

## 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



**4 Core Cable 4 x 14.20mm Stranded 100m Roll**

**Part No.**  
D4CC2



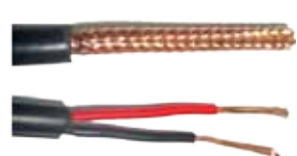
**6 Core Alarm Cable 6 x 7/0.2mm Stranded 100m Roll**

**Part No.**  
D6CC



**Full Copper RG59 75Ohm Coax Cable 100m/R**

**Part No.**  
DCOAXFC



**100m Roll Combined Coax/Power Cable - Black 95% Braiding**

- Combined coax/power cable
- 100% copper conductor
- 95% copper braiding
- Fig 8 - (2 x 24/0.2mm Stranded)
- RG59 75 Ohm
- 100m Roll

**Part No.**  
DCOAXPWR24FCBP

## TOOLS



**7.6 inch Professional Compression Tool**

- Adjustable and changeable for waterproof connectors.
- Suitable for F/RCA/BNC RG-59, 6 (4C,5C) waterproof connectors.

**Part No.**  
VSCOMPTOOL



**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



**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



**5-in-1 Multi Purpose 12VDC Tester**

Although compact in size, this 5-in-1 Multi Purpose 12VDC Tester is an essential product for installers who need to perform troubleshooting tests while installing CCTV surveillance systems. The five tests which the unit can perform are:

1. Voltage Test
2. Load Test
3. Voltage Drop Test
4. PTC Fuse Test
5. Polarity

**Part No.**  
VSVOLTTESTER



**Cable Tester - Tone Generator & 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 color 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

## VIDEO/POWER PASSIVE BALUNS



### Camera Side RJ45 Jack BNC Male Pigtail Passive Balun

- Camera Side
- BNC Male & DC Plug Pigtail
- 1 pair video, 3 pair power
- Power Input/Output:
  - VSBAL-CRJBMP: 12/18VDC Input/Output
  - VSBAL-CRJBMP500MA: Max. 36VAC/DC Input/12VDC Regulated max 500mA Output

#### Part No.

VSBAL-CRJBMP  
VSBAL-CRJBMP500MA



### Monitor Side RJ45 Jack BNC Male Pigtail Passive Balun

- Monitor Side
- BNC Male Pigtail
- 1 pair video, 3 pair power
- Power Input/Output:
  - VSBAL-MRJBMP: 18/18VDC Input/Output
  - VSBAL-MRJBMP500MA: Max. 36VAC/DC Input/Output

#### Part No.

VSBAL-MRJBMP  
VSBAL-MRJBMP500MA



### Camera Side Terminal Block BNC Male Pigtail Passive Balun

- Camera Side
- BNC Male & DC Plug Pigtail to Terminal Block
- 1 pair video, 3 pair power
- Power Input/Output:
  - VSBAL-CTBBMP: Max 36VAC/DC Input to 12VDC Output Regulated 750mA max.
  - VB870-PW-750-ADJ: Max. 36VAC/DC Input to 0~18VDC (Adjustable), Regulated max 750mA Output

#### Part No.

VSBAL-CTBBMP  
VSBAL-CTBBMP750MA



### Monitor Side Terminal Block BNC Male Pigtail Passive Balun

- Camera Side
- BNC Male Pigtail to Terminal Block & DC Power Jack
- 1 pair video, 3 pair power
- Power Input/Output: Max 36VAC/DC Input/Output

#### Part No.

VSBAL-MTBBMP



### Single Passive Video/Power/Data Balun

Future-proof your installations by running economical CAT-5/CAT-6 cable for all your analogue installs now and allow for future upgrade to IP video surveillance.

