



Product Catalogue

Electronic Security & Energy Efficient LED Lighting Distributors



ELECTRONIC SECURITY SIMPLIFIED

with RhinoCo's latest range of IP CCTV, Analogue CCTV & Building Security Packages



Celebrating 35 Years of Supplying the Electronic Security Industry

- IP & ANALOGUE CCTV SURVEILLANCE
- HOME & BUILDING SECURITY
- CAR ALARMS & IMMOBILISERS
- POWER SUPPLIES & CABLES
- BUSINESS PHONE SYSTEMS
- ACCESS CONTROL SYSTEMS
- ENSA LED LIGHTING
- GPS TRACKING SYSTEMS
- INTERCOM SYSTEMS

COMPANY PROFILE

Edition 20 - July 2013

RhinoCo Technology has been an integral part of the electronic security industry since 1978. Our company is proudly Australian-owned and still growing after 35 years in business.

We have become best known for our world renowned Rhino™ brand of vehicle security systems, our ENSA™ brand of LED lighting solutions, our Watchguard™ brand of wireless security and surveillance systems, our Securview™ range of professional video surveillance equipment, our VIP Vision™ range of IP Surveillance solutions and our EasyPBX™ business phone systems.

Since our beginning, we have been designing our own range of electronic security products, with dedicated teams of hardware and software engineers that focus on key product areas.

Our aim is to be more than your electronic security wholesaler and distributor. We strive to be an engineering & design house that provides tailored electronic security solutions to your specific needs. Whatever our client requirements, we strive to provide the winning solution.



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We Are Your Engineering Design House Product Development Services Available



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SECURVIEW



VIP VISION NETWORK CCTV KITS

The VIP Vision NVRVIPPACK range utilises the high quality VIP Vision interface and Video Analytic Software with features such as intelligent search and people/object counting. Each NVRVIPPACK kit is a comprehensive megapixel CCTV solution that can be scaled to fit any application. All NVRVIPPACK models come bundled with all required components including pre-installed hard drives up to 10TB, power over ethernet switches (PoE), CAT5 cables and power supplies.



Watch on Your Smartphone



Web-Based Remote Live View



Email Alerts on System Events



Searchable Point of Sale



Intelligent Search Functionality



128CH Remote LiveView (Requires 2 Monitors)



VIP Vision Scalable Network Video Recorder Surveillance Kits

Part No: NVR8VIPPACK / NVR16VIPPACK / NVR24VIPPACK

The NVRVIPPACK range comes in three different kits: 8 channel, 16 channel and 24 channel. Each kit utilises the high quality VIP Vision interface and video analytic software. Each kit's NVR features 30fps global maximum recording rate; real time display frame rate; remote network and USB backup; and network functionality such as live monitoring, remote playback and remote configuration.

8 Channel Kit Includes:

- 8 Channel H.264 Network Video Recorder
- 8 Port Power Over Ethernet Switch
- 2x 2TB Hard Drives for 4TB Total Capacity
- 4x 2 Megapixel Vandal Resistant Mini Dome
- 4x 3 Megapixel Vandal Resistant 20m IR Dome
- 8x 30m CAT5 Cables / 1.5m CAT5 Cable

16 Channel Kit Includes:

- 16 Channel H.264 Network Video Recorder
- 24 Port Managed Power Over Ethernet Switch
- 4x 2TB Hard Drives for 8TB Total Capacity
- 8x 2 Megapixel Vandal Resistant Mini Dome
- 8x 3 Megapixel Vandal Resistant 20m IR Dome
- 16x 30m CAT5 Cables / 1.5m CAT5 Cable

24 Channel Kit Includes:

- 24 Channel H.264 Network Video Recorder
- 24 Port Managed Power Over Ethernet Switch
- 5x 2TB Hard Drives for 10TB Total Capacity
- 16x 2 Megapixel Vandal Resistant Mini Dome
- 8x 3 Megapixel Vandal Resistant 20m IR Dome
- 24x 30m CAT5 Cables / 1.5m CAT5 Cable



CAMERA SPECIFICATION	VSIP3MPVDIR
Image Sensor	1/2.8" 3.0 Megapixel Sony Exmor CMOS
Min. Illumination	Colour: 0.2 Lux/F1.4 / B&W: 0.01 Lux/F1.4
Lens	3.3-12mm @ F1.4 / Manual/Auto Iris (DC)
Angle of View	79.3° (Wide) ~ 29.8° (Tele)
Maximum IR Range	20m
Supported Resolutions	3.0MP (2048x1536) / 1080p (1920x1080) / 720p (1280x720) / D1 (704x576) / CIF
Frame Rate	3.0MP (1~20fps) / 1080p, 720p (1~25/30fps)
Video Compression	H.264 / MJPEG with Dual Stream Encoding
Housing Rating	IP66
Dimensions	Ø160mm x 119mm
Power	24VAC / 12VDC / PoE



CAMERA SPECIFICATION	VSIP2MPVDMINI3.6
Image Sensor	1/3" 2.0 Megapixel Sony Exmor CMOS
Min. Illumination	Colour: 0.2 Lux/F1.6 / B&W: 0.01 Lux/F1.6
Lens	Fixed 3.6mm @ F1.6
Angle of View	70°
Supported Resolutions	1080p (1920x1080) / 720p (1280x720) / D1 (704x576) / CIF (352x288)
Frame Rate	1080p, 720p (1~25/30fps)
Video Compression	H.264 / MJPEG with Dual Stream Encoding
Housing Rating	IP66
Dimensions	Ø110mm x 54mm
Power	12VDC / PoE

* 8 Channel model shown. Monitor (LCDLG23W) not included with NVRVIPPACK range, optional only. See page 22 for monitor options.



VIP Vision 4/8/16/24 Channel IP NVR Systems

Part No: NVR04 (4 IP Licenses) NVR16 (16 IP Licenses)
NVR08 (8 IP Licenses) NVR24 (24 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 channels simultaneously with the VIP Vision CMS², 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.

Compatible with IP cameras from leading manufacturers such as Securview, Samsung, Arecont Vision and ACTi plus any ONVIF compliant device.

Mix & Match IP Cameras for NVRVIP NVRs: See page 10-11 for IP Camera Range

Features:

- Built-in Versatile, 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
- Dual Monitor Display

² CMS Sold Separately



VIP Vision Central Management System Server Software

Part No: NVR-SERVERSW (CMS Software & 4 Clients)
NVR-CLIENTSW (Additional 4 Clients)

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 the VIP Vision NVRVIPACK and NVR04-24. 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.

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



VIP Vision Additional IP Camera Licenses

Part No: NVR-IP01 (1 License)	NVR-IP12 (12 Licenses)
NVR-IP04 (4 Licenses)	NVR-IP16 (16 Licenses)
NVR-IP08 (8 Licenses)	

These sets of IP Camera Licenses are available in 1, 4, 8, 12, 16 quantities. IP licenses are only for use with the Hybrid or NVR Base Kits up to a maximum of 24 IP Channels.



VIP Vision Digital Video Server

Part No: VSIPENCODER

- High performance DSP hardware compression
- H.264 video compression
- Dual streams
- Support variable bit rate and frame rate
- Embedded Linux OS
- Convert any analogue camera to IP



High Capacity Additional Network Attached Storage

Part No: DVNAS3RU16B

- Designed to be used as Additional high capacity NVR storage
- Comes in 16 Bay 3RU Case
- Includes 500W power supply
- Does not include hard disk drives

VIP Vision USB to RS232/422/485 Converter

Part No: NVR-C08

External USB to RS232/422/485 converter.



VIP Vision 16 Channel Digital Output RS485 Module

Part No: NVR-C26

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



VIP Vision 4 Channel In/Out RS485 Module

Part No: NVR-C28

4 Channel external digital input and 4 Channel output module for a VIP VISION DVR or NVR. Product requires NUUO-C08 for operation.



VIP Vision Point of Sale Converter-Inserter

Part No: NVR-C31

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





WATCH ON YOUR SMARTPHONE

RECORD HIGH DEFINITION **720P HD**

INCLUDES POWER OVER **ETHERNET**

VIP Vision Stand Alone Network Video Recorder Surveillance Kits

Part No: NVR4PROPACK / NVR8PROPACK2 / NVR16PROPACK2

The NVRPROPACK range comes in three different kits: 4 channel, 8 channel and 16 channel. The stand alone kits are designed for quick installation and ease of operation. Each kit features motion detection recording, scheduling, alarm system integration and remote viewing. Each kit includes all required components including pre-installed hard drive, Power over Ethernet switches, CAT5 cables and power supplies.

NVR4PROPACK Kit Includes:

- 4 Channel H.264 Network Video Recorder
- Record 720p at 25fps Across All Channels
- HDMI and VGA Video Outputs
- Built-in 4 Port Power Over Ethernet
- 1x 1TB Hard Drive, USB Mouse, HDMI Cable
- 4x 1.3MP Weatherproof IR Bullet Cameras
- 2x 10m/1x 20m/1x 30m CAT5 Cables

NVR8PROPACK2 Kit Includes:

- 8 Channel H.264 Network Video Recorder
- Record 720p at 25fps Across All Channels
- HDMI and VGA Video Outputs
- Built-in 8 Port Power Over Ethernet
- 1x 2TB Hard Drive, USB Mouse, HDMI Cable
- 4x 1.3MP Weatherproof IR Bullet Cameras
- 4x 1.3MP Weatherproof IR Dome Cameras
- 4x 10m/2x 20m/2x 30m/2x 1.5m CAT5 Cables

NVR16PROPACK2 Kit Includes:

- 16 Channel H.264 Network Video Recorder
- Record 720p at 12fps Across All Channels
- HDMI and VGA Video Outputs
- 3x 8 Port Power Over Ethernet Switch
- 1x 2TB Hard Drive, USB Mouse, HDMI Cable
- 8x 1.3MP Weatherproof IR Bullet Cameras
- 8x 1.3MP Weatherproof IR Dome Cameras
- 8x 10m/4x 20m/4x 30m/3x 1.5m CAT5 Cables

OR - Mix & Match IP Cameras for NVRPRO NVRs* - See page 10-11 for IP Camera Range

*Not compatible with all VIP Vision Cameras; may exclude some camera models and configurations.



CAMERA SPECIFICATION	VSIP1MPFBIR
Image Sensor	1/3" 1.3 Megapixel Aptina CMOS
Min. Illumination	Colour: 0.1 Lux/F1.2 / B&W: 0.005 Lux/F1.2
Lens	Fixed 3.6mm @ F1.8
Angle of View	70°
Maximum IR Range	20m
Supported Resolutions	1.3MP (1280x960) / 720p (1280x720) D1 (704x576) / CIF (352x288)
Frame Rate	1.3MP (1~15fps) / 720p (1~25/30fps)
Video Compression	H.264 / MJPEG with Dual Stream Encoding
Housing Rating	IP66
Dimensions	Ø65mm x 145mm
Power	12VDC / PoE

CAMERA SPECIFICATION	VSIP1MPDIR
Image Sensor	1/3" 1.3 Megapixel Aptina CMOS
Min. Illumination	Colour: 0.1 Lux/F1.4 / B&W: 0.005 Lux/F1.4
Lens	Fixed 2.8mm @ F1.8
Angle of View	85°
Maximum IR Range	20m
Supported Resolutions	1.3MP (1280x960) / 720p (1280x720) D1 (704x576) / CIF (352x288)
Frame Rate	1.3MP (1~15fps) / 720p (1~25/30fps)
Video Compression	H.264 / MJPEG with Dual Stream Encoding
Housing Rating	IP66
Dimensions	Ø114mm x 86mm
Power	12VDC / PoE

* 8 Channel model shown. Monitor (LCDLG23W) not included with NVRPROPACK range, optional only. See page 22 for monitor options.



5.0 Megapixel Motorised Lens Vandal Resistant Dome

Part No: VSIP5MPVDIRMP

Image

- 1/2.5" Progressive Scan CMOS Sensor
- Min. Illumination: 0.6 Lux/F1.2
- Varifocal Lens 3.5~9mm at F1.6
- Motorised VF Lens
- 92° (Wide) ~ 36° (Tele) Angle of View
- Record 6.25fps at 5.0MP (2560 x 1920)
- Record 25fps at 1080p (1920 x 1080)
- Pan: 0~355° / Tilt: 0~80° / Rotate: 0~355°

General

- 24VAC / 12VDC / PoE
- IP66 Rating
- MicroSD Card Slot - Up to 32GB
- Ø160mm x 146mm
- 2.10kg



3.0 Megapixel 20m IR Vandal Resistant Dome

Part No: VSIP3MPVDIR

Image

- 1/2.8" Sony Exmor CMOS Sensor
- Min. Illumination: Colour: 0.2 Lux/F1.4
Black & White: 0.01 Lux/F1.4
- Varifocal Lens 3.3~12mm at F1.4
- 79° (Wide) ~ 30° (Tele) Angle of View
- 20m Maximum Infrared Range
- Record 18fps at 3.0MP (2048 x 1920)
- Record 25fps at 1080p (1920 x 1080)

General

- 24VAC / 12VDC / PoE
- IP66 Rating
- MicroSD Card Slot - Up to 32GB
- Ø160mm x 119mm
- 1.25kg



3.0 Megapixel 20m IR Vandal Resistant Mini Dome

Part No: VSIP3MPVDMINIIR

Image

- 1/3" Progressive Scan CMOS Sensor
- Min. Illumination: Colour: 0.7 Lux/F1.2
- Fixed 4mm Lens at F2.0
- 76° Angle of View
- 20m Maximum Infrared Range
- Record 12.5fps at 3.0MP (2048 x 1920)
- Record 25fps at 1080p (1920 x 1080)

General

- 12VDC / PoE
- IP66 Rating
- Ø111mm x 82mm
- 0.50kg



2.0 Megapixel Vandal Resistant Mini Dome

Part No: VSIP2MPVDMINI3.6

Image

- 1/3" Sony Exmor CMOS Sensor
- Min. Illumination: Colour: 0.2 Lux/F1.6
Black & White: 0.01 Lux/F1.6
- Fixed 3.6mm Lens at F1.6
- 70° Angle of View
- Record 25fps at 1080p (1920 x 1080)

General

- 12VDC / PoE
- IP66 Rating
- MicroSD Card Slot - Up to 32GB
- Ø110mm x 54mm
- 0.25kg



1.3 Megapixel 20m IR Weatherproof Mini Dome

Part No: VSIP1MPDIR

Image

- 1/3" Aptina CMOS Sensor
- Min. Illumination: Colour: 0.1 Lux/F1.4
Black & White: 0.005 Lux/F1.4
- Fixed 2.8mm Lens at F1.6
- 85° Angle of View
- 20m Maximum Infrared Range
- Record 15fps at 1.3MP (1280 x 960)
- Record 25fps at 720p (1280 x 720)

General

- 12VDC / PoE
- IP66 Rating
- Ø114mm x 86mm
- 0.28kg





5.0 Megapixel Full Body Camera

Part No: VSIP5MPFB



Image

- 1/2.5" Aptina CMOS Sensor
- Min. Illumination: Colour: 0.6 Lux/F1.2
Black & White: 0.08 Lux/F1.2
- *Lens Not Included
- Record 8fps at 5.0MP (2560 x 1920)
- Record 15fps at 3.0MP (2048 x 1920)
- Record 25fps at 1080p (1920 x 1080)
- Backlight Compensation: BLC/HLC/DWDR

General

- 24VAC / 12VDC / PoE
- MicroSD Card Slot - Up to 32GB
- 70mm x 150mm x 63mm
- 0.65kg
- *Housing Not Included



3.0 Megapixel 20m IR Weatherproof Full Body

Part No: VSIP3MPFBIR



Image

- 1/2.8" Sony Exmor CMOS Sensor
- Min. Illumination: Colour: 0.2 Lux/F1.4
Black & White: 0.01 Lux/F1.4
- Varifocal Lens 3.3~12mm at F1.4
- 79° (Wide) ~ 30° (Tele) Angle of View
- 20m Maximum Infrared Range
- Record 18fps at 3.0MP (2048 x 1920)
- Record 25fps at 1080p (1920 x 1080)

General

- 24VAC / 12VDC / PoE
- IP66 Rating
- Ø104mm x 307mm
- 1.25kg



3.0 Megapixel 20m IR Weatherproof Mini Bullet

Part No: VSIP3MPFBMINIIR



Image

- 1/3" Progressive Scan CMOS Sensor
- Min. Illumination: Colour: 0.7 Lux/F1.2
Black & White: 0.01 Lux/F1.2
- Fixed 4mm Lens at F2.0
- 76° Angle of View
- 20m Maximum Infrared Range
- Record 12.5fps at 3.0MP (2048 x 1920)
- Record 25fps at 1080p (1920 x 1080)

General

- 12VDC / PoE
- IP66 Rating
- 60mm x 77mm x 140mm
- 0.50kg



2.0 Megapixel 20m IR Weatherproof Mini Bullet

Part No: VSIP2MPFBMINIIR



Image

- 1/3" Sony Exmor CMOS Sensor
- Min. Illumination: Colour: 0.2 Lux/F1.6
Black & White: 0.01 Lux/F1.6
- Fixed 3.6mm Lens at F1.6
- 70° Angle of View
- 20m Maximum Infrared Range
- Record 25fps at 1080p (1920 x 1080)

General

- 12VDC / PoE
- IP66 Rating
- Ø64mm x 160mm
- 0.40kg



1.3 Megapixel 20m IR Weatherproof Mini Bullet

Part No: VSIP1MPFBIR



Image

- 1/3" Aptina CMOS Sensor
- Min. Illumination: Colour: 0.1 Lux/F1.4
Black & White: 0.005 Lux/F1.4
- Fixed 3.6mm Lens at F1.6
- 70° Angle of View
- 20m Maximum Infrared Range
- Record 15fps at 1.3MP (1280 x 960)
- Record 25fps at 720p (1280 x 720)

General

- 12VDC / PoE
- IP66 Rating
- Ø65mm x 145mm
- 0.37kg

3 Megapixel Network Full High-Definition Infrared PTZ Dome Camera

Part No: VSIP3MPPTZIR

Image

- 1/3" CMOS Image Sensor & 20x Optical Zoom
- Min. Illumination: Colour: 0.05 Lux/F1.6 / B&W: 0.005 Lux/F1.6
- 80m Maximum Infrared Range
- Varifocal Lens 4.7mm ~ 94.0mm F1.6~F3.5
- Record 15fps at 3 Megapixels (2048 x 1536)
- Record 25fps at 1080p (1920 x 1080)
- Angle of View: 58.2° (wide) ~ 2.9° (tele)
- Backlight Compensation: BLC / HLC / WDR (100db, 1080p mode)

General

- Ethernet Control RJ-45 (10/100 Base-T)
- Built-in 7 Alarm Input / 2 Output
- Supports MicroSD Card Recording Up to 32GB
- View and Control via Browser/Client Software
- Multiple network protocol support: TCP/IP, HTTP, DHCP, DNS, RTP/RTCP, PPPoE (FTP, SMTP, NTP, SNMP Addible)
- Single Channel Audio Input/Output
- Ø230mm x 382mm
- 12VDC / IP66 Rating



PTZ function:

- 360° Endless Pan Range / -2°~90° Tilt Range / 180° Auto-flip
- PTZ Modes: Up to 255 Preset Modes / 8 Tour / 5 Pattern / Auto Pan / Auto Scan
- 3D Positioning DH-SD / Pelco-P/D Protocols
- Preset Speed: Pan: 240°/s / Tilt: 200°/s
- Idle Motion: Activate Preset, Pan, Scan, Tour, Pattern if no Command Specified

Flashview 1.3 Megapixel Network Camera & Recorder with Video Alert Notification

Part No: VSPV13M

Stay connect with all that you love! A Megapixel internet protocol camera that will let users stay connected and get video notification alerts on their smartphone. When movement is detected in the monitored area, it will automatically record and send an alert to the users. Users can immediately view the alert video and live stream via smartphone, iPad or PC (email).

Image

- 1/3" Live MOS image sensor
- Min. Illumination: 0.1 Lux/F1.5
- Fixed 3.8mm at F1.5
- Detector Range: 76° arc with 5m distance
- Record 25fps at 1.3 Megapixels (1280 x 960)
- Record 25fps at 720p (1280 x 720)

General

- External alarm I/O device connection
- Built-in two-way audio transmission
- Remote surveillance compatible
- MicroSD card storage up to 32GB
- 60(W) x 90(H) x 30(D)mm w/o bracket
- 12VDC power source



* iPhone not included.

MEGAPIXEL IP CAMERA LENSES

SECURVIEW

Securview Manual Megapixel Lenses

**Part No: VSLM6-12MM-MP3
VSLM-AV4.5-10MP5
VSLM-AV8-16MP5**



VSLM6-12MM-MP3

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

VSLM-AV4.5-10MP5

- 4.5~10mm Varifocal Manual Iris 5MP Lens, 1/2" IR Corrected F1.6

VSLM-AV8-16MP5

- 8~16mm Varifocal Manual Iris 5MP Lens, 1/2" Ir Corrected F1.6

SECURVIEW

Securview Automatic Megapixel Lenses

**Part No: VSLA3.5-8MP1
VSLA-AV4.5-10MP5**



VSLA3.5-8MP1

- 3.5~8mm Varifocal Automatic Iris 1.3MP Lens, 1/2"

VSLA-AV4.5-10MP5

- 4.5~10mm Varifocal Automatic Iris 5MP Lens, 1/2" IR Corrected F1.6

The Securview Professional Range of analogue DVRs are fully featured analogue surveillance systems designed with versatility at their core.

This range gives you the freedom to customise your storage, backup, recording and monitoring needs with the largest feature set of any premium analogue DVR.

Features:

RECORD ALL CHANNELS D1@ 25FPS	DVD / USB / NETWORK BACKUP
6 SATA & 1 eSATA UPTO 18TB	WATCH ON YOUR SMARTPHONE
32 SYSTEMS UPTO CHANNELS	MULTIPLE VIDEO OUTPUT HDMI / VGA / BNC
Mix & Match Cameras to DVRVIEW DVRs: See page 16-18 for Camera Range	



SECURVIEW

Professional Real-Time Recording Stand Alone DVR Range

Part No: DVRVIEW8V4 / DVRVIEW16V4 / DVRVIEW24V4 / DVRVIEW32V4

The DVRVIEW DVR range is available in four different systems: 8 channel, 16 channel, 24 channel and 32 channel. Each DVR comes standard with the features listed above. For a more detailed view, see below.

Each DVRVIEW model features:

- H.264 Dual Stream Video Compression
- 1080p Real-time Display Preview
- D1 Recording (704 x 576) in Real-time (25fps) Across All Channels
- 16 Channel Synchronous Real-time Playback
- Built-in DVD / CD Burner for Backup
- Up to 18TB of Internal HDD Storage
- Multiple Video Output - HDMI / VGA / BNC / Spot / TV
- RS485 Compatible for PTZ Control
- 3x USB Ports / Single RS232 Port
- View on Smartphone / Tablet - iOS / Android / Windows Phone
- Dimensions 440(W) x 460(D) x 89(H)mm
- 6.5kg (without HDDs)

*HDDs sold separately

Application Chart: 16 Channel System (DVRVIEW16V4)



* 16 Channel model shown.