- Transmits video, power and data over CAT-5/ 6
- RJ45 Jacks
- Video: BNC male pigtail
- Power: DC male and female pigtail
- Data: 2 wires (ie. send PTZ control via RS-485)

#### Part No.

VSBALCATPAIR

## VIDEO PASSIVE BALUNS



### BNC Male 20cm Pigtail to Screw Terminal Video Passive Balun

- Camera and Monitor Side
- BNC Male Pigtail to Screw Terminal
- 300m CAT5 Passive-Passive Colour Transmission Distance

#### Part No.

VSBAL-BMPSTP



### 4 BNC Male Pigtail to 1 RJ45 Jack 4 Port Video Passive Balun

- Camera and Monitor Side
- 4 BNC Male Pigtail
- RJ45 Jack
- 300m CAT5 Colour Transmission Distance

#### Part No.

VSBAL-4BM1RJP



### 4 BNC Female to 1 RJ45 Jack 4 Port Video Passive Balun

- Camera and Monitor Side
- 4 BNC Female Connectors
- RJ45 Jack
- 300m CAT5 Colour Transmission Distance

#### Part No.

VSBAL-4BFRJP



### 4 BNC Female to 8 Terminal Block 4 Port Video Passive Balun

- Camera and Monitor Side
- 8 Terminal Block to 4 BNC Female Connector
- 300m CAT5 Colour Transmission Distance

#### Part No.

VSBAL-4BF8TBP



### 4 BNC Male Pigtail to 8 Terminal Block 4 Port Video Passive Balun

- Camera and Monitor Side
- 8 Terminal Block to 4 BNC Male Pigtail
- 300m CAT5 Colour Transmission Distance

#### Part No.

VSBAL-4BM8TBP



### 4 Port RJ45 Jack Video/Power Distribution Hub

- Works between the monitor and camera baluns, to pass through camera video and supply power for up to 4 camera baluns.
- 4 Port RJ45 to RJ45 Jack
- 18VDC 2.3 Amp Power Adaptor

#### Part No.

VSBAL-4RJVPDH



## Quad Passive Video Balun - RJ45 Jack to 4 BNC Female Connectors

- For both camera side and monitor side.
- Camera/Monitor Connectors: 4 BNC Female.
- Wire Connector: RJ45 Jack.
- Wire required: CAT5, or better.
- Frequency response: DC to 6.5 MHz
- Attenuation: 75 ohm to 100 ohm about 0.4dB
- Impedance: Coax/75 ohm, UTP cable/100 ohm.
- Coaxial Cable: unbalanced, 75 ohm.
- UTP C5: balanced, 24 AWG, 100 ohm.

Part No.  
VSQUADBALUN



## 1 Channel Active Balun, Camera Side

- 1 Channel Active Camera Side Video Balun.
- 12VDC 50mA
- Connector for camera: BNC Male, BNC Female, F Male, F Female, 20cm BNC Male Cable
- Screw Terminal Wire Connector

Part No.  
VSBALACTIVE

## VIDEO AMPLIFIERS & DISTRIBUTORS



## 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



## 1 Video Signal to 1 Video Output

- Video Input/Output: 1/1
- Video Connector: BNC Female
- Power Consumption: 12VDC 150mA

Part No.  
VSAV11BNCF

## VIDEO ACTIVE BALUNS



## Monitor Side BNC Male Video Active Balun

- Monitor Side
- BNC Male to Screw Terminal
- 12VDC Power Plug
- 1800m CAT5 Active-Active Transmission Distance

Part No.  
VSBAL-MBMAA



## 1 Video Signal to 2 Video Output

- Video Input/Output: 1/2
- Video Connector: BNC Female
- Power Consumption: 12VDC 150mA

Part No.  
VSAV12BNCF



## 1 Video Signal to 4 Video Output

- Video Input/Output: 1/4
- Video Connector: BNC Female
- Power Consumption: 12VDC 150mA

Part No.  
VSAV14BNCF



## Camera Side BNC Male Video Active Balun

- Camera Side
- BNC Male to Screw Terminal with DC Power Plug and Socket Pigtail
- 12VDC Power Plug
- 1800m CAT5 Active-Active Transmission Distance

Part No.  
VSBAL-CBMAA



## 2 Video Signal to 4 Video Output

- Video Input/Output: 2/4
- Video Connector: BNC Female
- Power Consumption: 12VDC 300mA

Part No.  
VSAV24BNCF



## Camera Side BNC Male Video Active Balun

- BNC Male to Screw Terminal with 12VDC Plug Pigtail
- 1800m CAT5 Active-Active Video Transmission Distance
- Model also available with inbuilt surge protector