WATCHGUARD STAND ALONE ANALOGUE DVRS

The Watchguard DVRENT range is ideal for use in a home or small business, where the owner is after a high quality Digital Video Recorder with entry level functions. Each DVR utilises 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. The DVRENT range now supports Push Video Notifications - receive alarm and motion alerts on your smartphone over the Internet.



Watchguard 4CH Stand Alone Analogue DVR

Part No: DVR4ENT6

4 Channel DVR Features:

- 4 Channel H.264 Digital Video Recorder
- 4 Alarm Inputs (1 Push Video) / 1 Output
- Composite / VGA Video Output
- Supports 1 SATA HDD (Up to 2TB)
- Watch on Smartphone
- 100fps at D1 (704 x 576)
- Infrared Remote Included
- *HDD Not Included

RECORD ALL CHANNELS D1@ 25FPS	WATCH ON YOUR SMARTPHONE
PUSH VIDEO NOTIFICATION	SINGLE SATA PORT UP TO 2TB



Watchguard 8CH Stand Alone Analogue DVR

Part No: DVR8ENT3

8 Channel DVR Features:

- 8 Channel H.264 Digital Video Recorder
- 1 Alarm Inputs (1 Push Video) / 1 Output
- HDMI / Composite / VGA Video Output
- Supports 1 SATA HDD (Up to 2TB)
- Watch on Smartphone
- 100fps at D1 (704 x 576)
- Infrared Remote Included
- *HDD Not Included

RECORD ALL CHANNELS D1@ 12FPS	WATCH ON YOUR SMARTPHONE
PUSH VIDEO NOTIFICATION	SINGLE SATA PORT UP TO 2TB



Watchguard 16CH Stand Alone Analogue DVR

Part No: DVR16ENT2

16 Channel DVR Features:

- 16 Channel H.264 Digital Video Recorder
- 16 Alarm Inputs (4 Push Video) / 1 Output
- Watch on Smartphone
- HDMI / Composite / VGA Video Output
- Supports 2 SATA HDD (Up to 2TB/Port)
- Watch on Smartphone
- 400fps at D1 (704 x 576)
- Infrared Remote Included
- *HDD Not Included

RECORD ALL CHANNELS D1@ 25FPS	WATCH ON YOUR SMARTPHONE
PUSH VIDEO NOTIFICATION	2 SATA & 1 eSATA UP TO 4TB



RECORD ALL CHANNELS D1 (704x576)	WATCH ON YOUR SMARTPHONE	PUSH VIDEO NOTIFICATION
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Watchguard Complete Analogue CCTV Surveillance Kits

Part No: DVR4ENTPACK6 / DVR8ENTPACK3 / DVR16ENTPACK2

The DVRENTPACK range is available in 4, 8 and 16 channel kits. They include weatherproof, 15m range infrared, 520 TVL cameras. This makes them ideal for indoor or outdoor use, in all kinds of lighting conditions. DVRs can record each camera at D1 resolution (704 x 576) in real-time (25fps) and can be customised to automatically record over old footage. Each kit can be viewed over a Windows PC network or viewed remotely over the Internet. All cabling, remote control, hard disk drive (up to 2TB) and power supplies are included in the kit.

DVR4ENTPACK6 Kit Includes:

- 4 Channel H.264 Digital Video Recorder
- 1TB Hard Drive / IR Remote / USB Mouse
- Records All Cameras in D1 (704x576) at 25fps
- Composite / VGA Video Output
- 4 x 520TVL 15m Infrared, Weatherproof Bullet Cameras (VSWFF15MIR520B)
- Power Supplies & Network Cable
- Pre-wired and Pre-terminated Line-fed Camera and Power Cables Included
- 4 Alarm Inputs / 1 Push Video Input

DVR8ENTPACK3 Kit Includes:

- 8 Channel H.264 Digital Video Recorder
- 1TB Hard Drive / IR Remote / USB Mouse
- Records All Cameras in D1 (704x576) at 12fps
- HDMI / Composite / VGA Video Output
- 4 x 520TVL 15m Infrared, Weatherproof Bullet Cameras (VSWFF15MIR520B)
- 4 x 520TVL 15m Infrared, Vandal Resistant, Dome Cameras (VSDFF15MIR520VP)
- Pre-wired and Pre-terminated Line-fed Camera and Power Cables Included
- 1 Alarm Input - 1 Push Video Input

DVR16ENTPACK2 Kit Includes:

- 16 Channel H.264 Digital Video Recorder
- 2TB Hard Drive / IR Remote / USB Mouse
- Records All Cameras in D1 (704x576) at 25fps
- HDMI / Composite / VGA Video Output
- 12 x 520TVL 15m Infrared, Weatherproof Bullet Cameras (VSWFF15MIR520B)
- 4 x 520TVL 15m Infrared, Vandal Resistant, Domes (VSDFF15MIR520VP)
- Pre-wired and Pre-terminated Line-fed Camera and Power Cables Included
- 16 Alarm Inputs / 4 Push Video Inputs



CAMERA SPECIFICATION	VSWFF15MIR520B
Image Sensor	1/3" CMOS + IR Cut Filter
Min. Illumination	0.2 Lux/F2.0
Lens	Fixed 3.6mm
Maximum IR Range	15m
Resolution	Colour: 520TVL / B&W: 600TVL
Housing Rating	IP66
Dimensions	170(L) x 65(W) x 69(H)mm
Power	12VDC
Weight	0.6kg

CAMERA SPECIFICATION	VSDFF15MIR520VP
Image Sensor	1/3" CMOS + IR Cut Filter
Min. Illumination	0.2 Lux/F2.0
Lens	Fixed 3.6mm
Maximum IR Range	15m
Resolution	Colour: 520TVL / B&W: 600TVL
Housing Rating	IP66
Dimensions	Ø110 x 90mm
Power	12VDC
Weight	0.5kg

* 8 Channel model shown. 19" widescreen monitor (LCDLG19W) available with kit. For monitor-included packs, refer to model numbers: DVR4ENTPACK6M / DVR8ENTPACK3M / DVR16ENTPACK2M

WATCHGUARD EASY TO INSTALL CCTV KITS



Watchguard Easy to Install Analogue CCTV Surveillance Kits

Part No: DVR4EONPACK / DVR8EONPACK

The DVREONPACK range is available in two kits: 4 channel and 8 channel. Each DVR comes with everything required to get started including pre-installed 1TB hard drive, USB mouse and infrared remote control.

4 Channel Kit Includes:

- Records D1 (704 x 576) at 12.5fps
- 4 Channel H.264 Digital Video Recorder
- 1TB Hard Drive / IR Remote / USB Mouse
- 4 x 420TVL 15m Infrared, Weatherproof Bullets
- Pre-wired and Pre-terminated Line-fed Camera and Power Cables Included

8 Channel Kit Includes:

- Records D1 (704 x 576) at 6fps
- 8 Channel H.264 Digital Video Recorder
- 1TB Hard Drive / IR Remote / USB Mouse
- 8 x 420TVL 15m Infrared, Weatherproof Bullets
- Pre-wired and Pre-terminated Line-fed Camera and Power Cables Included

Retail Box (8 Channel Kit)



SECURVIEW ANALOGUE PTZ DOME CAMERAS

SECURVIEW

530 TVL Internal High Speed Dome with 18x Optical Zoom

Part No: VSPTZ55

The VSPTZ55 is built for indoor use. The dome camera features automatic tracking/patrol modes and 128 preset positions. Four alarm inputs can be linked to preset camera positions and one alarm output.

Image

- 1/4" Exview HAD CCD Sensor
- 530 TVL Resolution
- 4.1~73.8mm Lens at F1.6~F2.4
- Min. Illumination: 0.01 Lux/F1.4

PTZ Function

- 18x Optical / 12x Digital Zoom
- AWB/ATW White Balance
- RS485 Pelco-D/P
- Speed: 300°/s Pan | 150°/s Tilt

General

- 24VAC / 2Amp
- Ø190mm x 220mm
- Ø134mm (Module Only)
- 3.20kg



SECURVIEW

560 TVL Day/Night PTZ Dome with 23x Optical Zoom

Part No: VSPTZ55WDN

The durable VSPTZ55WDN is built for outdoor use. The dome camera features automatic tracking/patrol modes and 128 preset positions. Four alarm inputs can be linked to preset camera positions and one alarm output.

Image

- 1/4" Super HAD CCD Sensor
- 560 TVL Resolution
- 3.5~80.5mm Lens at F1.6~F2.4
- Min. Illumination: 0.2 Lux/F1.4

PTZ Function

- 23x Optical / 16x Digital Zoom
- AWB/ATW White Balance
- RS485 Pelco-D/P
- Speed: 300°/s Pan | 150°/s Tilt

General

- 24VAC / 2Amp
- IP66 External Housing
- Ø340mm x 440mm
- 7.20kg





700 TVL 30m Infrared Wide Dynamic Range Vandal Resistant & Weather Proof Dome Camera

Part No: VSDVF30MIR700W

Image

- 1/3" Super HAD CCD II Sensor
- Sony Effio-E DSP
- 700 TVL Resolution
- 2.8~12mm Varifocal Manual Lens
- Min. Illumination: 0.005 Lux/F1.4
- 30m Maximum IR Range
- BLC / HLC / WDR (75dB) Backlight Compensation

General

- 12VDC
- Ø160mm x 119mm
- 1.0kg



700 TVL 20m Infrared Vandal/Weather Proof Dome Camera

Part No: VSDVF20MIR700

Image

- 1/3" Sony Exview HAD CCD II Sensor
- Sony Effio-E DSP
- 700 TVL Resolution
- 2.8~12mm Varifocal Manual Lens
- Min. Illumination: 0.005 Lux/F1.4
- 20m Maximum IR Range
- BLC / HLC / DWDR Backlight Compensation

General

- 12VDC
- Ø160mm x 119mm
- 1.30kg



650 TVL 30m Infrared Vandal/Weather Proof Dome Camera

Part No: VSDVF30MIR2.8-12

Image

- 1/3" Sony Exview HAD CCD II Sensor
- Sony Effio-E DSP
- 650 TVL Resolution
- 2.8~12mm Varifocal Manual Lens
- Min. Illumination: 0.001 Lux/F2.0
- 30m Maximum IR Range

General

- 12VDC
- Ø119mm x 100mm
- 0.90kg



650 TVL 15m Infrared Indoor Dome Camera

Part No: VSDVF15MIR650

Image

- 1/3" Sony Effio-E CCD Sensor
- 650 TVL Resolution
- 4~9mm Varifocal Manual Lens
- Min. Illumination: 0.001 Lux/F2.0
- 15m Maximum IR Range

General

- 12VDC
- Ø127mm x 91mm
- 0.60kg
- Indoor Dome Only



520 TVL 15m Infrared Vandal/Weather Proof Dome Camera

Part No: VSDFF15MIR520VP

Image

- 1/3" CMOS + IR Cut filter
- 520 TVL Resolution
- 3.6mm Fixed Lens
- Min. Illumination: 0.2 Lux/F2.0
- 15m Maximum IR Range

General

- 12VDC
- IP66 Rating
- Ø110mm x 90mm
- 0.50kg



700 TVL Day/Night Full Body Camera

Part No: VSFB700W

Image

- 1/3" Sony Exview HAD CCD II Sensor
- Sony Effio-E DSP
- 700 TVL Resolution
- Mount Type C / CS
- Min. Illumination: 0.001 Lux/F1.2
- BLC / HLC / DWDR Backlight Compensation

General

- 12VDC
- 131(L) x 131(W) x 60(H)mm
- 0.50kg
- *Lens Not Included



650 TVL 40m Infrared Weather Proof Outdoor Camera

Part No: VSWVF40MIR2.8-12

Image

- 1/3" Sony Exview HAD CCD II Sensor
- Sony Effio-E DSP
- 650 TVL Resolution
- 2.8~12mm Varifocal Manual Lens
- Min. Illumination: 0.001 Lux/F2.0
- 40m Maximum IR Range

General

- 12VDC
- 260(L) x 103(W) x 101(H)mm
- 1.80kg



650 TVL 40m Infrared Weather Proof Outdoor Camera

Part No: VSWVF40MIR9-22

Image

- 1/3" Sony Exview HAD CCD II Sensor
- Sony Effio-E DSP
- 650 TVL Resolution
- 9~22mm Varifocal Manual Lens
- Min. Illumination: 0.001 Lux/F2.0
- 40m Maximum IR Range

General

- 12VDC
- 260(L) x 103(W) x 101(H)mm
- 1.80kg



520 TVL 15m Infrared Weather Proof Bullet Camera

Part No: VSWFF15MIR520B

Image

- 1/3" CMOS + IR Cut filter
- 520 TVL Resolution
- 3.6mm Fixed Lens
- Min. Illumination: 0.2 Lux/F2.0
- 15m Maximum IR Range

General

- 12VDC
- IP66 Rating
- 170(L) x 65(W) x 69(H)mm
- 0.60kg



Applications

The Watchguard Analogue Dome Camera, Full Body and Bullet Camera range is compatible with both DVRSVIEW and DVRENT range DVRs. However, they are not compatible with the DVREONPACK range of DVRs.

ANALOGUE CAMERA LENSES



2.8-12mm DC Varifocal Auto Iris Lens

Part No: VSLA2.8-12DC

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).



6-60mm DC Varifocal Auto Iris Lens

Part No: VSLA6-60DC

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.



2.8-12mm Varifocal Manual Iris Lens

Part No: VSLM2.8-12

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

PTZ ACCESSORIES



Full Featured Speed Dome Controller

Part No: VSPTZKB

Speed Dome Controller with Keyboard and Joystick.

Features:

- 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
- 12VDC

CAMERA ACCESSORIES



RF Modulator for Surveillance Cameras

Part No: VSARFMOD

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).



Four Way Video Distribution Amplifier

Part No: VSCA17

Split 1 video signal into 4 without loss

- 1x Composite video input
- 4x Composite video outputs
- 240VAC



Composite (BNC/RCA) to VGA Converter

Part No: VID2VGA

- Converts Composite to VGA
- Output Resolution up to 1280x1024 at 60Hz
- Allows Use of Cost Effective PC / VGA Monitors with DVRs
- Includes 12VDC Power Supply



Audio Microphone with Pre-Amp

Part No: VSAMICV2

- 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 at 10mA



In-line Add-on Audio Microphone

Part No: VSAMIC

- In-line 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 at 10mA
- Dimension 48 x 15 x 9mm (audio box)

CAMERA HOUSINGS & BRACKETS



Weatherproof Camera Housing with Bracket

Part No: VSGL606

- Suitable for Cameras No Larger than: **76(W) x 72(H) x 260(L)mm**
- Weatherproof IP66 Rated
- Lightweight Aluminium Construction
- Housing Dimensions: 113(W) x 106(H) x 410(L)mm



Weatherproof Camera Housing with Bracket

Part No: VSCA13

- Suitable for Cameras No Larger than: **76(W) x 72(H) x 220(L)mm**
- Weatherproof IP66 Rated
- Lightweight Aluminium Construction
- Housing Dimensions: 110(W) x 100(H) x 340(L)mm



Classical Weatherproof Camera Housing with Bracket

Part No: VSTPH-1000

- Suitable for Cameras No Larger than: **90(W) x 70(H) x 230(L)mm**
- Weatherproof IP66 Rated
- Lightweight Aluminium Construction
- Housing Dimensions: 110(W) x 100(H) x 340(L)mm



Heavy Duty Outdoor Housing & Pendant Set

Part No: VSPTZHOUSINGEX

- **180mm Recommended Maximum Length of Camera/Lens**
- Weatherproof IP66 Rated
- Powder Coated Aluminium
- Housing Dimensions incl. Bracket: 275(W) x 330(H)mm
- **Corner Bracket VS15-05BM Available**



Swivel & Tilt Camera Brackets

Part No: VSCA9 / VSCA11

- VSCA9 - White Plastic Bracket**
- 150mm in Length
- Off-White Colour
- VSCA11 - Metal Bracket**
- 100mm in Length



Generic Pole Bracket

Part No: VS15-CD04BV

- Allows Camera Mounting on Poles with Adjustable Fixing Bands
- Suitable for Poles Ø110~150mm
- Maximum Load: 40kg



8"/"12"/"14" Tinted Dome Covers

Part No: VSTD8 / VSTD12 / VSTD14

- Available in 8", 12" and 14" Diameters

INFRARED ILLUMINATORS



100 Metre Infrared Illuminator

Part No: VS-IR12

- 12pcs LED
- 100m Maximum Indoor IR Distance
- 10° Wide Coverage Beam Angle
- -10°C ~ 50°C Operating Temperature
- 0.7kg
- W90 x H95 x D100mm



150 Metre Infrared Illuminator

Part No: VS-IR18

- 18pcs LED
- 150m Maximum Indoor IR Distance
- 10° Beam Angle
- -10°C ~ 50°C Operating Temperature
- 0.7kg
- W90 x H95 x D100mm



160 Metre Infrared Illuminator

Part No: VS-IR160

- 160m Maximum Indoor IR Distance
- 40° Wide Coverage Beam Angle
- -10°C ~ 50°C Operating Temperature
- Ø130 x 120 x 90mm

CCTV SURVEILLANCE SIGNS



A4 CCTV Warning Sign

Part No: VSA24

- Corflute A4 Sign (212 x 299mm)
- CCTV Warning Sign
- Weather and UV Resistant
- Security Camera Graphic



A3 CCTV Warning Sign

Part No: VSCDCC

- Corflute A3 Sign (420 x 297mm)
- CCTV Warning Sign
- Weather and UV Resistant



A4 CCTV Warning Stickers Pack

Part No: VSCDSC

- Includes 4x A4 Sized CCTV Stickers
- 2x Rear Adhesive for flat surfaces
- 2x Front Adhesive for interior windows



Professional 19" 3U Rack Mount PC/DVR Case

Part No: DVRCASE3 / DVRCASE3RUNAS

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**



High Performance 16 Bay Storage Server

Part No: DVRSERVER3RU16B

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.

² Upgradable to 2 x 2 TB
³ Analogue Max. D1 / IP Mega Pixel Recording Rate is camera dependent

- 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
- SAS, SATA or SATA 3.0Bb/s interface
- LSI 16 Port RAID Config 0, 1, 5, 6, 10
- Intel Xeon(R) Quad Core X3430 or above
- RAM: 4GB DDR3 or above
- Intel(R) Server Board S3000 series
- NIC: Dual GbE
- Ubuntu Operating System
- 64GB Kingston SSD
- 10x USB 2.0 Ports
- 600W Fixed or Redundant PSU with Warning Indicator
- 480(W) x 130.5(H) x 710(D) mm



SATA Hard Disk Drives

Part No: HD1TBS (1TB HDD)

No matter what your recording needs are, RhinoCo Technology supply a range of Hard Disk Drives to meet your requirements.



NAS SATA Hard Disk Drives

**Part No: HD2TBSR (2TB HDD)
 HD3TBSR (3TB HDD)**

Purpose Built NAS SATA Hard Disk Drives. Designed and tested for reliable use in 24/7 operating environments such as network attached storage.

*Other HDD Sizes Available by Special Order



High Quality Professional Rackmount Cabinets

Part No: RACKMOUNTCAB12	(12RU)
RACKMOUNTCAB18	(18RU)
RACKMOUNTCAB27	(27RU)
RACKMOUNTCAB37	(37RU)

Available in 3 Sizes:

- 12RU (W600 x D450 x H650mm)
- 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 12cm Cooling Fans
- 4x(12RU / 18RU) Outlet Universal Power Adaptor Sockets
- 6 (27RU / 37RU) Outlet Universal Power Adaptor Sockets
- Base with Four Twin Castor Wheels (2 with Brakes)
- Stands Also available

19" LCD Monitor with LED Backlight

Part No: LCD19LED

With CCTV monitors being left on 24/7, it is now more important than ever to ensure you are getting value for money. This LED backlit monitor uses less energy and lasts longer, saving you money on your electricity bill and eventual replacements.

The LCD19LED is specifically designed for the CCTV industry with HDMI, VGA and BNC video inputs.

- 1280 x 1024 Maximum Resolution
- 1x HDMI, 1x VGA and 2x BNC Video Inputs
- 5:4 Aspect Ratio
- 5ms Response Time

19" Widescreen LG Monitor

Part No: LCDLG19W

Display more cameras and have a clear view of all your feeds with this 19" widescreen monitor. Enjoy crisp and vivid pictures with 30000:1 contrast ratio and 5ms response time.

- 1366 x 768 Maximum Resolution
- 16:9 Aspect Ratio
- 5ms Response Time

23" Widescreen LG Monitor

Part No: LCDLG23W

Display more cameras and have a clear view of all your feeds with this 23" widescreen monitor. Save on space and electricity with this exquisitely slim, LED backlit monitor.

- 1920 x 1080 - 1080p HD Maximum Resolution
- 16:9 Aspect Ratio
- HDMI Video Input
- 5ms Response Time



MONITOR BRACKETS



Wall Mount Flat Panel Bracket

Part No: LCDBRACKET

- Standard VESA 50/75/100
- Accommodates Display Sizes 10" to 22" (25~56cm) - Diagonally Measured
- Min. & Max. Distance from Wall: 80mm
- ±15° Vertical Tilt
- Max Load 10kg



Wall Mount Flat Panel Swivel Bracket

Part No: LCDBRACKETSW

- Standard VESA 50/75/100/200x100
- Accommodates Display Sizes 10"~30" (25~76cm) - Diagonally Measured
- 180° Swivel Rotation at Wall
- 190° Swivel Rotation at Arm
- Min. Distance to Wall: 80mm
- Max. Distance to Wall: 280mm
- ±20° Vertical Tilt
- Max Load 20kg



Wall Mount Tilt LCD/TFT Monitor Bracket

Part No: TFTBRACKET

- Standard VESA 50/75/100/200/100x200
- Min. Distance from Wall 100mm
- ±20° Vertical Tilt
- Max Load 30kg
- **Also Available in 90° Horizontal Swivel Model (left) - TFTBRACKETSW**
- *** Only Compatible with LCD19LED**



Ceiling Mount TFT/LCD Monitor Bracket

Part No: VSCACMB

- Standard VESA 50/75/100
- Adjustable Drop 500-850mm
- Easy to Install
- Max Load 20kg
- *** Only Compatible with LCD19LED**



3.5G Wireless Hotspot with SIM Slot

Part No: SAP-MB-1112

Create instant wireless or wired 3.5G hotspots at remote locations (such as construction sites, special occasions, conventional centres, vehicles, or where DSL/cable is not available).

Use it as wireless access point at home to extend wireless coverage. It can function as a wireless USB server for several devices at the same time. No settings required, just plug and play for printer sharing, remote printing, real time and online monitor, scheduled recording and file sharing via FTP or SMB. Includes an internal backup battery for handling power interruptions.