Part No.  
VSBAL-CBMAL



## 4 Video Signal to 4 Video Output

- Video Input/Output: 4/4
- Video Connector: BNC Female
- Power Consumption: 12VDC 500mA

Part No.  
VSAV44BNCF

## VIDEO BALUN RACKMOUNT PANELS



\*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



### Quad Video Passive Balun BNC Female Bulkhead Panel Mount

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

**Part No.**  
VSQC-3427RM

## VIDEO SURVEILLANCE PROTECTION EQUIPMENT



### 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



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

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

**Part No.**  
VSSPR

### 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

### 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 COUNTER



### Single Button Remote Control, available in Fixed and Rolling Code

- GLTX - Fixed Code
- The GLTX is used for the Rhino LS and GA car alarms
- GLRLTX - Rolling Code

**Part No.**  
GLTX  
GLRLTX



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

- 3 button remote With LED torch
- As supplied With Rhino JAGV2, RAV3 & RAMV2 Car Alarm
- Also compatible with Rhino RCX, RES4601V2, WGSMS2010

**Part No.**  
RCTX3-T



## 4 Button Code Hopping Remote Control for RAV3

- As supplied with the Rhino RA (V3) and Jag (V3) car alarm
- Also compatible with Rhino RCX, RES (4601V2) and WGSMS2010

**Part No.**  
RAV3TX



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

Yellow LED: Code Hopping, suits Rhino RCX and RES4601V2 immobilisers, WGUARDSMS2010

Red LED: Code Hopping, suits Rhino GTS Car Alarm

Green LED: Fixed code suits Rhino GTR Car Alarm

**Part No.**  
GTTX  
GTSTX  
GTRTX



## 4 Button Code Hopping Remote - As supplied with Rhino RXPROR4

- As supplied with Rhino RXPROR4. Optional use with Rhino RCX, RES, JAG, RAM, WGSMS2010

- 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

Please check our website for the latest product release!



Programmable  
4-Button  
Replacement Remote!

For your old Car Alarm,  
Home Alarm, Garage Door or  
Electric Gate.



## UHF Learning 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

## Frequency Counter for Scanning & Adjusting Remotes



\* Remote Control Not Included

### 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

Part No.  
FREQCOUNTER



REMOTESPIRIT

### 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.

This remote is the ideal product to replace lost or damaged air conditioner remotes and can control multiple functions including fan speed and air swing direction.

#### Features:

- Low power consumption.
- Long distance transmission range
- Simple to set up and operate
- Clear LCD screen, easily shows functions such as temperature and operating mode
- Elegant and simplistic design.
- Lightweight (56 grams)
- Dimensions (mm): 135 (H) x 47 (W) x 23 (D)
- Requires only 2 x AAA batteries to operate



Part No.  
RS10

## ALARM PADLOCK

# SCARE AWAY THIEVES!



## Alarm Padlock with ear-piercing ultra loud siren when movement or shock is detected!

### Watchguard 110dB Siren Alarmed Padlock

This Security Alarm Padlock, when armed, emits an ear-piercing ultra loud siren when movement or shock is detected, increasing the chances of scaring away thieves and protecting your valuables. The padlock features a 110db internal siren which sounds if the lock is moved, touched or knocked after it has been armed. The padlock has been manufactured to the highest standards, with a stainless steel shackle and hardened zinc alloy body. The body of the padlock has been powder-coated providing extra corrosion, water and weather resistance. The versatility of the padlock make it suitable for use in any number of applications, including garden sheds, gates, garages, lock-boxes, bikes, toolboxes, trailers, caravans, lawn mowers and garden machinery.



IDEAL FOR: Sheds, Gates, Garages, Lockups, Bikes, Toolboxes, Trailers, Caravans, Lawn Mowers, Garden Machinery, etc.