- Built-in 3.75G Modem and Long Lasting Li-Polymer Batteries
- Share Various Connections - Mobile Broadband, xDSL, WiFi Modem/Public
- 2T2R Technology - Enjoys Wireless Data Transfer Rates up to 300Mbps
- WiFi Protected Setup (WPS) - One Button Encryption and Connection
- Advanced Power Saving Technology - 80% Reduction in Power Consumption



ADSL2/2+ Wireless Modem Router with 4x 10/100 LAN Ports

Part No: SAP-RM-1802

Ideal solution for office, home or SOHO users to share high speed wired and wireless network.

- ADSL2/2+ (Annex A/I/J/L/M)
- 1x RJ-11 ADSL Port
- 4x RJ-45 10/100Mbps LAN Ports
- 802.11n (150Mbps) Wireless Access
- WEP / WPA / WPA2 Security
- WDS Configuration
- Integrated Firewall



2.4GHz Wireless Router with 4x Gigabit LAN and 1x WAN

Part No: SAP-RB-1733

Designed to cater to greater wireless Internet demands, between flats and floors, warehouses, larger offices.

- 1x RJ-45 10/100/1000Mbps WAN Port
- 4x RJ-45 10/100/1000Mbps LAN Ports
- 1x USB 2.0 (for External 3G/4G modem)
- 802.11n (300Mbps) Wireless Access
- WEP / WPA / WPA2 Security
- WDS Configuration
- Integrated Firewall
- 1000mW Transmission Power



2.4/5.8GHz Wireless Router with 4x Gigabit LAN and 1x WAN

Part No: SAP-RB-1830

Dual band router designed to avoid 2.4GHz interference from appliances, phones, bluetooth devices etc.

- Dual Band 2.4/5.8Ghz Transmission
- 1x RJ-45 10/100Mbps WAN Port
- 4x RJ-45 10/100/1000Mbps Lan Ports
- 1x USB 2.0 (for External 3G/4G modem)
- 802.11n (300Mbps) Wireless Access
- WEP / WPA / WPA2 Security
- WDS Configuration
- Integrated Firewall





Gigabit Ethernet Switches Without Power Over Ethernet

Part No: SAP-HG-3105 / SAP-HG-3216 / SAP-HG-3224

The Sapido Switch range is ideal for those who required speed and stability in their network. The gigabit 1000Mbps Ethernet connection across the range allows for fast completion of bandwidth-intensive transfers. The range accounts for home, office and SOHO to Small - Medium Businesses.

SAP-HG-3105 Features:

- 5x Gigabit LAN Ports
- Connection Speed up to 1000Mbps
- Plug and Play Installation
- Green Ethernet - Up to 50% Power Reduction
- Full/Half Duplex Mode / Auto MDI/MDIX
- Auto Negotiation

SAP-HG-3216 Features:

- 16x Gigabit LAN Ports
- Connection Speed up to 1000Mbps
- Supports Loop Detection
- Green Ethernet - Up to 80% Power Reduction
- 32Gbps High Speed Switching Capacity
- 8K MAC Address Table
- Full/Half Duplex Modes - 2000Mbps Full Duplex

SAP-HG-3224 Features:

- 24x Gigabit LAN Ports
- Connection Speed up to 1000Mbps
- Supports Loop Detection
- Green Ethernet - Up to 80% Power Reduction
- 48Gbps High Speed Switching Capacity
- 16K MAC Address Table
- Full/Half Duplex Modes - 2000Mbps Full Duplex



Ethernet Switches With Power Over Ethernet

Part No: VS8PORTPOE / SRW208P / SRW224G4P

Brings speed and stability with the benefit of Power over Ethernet (PoE). The range is available in 8 port, managed 8 port and managed 24 port models. The Power over Ethernet Switch range provides a reliable foundation for your business network.

VS8PORTPOE Features:

- 8x 10/100Mbps Auto MDIX LAN Ports
- Connection Speed up to 100Mbps
- Full/Half Duplex Modes - 200Mbps Full Mode
- Power Input 110-240VAC
- Power Output 48VDC / 310mA Per Port

SRW208P Features:

- 8x 10/100Mbps LAN Port Managed Switch
- Connection Speed up to 100Mbps
- 802.1d STP Support
- 2x Gigabit (1000 Mbps) Uplinks
- 2x Mini-GBIC Combo Slots
- Power Input 110-240VAC
- Power Output 48VDC / 310mA Per Port

SRW224G4P Features:

- 24x 10/100Mbps LAN Port Managed Switch
- Connection Speed up to 100Mbps
- 802.1d STP Support
- 2x Gigabit (1000 Mbps) Uplinks
- 2x Mini-GBIC Combo Slots
- Power Input 110-240VAC
- Power Output 48VDC / 310mA Per Port



Single Port Power Over Ethernet (PoE) Injector

Part No: WT-CAT5POEI

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



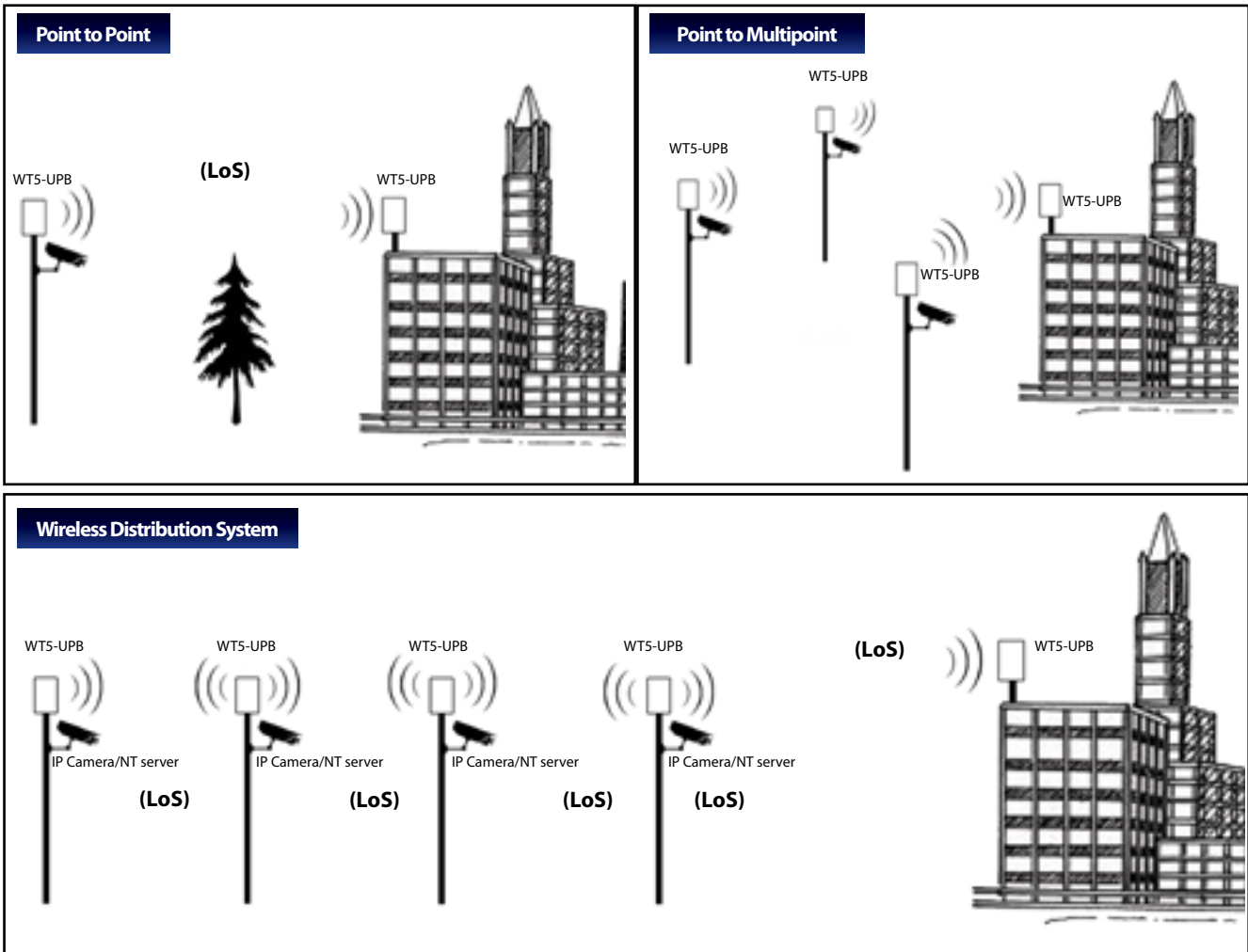
CAT5e Ethernet Cables in Various Lengths

**Part No: CABLELAN1.5 (1.5m) NETCABLE20 (20m)
NETCABLE (10m) NETCABLE30 (30m)**

High quality CAT5e Ethernet cables suitable for IP cameras and Power over Ethernet switches. Available in 1.5m, 10m, 20m and 30m lengths.

WIRELESS CCTV

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.rhinoco.com.au for further information or call our sales team. Below are some examples of typical installations using our wireless transmission products:



Glossary of Terms

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 Distribution System (WDS) - Method for linking many wireless access points to form a mesh-like network.

Wireless LAN - One or more access points and their associated clients which communicate by radio to form a data 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 Panel Antenna 18dbi

Part No: VS15-2400AP18

Our 18dbi directional panel antenna can extend an existing wireless access point on a single floor by positioning the unit in the corner of the building.

These antennas can also be used for a point-to-point network bridge 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.



2.4GHz Digital Wireless Transmitter & Receiver Set

Part No: AVTXRX2.4

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.



WIRELESS TRANSMISSION 5.8GHZ (DIGITAL)

**5.8GHz Panel Antenna 25dBi****Part No: WT5-UPB**

This low power directional panel antenna can be used to connect two LAN points wirelessly with little interference from outside sources due to a stabilising enclosure. Powered by PoE sources this small but powerful antenna is an excellent way to extend your reach.

**5GHz Wireless Access Point 802.11a/n 600mw 16dBi****Part No: WT5-UNS**

- Performance Breakthrough
150+ Mbps real outdoor throughput and up to 15km+ range. Featuring 2x2 MIMO technology, the WT5-UNS links significantly faster and farther than ever before
- Next-Gen Antenna Design
New antenna array designs featuring 16dBi at 5GHz with optimized cross-polarity isolation in a compact form-factor
- Dual Ethernet Connectivity
The WT5-UNS provides a secondary Ethernet port with software enabled POE output for seamless IP Video integration
- Intelligent POE
Remote hardware reset circuitry of WT5-UNS allows for device to be reset remotely from power supply location

**5.8GHz Panel Antenna 21dBi****Part No: WT5-PA21**

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.

**5.8GHz Sector Antenna 21dBi****Part No: WT5-SA21**

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.

**5.8GHz Grid Antenna 24dBi****Part No: WT5-GA24**

- 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 micro-porous membrane
- Durable solid brass feed
- Good multi-path interference rejection
- Designed and manufactured in Australia

**5.8GHz Omni Directional Antenna 12dBi****Part No: WT5-ODA12**

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.

SECURITY & SAFETY PRODUCTS

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Watchguard™ Alarms, a renowned leader in the electronic security industry for some 34 years, takes great pride in bringing you a new range of Professional Alarm Panels. Our Australian-Designed SMS8 Alarm Panel has been the flagship product of the Watchguard Brand, with many thousands sold and protecting properties worldwide. We have now expanded our range of alarm panels by introducing a wider range of options in this field.

Our new 864 panels are produced by South Africa's leading control panel manufacturer - Inhep Digital Security (IDS). Their product range is renowned for its robust reliability and simplicity. Their dedicated team of engineers have been responsible for designing and developing intrusion detection equipment that now has an international following. The design focus has always been 'simplicity and reliability'. Their proprietary products are regularly tested by SABS (South African Bureau of Standards) and, where applicable, by the appropriate test laboratories in other countries to ensure compliance to international standards.

Over the past 20 years this range of alarm panels has developed a hard-won reputation of robust reliability and quality. Developed to meet the harsh conditions of Africa, the alarm panels are used by the premier monitoring and response companies in South Africa - probably the world's most demanding security market. This recognition has extended onto the international stage with IDS distribution networks now serving at least 16 countries on 4 continents.

IDS engineers are driven by the passion to eliminate clutter and complexity, and to develop simple, robust, elegant solutions to real-world problems. Watchguard™ Alarms is proud to be associated with IDS - where others create confusion, together we create certainty.



WATCHGUARD HARDWIRED ALARM SYSTEMS

EXPANDABLE TO
64 ZONES

CONTACT ID
SECURITY DIALLER



8 Zone Alarm Panel & LCD Keypad - Expandable to 64 Monitored Zones

Part No: WGAP864

The WGAP864 is a versatile, microprocessor-based, fully featured 8/64 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) programmable outputs that may be programmed to perform various trigger/switching functions.

WGAP864 Panel and Keypad Features:

- 64 Zones (Up to 16 On-board)
- 8 Partitions; 128 User Codes
- Supports Up to 8 keypads
- 25 Fully Programmable Outputs
- Ability to Log Up to 1000 Events
- 1.5A Available On-board Power (Dual PSU)
- Dedicated 500mA Battery Charger for Optimal Backup Battery Management
- Up to 4 Bus Receivers (Fully Programmable from the Keypad)
- IDS's Renowned One-button Arming
- Quick Arm Modes: Stay; Away and; Stay and Go
- 4 Stay Profiles (Quick-select Specific Stay Profiles via Keypad Shortcut): Stay, Night Stay, Day Stay, Perimeter
- Supports Star/Daisy Chain Modules up to 300m
- Dual and Split Reporting; Battery Self Test
- Dedicated Panic Zone
- Telephone Communicator
- Expanded Heat Sink
- Optional Tamper per Zone
- Separate Box Tamper Zone
- Maintenance Code
- No Activity Arming
- Recall Bypass Selected
- Auto Arm/Disarm per Partition
- User-enabled Chime and Buzz Zones
- Programmable Loop Response Time
- Excellent Protection Against Lightning ("Zap Tracking" and Transient Suppressors)



Professional 8 Zone Hardwired Complete Alarm Kit - Expandable to 64 Zones

Part No: WGAP864KIT

For Complete Home and Commercial Building Protection

If you're after complete commercial building protection, you need the WGAP864KIT hardwired alarm system. It contains a premiere Watchguard™ 8 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 building by 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.

WGAP864KIT Includes:

- 1x 8 Zone Alarm Control Panel
- 1x LCD Keypad
- 1x Complete Outdoor Siren/Strobe
- 3x Dual Technology PIR Sensors
- 4x Surface Reed Switches
- 1x Indoor Top Hat Piezo Siren
- 1x Emergency Panic Button
- 1x 7Ah Lead Acid Backup Battery
- 1x 100m of 4 Core Alarm Cable
- 1x 16VAC Power Supply

WGAP864 PANEL ACCESSORIES



8 to 16 Zone Expander for WGAP864

Part No: WGAP864EXP816

Use 1 of these to expand the panel from 8 to 16 zones. This board provides an extra 8 zones with end-of-line supervised zone inputs.

- Optional Tamper Per Zone Using Double End-of-line Resistors
- Programmable Loop Response Time
- Dedicated Box Tamper Input
- Lightning Protection



16 to 64 Zone Expander for WGAP864

Part No: WGAP864EXP1664

Use up to 6 of these to expand the panel from 16 to 64 zones. Each board provides an extra 8 zones with end-of-line supervised zone inputs.

- Optional Tamper Per Zone Using Double End-of-line Resistors
- Programmable Loop Response Time
- Dedicated Box Tamper Input
- Lightning Protection



Watchguard High Quality LCD Keypad for WGAP864

Part No: WGAPKP16CLCD

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.



Alarm Voice Panel Module for WGAP864

Part No: WGAP864VM

To increase the remote accessibility of your WGAP864 alarm system, you install the optional WGAP864VM phone adapter.

With this module you can inquire about the status of your alarm system via telephone, and make changes to security settings. The module can also be configured to send alarm notifications to your phone.

DESIGNED IN AUSTRALIA

REPORTS VIA SMS TEXT

CONTACT ID SECURITY DIALLER



Australian Designed 8 Zone Alarm Panel & LCD Keypad

Part No: SMS8

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 / Smartphone is not included with the product)

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.

SMS8 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



Professional SMS8 Complete Alarm Kit with LCD Keypad

Part No: SMS8KITHW

The Australian designed SMS8 is also available as complete home or business alarm package. The kit comes with movement sensors for complete room security, surface reed switches for door and window security, dual-button emergency panic button, internal/external sirens and all required cabling.

SMS8KITHW Includes:

- 1x Watchguard SMS8 Alarm Panel
- 1x LCD Keypad
- 1x Complete Outdoor Siren/Strobe
- 3x Dual Technology PIR Sensors
- 4x Surface Reed Switches
- 1x Indoor Top Hat Piezo Siren
- 1x Emergency Panic Button
- 1x 7Ah Lead Acid Backup Battery
- 1x 100m of 4 Core Alarm Cable
- 1x 16VAC Power Supply

SMS8 PANEL ACCESSORIES



Optional 2-Wire Serial Interface Wireless Receiver

Part No: SMS8RX

Add wireless zones to your SMS8.

State of the art narrow band wireless receiver for the SMS8 hardwired alarm panel. Easy to install two-wire connection interface. Comes with 2 code hopping remotes.

- Narrow Band Wireless Receiver
- 8 Wireless Detector Zones
- 2 Wire Interface Connection
- Includes 2 High Security Code-hopping Remotes
- Remote Functions include Arm/Disarm, Home Arm & Panic
- Easily Add & Erase Up to 8 Wireless Detectors into your System
- Compatible with all Watchguard™ Wireless Accessories

HARDWIRED ALARM ACCESSORIES - PASSIVE INFRARED DETECTORS



Universal Movement Sensor with Dual Technology

Part No: PIRHWDT

This advanced PIR body heat movement sensor is suitable for indoor use with any alarm control panel. It can detect movement up to 12 meters away at an angle of 90 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.

- Pet Immune PIR detector
- Detects Human Movement Up To 12m Away
- Auto Temperature Compensation Reducing False Alarm
- White Light Immunity Level Over 20,000 Lux
- LED ON/OFF Optional, Pulse Count Optional
- NC / NO Optional for Different Alarm Panels
- Auto Developed LEN Technology
- High EM and RF Interference Immunity



Optional Extra PIR Swivel Bracket
Model: PIRLHLB



Universal Movement Sensor with Triple Technology

Part No: PIRHWTT

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 the PIR and microwave sensors to simultaneously detect an intruder (using software signal analysis) before activating the alarm output. Detection range is approximately 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



Optional Extra PIR Swivel Bracket
Model: PIRLHLB



HARDWIRED ALARM ACCESSORIES

Fully Assembled AC/DC Siren, Strobe and Tamper Switch

Part No: COS

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



Flush Mounted Internal Siren

Part No: DPSF

- Emits a High Frequency Oscillating Siren Intolerable to the Human Ear
- Low Profile Design to Mount Flush with Ceiling
- Repel Intruders from your Building



Single Tone Siren

Part No: S42

- 115dB Single Tone Siren
- Typically Used with Control Panels with No Internal Siren Driver
- Power: 12VDC



Compact External Siren with Strobe

Part No: W24SIREN

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.



Indoor Piezo Siren

Part No: DPS

- 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



Photoelectric Hardwired Smoke Detector

Part No: SMODET15P

- Sensor Type: Infrared Photoelectric Diode
- Dust and Insect Proof
- Detection Range 20m²
- 12VDC



Flashing Blue Strobe Light

Part No: DSBM

- Low Profile Blue Strobe Light
- Designed for Use with External Sirens
- Continuous Rated Xenon Tube



Emergency Button Switch

Part No: DEBS

- On Press Instantly Trigger the Alarm
- N/C & N/O contacts
- Slimline design
- Dimensions: 23(W) x 76(H) x 15(D)mm



Dual Button Emergency Switch (N/O Contact)

Part No: DEBSDUAL

- Dual Button Activation Virtually Eliminates Accidental Triggering
- Push to Close Momentary Contact Type
- Pre-wired for Quick Installation
- Sturdy Metal Case with Silver-plated Contacts
- Rated 1Amp at 25VDC



Large Surface Mount Reed Switch

Part No: DSRHDW

- Surface Mounted Reed Switch
- Industry Standard
- N/C Contact with Solder Terminals
- Dimensions in Millimetres
Reed: 90(W) x 13(H) x 12(D)
Magnet: 90(W) x 13(H) x 12(D)



High Impact Plastic External Siren Cover

Part No: DPSCY

- This External Siren Cover has been developed and designed as a replacement for old or damaged siren covers.
- Highly Durable
 - Moisture and UV Resistant
 - Designed in Australia



Mini Surface Mount Reed Switch

Part No: DSRLW

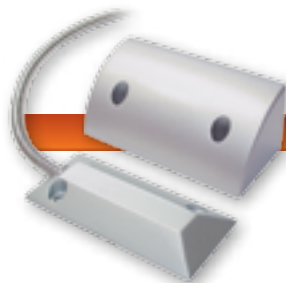
- Compact Design Surface Mount
- Industry Standard
- N/C Contacts
- Dimensions in Millimetres
Reed - 63(W) x 12(H) x 20(D)
Magnet - 63(W) x 12(H) x 11(D)



Dual Technology Glass Break Detector

Part No: SHARD

- 8m Radius Coverage
- Automatic Ranging
- Electronic Failure Trouble Indicator
- Communicator Output on Trouble
- Alarm Memory LED



Roller Shutter Reed Switch

Part No: DRSR

- Strong Heavy Duty Cast Housing
- Termination Contacts via a Stainless Steel Flexible Conduit
- N/C Contacts



N/C Tamper Switch for Siren Covers

Part No: DTBS

- Open Type
- 1A / 125V
- For Siren Covers such as the DPSCY Which Do Not have a Tamper Switch



Concealed Reed Switch

Part No: DCRW

- Perfect for Mounting in the Tops of Doors or Hidden Areas
- Easy "Push-in" Installation
- Compact Design
- Dimensions: Ø11 x 32(D)mm
- Colour: White



12V 15A Universal Switching Relay

Part No: REL01LOOM

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



Surface Reed Switch (N/O Contact)

Part No: DSRNONC

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



On/Off Key Switch

Part No: 2POSSPT

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

WATCHGUARD DIGITAL ALL IN ONE WIRELESS ALARM SYSTEMS

The Watchguard™ Digital Series is a true revolution in monitored back to base alarm systems. Utilising a compact main control unit with in-built 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 of the Watchguard Digital Series:

- 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 Does the Watchguard Digital Series Work?

<p>1) An Alarm Event is Triggered</p>  <p>When smoke, intruder or help signal is detected, an alarm signal will send to the communication dialer.</p>	<p>2) Communication Dialer Transmits to Monitoring Centre</p>  <p>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).</p>
<p>3) Monitoring Centre Acknowledges and Processes Event</p>  <p>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.</p>	<p>4) Personal Notification of Event by Monitoring Centre</p>  <p>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.”</p>



Professional Back to Base Monitored Wireless Alarm System for Home & Office

Part No: WGDIGITAL

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.