Part No.  
WGALPAD





# Business Phone Systems

## PBX BUSINESS PHONE SYSTEMS

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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 White**

#### 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
- Voice attendant
- Multiple units may be stacked to increase call capacity

#### Part No.

EASYPBX-VACARD

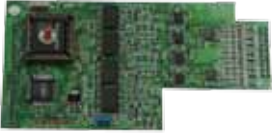


### Voicemail Expansion Card

- 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 adaptor above
- Available in 1m, 10m, 20m or 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 : 1.2m

Part No.  
AUDIOCABLE



# Access Control

## EZON DIGITAL DOOR LOCKS

PIN Code, Biometric & Card Reading Digital Door Locks & Accessories ..... 78



## EZON INTERCOM SYSTEMS

High Quality Video Intercom Systems & Accessories ..... 80



## COMMAX AUDIO & VIDEO DOORPHONE

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## COMMAX AUDIO / VIDEO PHONE APARTMENTS

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



**SAMSUNG** **EZON** *Quality, Reliability & Style...*

## SAMSUNG EZON DOOR LOCKS



### EZON Touch Screen Digital Door Lock (Silver)

Slim and elegant in design with a brush aluminum and tempered glass finish, the 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



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

Slim and elegant in design with a pearl black and tempered glass finish, the 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



### EZON Touch Screen Digital Door Lock (Black)

Slim and elegant in design with a pearl black and tempered glass finish, the 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



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

The 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



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

Touch the Pride with the 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



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

The 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



## EZON Biometric Door Lock - Rim Type - Blue

The 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



## EZON Biometric Door Lock - Rim Type - Silver

The 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 Touch Keys for EZON doorlocks

These are spare/replacement touch keys for compatible Samsung EZON doorlocks. Each pack comes with two keys.

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

Part No.  
EZSHS-ACK100



## Replacement RF SmartCards for EZON doorlocks

These are replacement RF SmartCards for compatible EZON doorlocks.

Part No.  
EZSHS-DAKTX01

# ACCESS CONTROL

## SAMSUNG EZON INTERCOM KITS



System Capacity



### EZON 5" Deluxe Intercom System with Camera

The 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 and a security alarm which activates when the magnetic contact sensor is triggered.

**Part No.**

EZSHT-3005XA



System Capacity



### EZON 7" Intercom System with Camera

The 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.

**Part No.**

EZSHT-3207XB

## SAMSUNG EZON INTERCOM ACCESSORIES



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

Additional 5" monitor for use with EZSHT-3005XA

**Part No.**

EZSHT-3005XM



### EZON Metal Door Station Pinhole Camera

The EZON EZSHT-CP610 is a metal door station pinhole camera. It has a 1/3" colour pinhole CCD with night vision. The camera is compatible with both the EZSHT-3005 and EZSHT-3207 video intercom systems.

**Part No.**

EZSHT-CP610



### EZON Plastic Door Station

The SHT-CN510 is a Deluxe Door Camera designed for use with the Samsung EZON EZSHT-3005 and EZSHT-3207 range of Video Door Phones.

**Part No.**

EZSHT-CN510



### EZON Intercom Audio Subset

The 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



## 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.

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:INTDPA01SD

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

Part No.  
INTAKITB  
INTDPA01SD

## 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:

- B&W Monitor: Part No.INTDPV4HPD
- Audio Handset: Part No.INTDP4VR
- Video Door Station: Part No.INTDRC40BS

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

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 + 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. VSTP936IRAV

System Capacity  
Monitors Cameras

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

Part No.  
INTVKITD  
INTCAV71B  
INTDRC40CS  
VSTP936IRAV

## AUDIO PHONE APARTMENTS



### 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

## VIDEO DOORPHONE APARTMENTS



### Apartment Black/White Digital Video Intercom - Max 32 Units

APARTMENT VIDEO INTERCOM (DIGITAL PUSH BUTTON TYPE)/ 5 DOOR ENTRIES + 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 Black/White Digital Video Intercom - Max 240 Units

APARTMENT VIDEO INTERCOM (DIGITAL KEYPAD TYPE)/ 5 DOOR ENTRIES + 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 + 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



### Apartment Colour Digital Video Intercom - Max 8 Units

APARTMENT VIDEO INTERCOM (DIGITAL PUSH BUTTON TYPE)/ 5 DOOR ENTRIES + 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.



*We are your engineering design house - At your service*

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