WGDIGITAL Includes:

- 1x Main Control Unit - Communication Dialer
- 2x Wireless Movement Sensors - Designed to detect the body movement of an intruder inside your premises.
- 2x Code Hopping Remote Controls - Allows you to easily arm and disarm the system or activate the panic facility from virtually anywhere around your premises.
- 1x Power Supply & 1 x Phone Connection Lead - Contact ID Protocol



Professional Back to Base Monitored Wireless Fire Detection System for Home & Office

Part No: WGSMOKE

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.

WGSMOKE Includes:

- 1x Main Control Unit - Communication Dialer
- 2x 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.
- 1x Power Supply & 1x Phone Connection Lead - Contact ID Protocol



Professional Back to Base Monitored Wireless Emergency Duress System

Part No: WGEDS

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).

WGEDS Includes:

- 1x Main Control Unit - Communication Dialer
- 2x Wireless Emergency Panic Buttons - Designed with the elderly or less-able bodied person in mind. Large rubber button. Nylon lanyard included. Splashproof. Dipswitch coding. Operating range up to 100m (line of sight)
- 1x Power Supply & 1x Phone Connection Lead - Contact ID Protocol



CONTROL ALARM VIA SMS MSG **REPORTS VIA SMS TEXT** 



Watchguard SMS2010 Wireless Alarm System with 2-Way SMS Messaging

Part No: WGSMS2010

The Watchguard SMS 2010 is a true revolution in monitored home & mobile security systems. Designed specifically for simple installation and maximum protection at an affordable price, the WGSMS2010 can be used across a range of applications, including caravans, boats, building sites or anywhere where a portable, self-monitored alarm is required.

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 SIM Card enables 2-way communication via SMS text messaging between you and your alarm.

The WGSMS2010 is also 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.

WGSMS2010 Includes:

- 1x 8 Zone Alarm Controller Unit with Built-in Quad Band GSM Modem
- 2x Wireless PIR Movement Sensors
- 2x 2 Button Code Hopping Remote Controls
- 1x 12VDC Power Supply for the Alarm Controller Unit
- 1x Compact External Siren with Strobe

*SIM Card and mobile phone not included in package.

How Does the WGSMS2010 Work?



1) Arming the Premises

Use your Remote Control to arm the Watchguard Wireless Alarm System to secure your premises. The WGSMS2010 is ideal for home, office, marine and caravan/RV use.

When body movement is detected in the premises, the sensors will send a message to the alarm module.



2) Alarm Event / Signal Sent to Module

The alarm module or controller is the brain of the alarm 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.



3) Detailed Alarm Notification

The 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.



Watchguard Wireless Home or Office Alarm System

Part No: WGUARD

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.

WGUARD Includes:

- Feature Packed 8 Zone Security System
- Can be Expanded using the Range of Watchguard Wireless Accessories
- 2x Quality Wireless Passive Infrared Detectors
- 2x High Security Code Hopping Remote Controls with Lithium Batteries

- Emergency Panic Function via Remote Control
- Backup Battery & Mains Power Adapter
- Powerful External Siren with Flashing Blue Strobe
- Similar Appearance to Security Industry Standard Alarm Systems
- High Frequency Internal Siren to Repel Intruders



Watchguard Fire & Theft Complete Burglary & Fire Detection System for Home & Office

Part No: WGUARDFT

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.

WGUARDFT Includes:

- Feature Packed Security System with Simple Wireless Installation
- 2x Wireless PIR Sensor / 2x Code Hopping Remote Controls
- 1x AS3786 Approved Wireless Gas Ionisation Smoke Sensor
- Can be Expanded using the Range of Watchguard Wireless Accessories

- High Frequency Internal Siren to Repel Intruders
- Emergency Panic Function via Remote
- Backup Battery & Mains Power Adapter
- Powerful External Siren with Flashing Blue Strobe



Watchguard Basic Wireless Home Alarm System

Part No: WGSENTINEL

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; 2) Mount wireless detector; 3) Press the remote to arm/disarm the system.

WGSENTINEL Includes:

- 2x Remote Controls to Arm/Disarm the Alarm and Panic Function
- 1x Wireless PIR Sensor to Detect Movement Up to 12m

- 1x Powerful Outdoor Siren/Strobe to Deter Intruders
- Can be Expanded using the Range of Watchguard Wireless Accessories

UNIVERSAL TRANSMITTERS & RECEIVERS



Suitable for Use in Following Applications:

With Home Security or Electric Gate/Garages

Most Devices that Allow Remote On/Off

Replace Old, Large & Low Security Remotes

Add Wireless Alarm Sensors to Any Device

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

Part No: RXPROR4

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.

RXPROR4 Features:

- 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)
- Power Supply Requirement: 12VDC @ 500mA
- Compatible with Watchguard Wireless Alarm Detectors
- Supports Use of Up to 4 Wireless Detectors
- Supports Detector Low Battery, Supervision & Tamper Signal Outputs
- Step by Step Programming via Remote Control & Indication via Feature and Channel LEDs



Part No: RCX4



RCX4 Comes with 2x 4 Button Remote Controls

Suitable for Use in Following Applications:

Vehicle Central Locking Systems

Replace Old, Large & Low Security Remotes

With Home Security or Electric Gate/Garages

2 Channel Transmitter/Receiver Set - 433.92MHz

Part No: RCX / RCX4

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. Also available in 4 Channel Model (RCX4) with 2x 4 button code hopping remotes.

RCX / RCX4 Features:

- 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 Pressed Again
- 2x Dual Button Code Hopping Remotes - 100m RF Range (line of sight)
- Can Store Up to 15 Remote Controls in Total



Suitable for Use with these Wireless Accessories:

PIR Movement Sensors

Panic/Duress Buttons

Smoke Detectors

Magnetic Reed Switches

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

Part No: KISSRX

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).

KISSRX Features:

- 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 Pressed Again
- 2x Dual Button Code Hopping Remotes - 100m RF Range (line of sight)
- Can Store Up to 15 Remote Controls in Total



**Wireless Supervised
Passive Infrared Detector**

Part No: PIRW3

- Dual Edge™ PIR Sensor Technology
- 12m Detection Range
- Compact & Elegant Design
- Swivel Bracket for Easy Installation
- Intelligent Power Saving Mode
- Up to 3 Years Life from 1x CR2450 Lithium Battery
- Selectable Pulse Count



**Wireless Supervised Reed
Switch/Universal Transmitter**

Part No: WREEDI

- Used on Doors and Windows
- Also Features In-built Terminals for Use as Universal Transmitter
- Up to 5 Years Life from 2x CR2450 Lithium Batteries



**Wireless Supervised Smoke
Detector AS/NZS 3786:1993**

Part No: SMOETW

- Used on Doors and Windows
- Also Features In-built Terminals for Use as Universal Transmitter
- Up to 5 Years Life from 2x CR2450 Lithium Batteries



**Wireless Supervised PIR
Detector (Outdoor)**

Part No: PIRWOD

- Sealed UV Resistant Outdoor Housing
- 4 Selectable Coverage Patterns:
Wide Angle 10m / Curtain 10m /
Long Range 20m / Vertical Curtain 3m
- 9V Alkaline Battery Provides Approx.
1 Year Life
- Communicates Alarm, Low Battery
& Supervision Signals
- Works with All Watchguard Universal
Receivers & Alarms
- High Quality TAKEX Sensor
- Made in Japan



**Personal Emergency /
Panic Pendant**

Part No: WPANIC

- Standards Compliant Panic Button
- Two Internal Switch Design
- Designed with the Elderly or Less-able
Bodied Person in Mind
- Large Easy Push Rubber Button
- Nylon Lanyard Included Allows it to be
Worn Safely Around the Neck
- Dip-switch Coding
- Splash-proof Construction



Wireless External Siren

Part No: WSIREN

- Wireless External Siren with Flashing
Blue Strobe and Backup Battery
- 10m of Cabling Pre-terminated for
'Plug & Secure' Installation
- Includes Low Voltage Plug-pack
- Sends Tamper, Low battery &
Supervision Signals



**Wireless Solar Siren and
Optional Universal Transmitter**

Part No: WSSOL

- No Cables Required
- In-built Solar Panel to Charge Battery
- 40 Days of Continuous Operation
Without Sunlight Once Charged
- Incorporates Powerful 105dB/M Siren
and Blue Strobe Light
- High Capacity 6V 1.2Ah Sealed Acid
Rechargeable Internal Battery
- Tough Polycarbonate Housing
- In-built Tamper Switch to Activate
Siren in Case of Unauthorised Removal
- Polycarbonate Weatherproof Housing
- Can be Fitted with Universal
Transmitter WSUTX (left) to be
Compatible with Any Wireless Panel
- WSUTX Simply Connects to Siren
Output on your Control Panel

**Model:
WSUTX**



**White Wireless Mini
Numeric Keypad**

Part No: WKP

- 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



**Large Wireless
Numeric Keypad**

Part No: WKPL

- Large Conventional Size Wall Mount
Keypad with Flip-down Front Cover
- Allows Arm/Disarm of your System
via User 4-Digit PIN Code
- 9V Battery Powered
- Low Battery Indicator
- Back Lit Keypad for Night Use
- Weather Resistant for Indoor or
Outdoor Use (Under cover)
- For Use on WGDIGITAL Only



**Wireless Emergency Duress
Mushroom Button**

Part No: MBTX

- Large Industrial Grade Switch
- In-built fixed code transmitter
- LED indicators for Activation and
Low Battery
- Optional External Power Supply



Outdoor Replica CCTV Camera with Housing

Part No: VSCD420F

- Replica CCTV Camera with Weatherproof Housing & Warning Stickers
- Includes Red Flashing LED (Requires 2x AA Batteries)
- Tilt/Swivel Bracket / All Installation Materials Included
- Comes in Professional Retail Packaging



Indoor Replica CCTV Dome Camera

Part No: VSCDDF

- Replica Dome Camera with High Visibility Warning Stickers
- Includes Red Flashing LED (Requires 2x AAA Batteries)
- Packaged with All Installation Materials
- Comes in Professional Retail Packaging



Indoor/Outdoor Replica Infrared CCTV Camera

Part No: VSCD50F

- Replica Weatherproof Bullet Camera with Warning Stickers
- Includes Red Flashing LED (Requires 2x AA Batteries)
- Tilt/Swivel Bracket / All Installation Materials Included
- Comes in Professional Retail Packaging



Indoor Replica CCTV Camera

Part No: VSCDFF

- Replica Full Body Camera with High Visibility Warning Stickers
- Includes Red Flashing LED (Requires 2x AAA Batteries)
- Packaged with All Installation Materials
- Comes in Professional Retail Packaging



Replica Home Alarm Kit

Part No: DUMMYHA

- Simple Installation Imitation Home Alarm Kit
- Realistic Appearance Outdoor Siren/Strobe Deters Criminals
- Includes UV-Resistant Warning Labels and Installation Materials
- Comes in Professional Retail Packaging



STAND ALONE WATCHGUARD SECURITY PRODUCTS

ULTRA LOUD SIREN 110 DECIBEL



110dB Siren Alarm Padlock

Part No: WGALPAD



When armed, the Watchguard Security Alarm Padlock emits an ultra-loud ear-piercing sound upon detecting movement or shock. This increases 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.



12 Megapixel Hunting Camera

Part No: VSHUNTINGCAM



The VSHUNTINGCAM is a hunting, game or trail camera designed to be a scouting device. The camera features an array of different methods for detecting and viewing your subject. The camera is triggered by the passive infrared sensors that detect sudden changes in ambient temperature caused by moving wildlife/game. The camera then automatically takes pictures or records video clips.

The unique design of the VSHUNTINGCAM allows you to strap it to a tree for optimum positioning whilst the camouflaged case allows for discreet operation. The unit comes with a magnet key to activate a laser that assists in focusing the camera.

The VSHUNTINGCAM features a 12 Megapixel camera that captures 3000 x 4000px stills / 720p video, up to 8 months standby time (with 8x AA batteries), SDHC storage (up to 32GB), TV jack and mini-USB outputs, date and time-stamping features, time-lapse control and password protection. **Batteries and SDHC memory card not included.**



Stand Alone Photoelectric Smoke Alarm

Part No: WG1SMKP

Sensor Triggers on detecting visible smoke using light sensor and LED.
 • Built-in Test Button and Battery Missing Indicator
 • Extra Loud Alarm (Sound over 85dB)

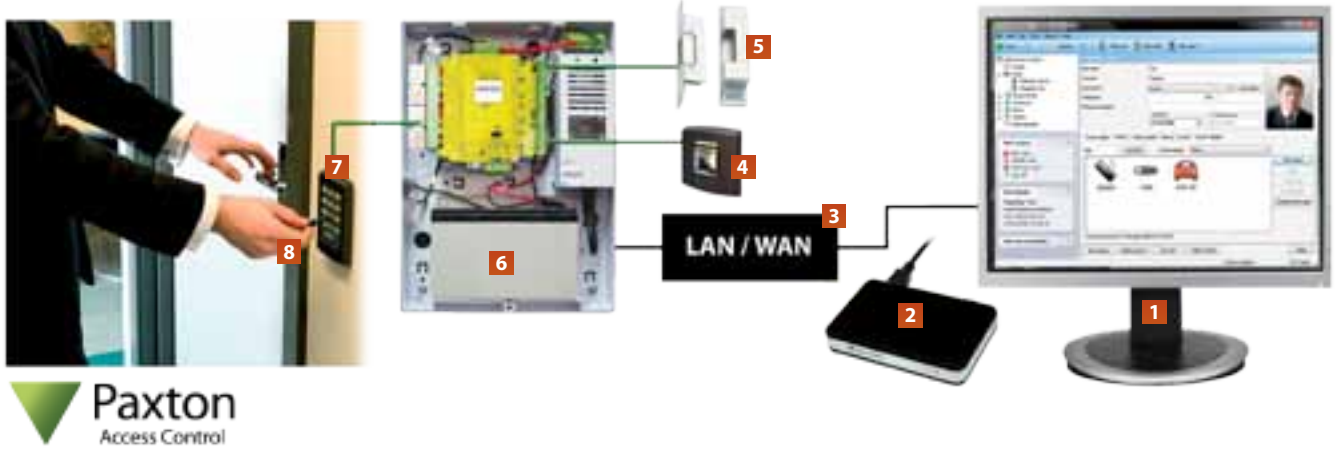


4 Pack A4 Alarm Warning Stickers

Part No: VSCDSA

• Contains 4x A4 Sized Alarm Warning Stickers
 • 2x Rear Adhesive for Flat Surface Use
 • 2x Front Adhesive for Interior Window Use

PAXTON NET2 ACCESS CONTROL SYSTEMS



Paxton Net2 Plus Single Door Networkable Access Control Unit (Wired)

Part No: PXT682531

The Paxton Net2 is an advanced PC based access control system. It has easy to use, intuitive software which allows users to be added quickly to the system. The system can generate access reports at the click of a button. The door control units are networked and have been designed to be simple to install and configure. **Can also be configured to interface with the WGAP864 panel.**

The Net2 Plus control unit connects to the central administration PC using an RJ45 plug into a standard TCP/IP Ethernet network. This greatly increases the flexibility of installation options on sites that have LAN/WAN networks. The Net2 Plus control unit also has a RS485 connection. This means it can be connected to other Net2 plus control units using a dedicated CAT5 cable.

One Net2 Plus control unit can be the network interface to the LAN and also run a wired RS485 daisy chain of other Net2 plus units, removing the need for an independent TCP/IP to RS485 converter. ***Battery not included.**

- 1. Computer
- 2. Keyfob/Card Programmer
- 3. LAN/WAN Connection
- 4. Exit Button E38
- 5. Electric Door Latch Release
- 6. Net2 Plus Cabinet with 2A PSU
- 7. Proximity Keypad KP75
- 8. Proximity Keyfob

Specifications: PXT682531	
Number of Cards / PINs	50,000
Number of Time Zones	64
Number of Access Levels	250
Maximum Door Open Time (sec)	1~99,999
Doors Per Access Control Unit	1
Readers / Keypad Per Port	2
Access Control Unit Per Data Line	200
Data Lines Per PC	100
Data Retention After Power Loss	Minimum 28 Days
Events Storage Capacity With Server Loss	2,454
Ethernet Network Speed	10~100 Mbps
Ethernet Bandwidth Requirement	200 Kbps
RS485 Network Speed	115.2 Kbps
Voltage	15V DC
Operating Temperature	0°C ~ +55°C



Paxton Net2 Nano Wireless Encrypted Access Control Unit (Wireless)

Part No: PXT654549

An easy to install access control unit using secure wireless communications - the Net2 Nano is a PC based security system for controlling door access. Net2 Nano also allows for access to be granted only at specific times. This networked system allows for all administration to be performed from a central point.

The Net2 Nano communications with Net2 software at a central point by a secure, low power radio link. This means that no cable is required to communicate between doors. This makes the Net2 Nano's installation far more cost effective and less disruptive. In addition, Net2 Nano benefits from unique ease of installation and configuration - no networking knowledge required. ***Battery not included.**

- 1. Computer
- 2. Keyfob/Card Programmer
- 3. Proximity Keyfob
- 4. Proximity Reader P50
- 5. Net2 Nano Cabinet with 2A PSU
- 6. Electric Door Latch Release
- 7. Exit Button E38
- 8. Net2Air USB Bridge

Specifications: PXT654549	
Total Number of Users	10,000
Total Number of Doors	Max. 200
Doors Per Access Control Unit (ACU)	1
Maximum ACUs Per Bridge	10 (Recommended)
Number of Tokens / PINs	10,000
Number of Time Zones	64
Number of Time Slots	2,000
Number of Access Levels	250
Stored Events Per ACU	4,096
Data Retention After Power Loss	60 Days
Hands Free Compatibility	Yes (Req. Interface)
Maximum Door Open Time (sec)	1 ~ 999,999
Reader Ports Per ACU	1
Ethernet Bandwidth Requirement	100 Kbps
Total ACU Reader Port Output Current	500mA
Operating Temperature	0°C ~ +55°C

PAXTON NET2 ACCESS CONTROL ACCESSORIES



Proximity P50 Reader

Part No: PXT353110

- IPX7 - Suitable for External Use
- Up to 10,000 Users on 1 Site
- 50W x 100H x 15D mm



Energy Saving Reader

Part No: PXT595248

- Electrical equipment is only switched on when an authorised user card is inserted and retained.



Proximity P200 Reader

Part No: PXT324110

- IPX7 - Suitable for External Use
- Up to 10,000 Users on 1 Site
- Metal Mount
- 200W x 200H x 15D mm



Proximity Vandal Proof Reader

Part No: PXT568855

- IPX7 - Suitable for External Use
- Buried in Wall or Door Frame
- Use in Vandal Prone Areas
- 30W x 60H x 48D mm



Long Range Reader

Part No: PXT313110

- Max. Range: 5m (w/ Handsfree Token)
- Ideal for Car Park Access Points
- Bright LED Visible in Sunlight



Proximity Metal Reader

Part No: PXT390747

- IPX7 - Suitable for External Use
- Supplied Security Screws & Key
- Suitable for Mounting on Metal
- 76W x 76H x 27D mm



Proximity KP75 Keypad

Part No: PXT375110

- IPX7 - Suitable for External Use
- Keypad & Proximity Reader All in One
- Read Range up to 100mm with Proximity Cards



Proximity Panel Mount Reader

Part No: PXT390135

- IPX7 - Suitable for External Use
- For Use in Audio/Video Entry Panels
- 58W x 58H x 17D mm



Proximity Marine Reader

Part No: PXT500010

- IPX7 - Suitable for External
- Marine Grade Stainless Steel
- High Visibility Blue Backlight
- Ø106mm



E50 & Marine Exit Buttons

Part No: PXT593721

- PXT356310 (right) Exit Button
- Marine Button (left)
- Constant Green LED; Flashes When Door is Unlocked



Net2 Proximity Keyfobs

Part No: PXT695644

- Comes in Box of 10 pcs
- Programmed with an 8 Digit Unique Number
- 14W x 40H mm



Hands-Free Keypad/Keyfob

Part No: PXT690333

- PXT690222 (Keyfob)
- Up to 5m Read Range
- Ideal for Gates/Barriers/Loading Doors & Disable/Elderly Access



ISO Cards Pack of 10

Part No: PXT692500

- No Magstripe or Sign Panel
- Envelope size: 120 x 73mm
- Card Size: 86 x 55mm



Hands Free Interface

Part No: PXT477222

- Convert New/Existing Readers or Keypads to Hands Free
- Greatly Increases Read Range
- In Plastic Housing



Desktop Reader USB

Part No: PXT514326

- Sits Next to PC / Adds Tokens
- Can Identify Lost Tokens
- Works Simply Via USB



Net2 USB/RS485 Converter

Part No: PXT455482

- Connects the PC Comport (RS232) to the Net2 Dataline (RS485)
- Suitable for Wall Mounting
- In Plastic Housing



Reader Connectors

Part No: Below - Left to Right

RJ45 Reader Port Connector Pack of 5 (PXT325030)

- Remove Screw Terminal Block from the ACU Reader Port and Replace Reader Junction Box (PXT325020)



Paxton Net2Air Range

Part No: Below - Left to Right

Net2Air Ethernet Bridge (PXT477384)

- Plugs into Existing LAN/WAN
- Net2Air USB Bridge (PXT477268)**
- Wireless Comm. for PC & Net2 Nano
- Net2Air Site Surveyor (PTX690200)**
- Checks for Signal Strength



GSM Products



GSM Fixed Wireless Communication Terminal with External Antenna

Part No: GSMTERMINAL

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.

GSMTERMINAL 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



GPRS/GSM Backup Module with Encrypted TCP/IP Communication

Part No: GSMBU-ZB

In case your landline is sabotaged or is out of service, this GSM backup 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.

GSMBU-ZB 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

VEHICLE SECURITY

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Rhino[®]
Vehicle Security

**Rhino Tracks**

RHINO CAR ALARMS & ENGINE IMMOBILISERS



Rhino

Australian Standards Approved Car Alarm & Upgrade in One Incl. 3 Point Engine Immobiliser and Glass Break Sensor

Part No: RAV3

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:

RAV3 Features:

- Three Point Automatic Immobiliser
- Intelligent Glass Break Sensor
- Intelligent Dual Stage Shock Sensor
- Coded Battery Back-Up Siren
- Door, Bonnet and Boot Protection
- Integrated Central Locking Relays
- Turbo Timer Functions
- Alarm Control via Vehicle Factory Key
- Special Features for Courier Drivers

RAV3 Includes:

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



Rhino

Anti-Hijack Car Alarm & Upgrade in One Incl. 3 Point Engine Immobiliser and Glass Break Sensor

Part No: RAV3-PNG

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.

RAV3-PNG Features:

- Three Point Automatic Immobiliser
- Intelligent Glass Break Sensor
- Intelligent Dual Stage Shock Sensor
- Coded Battery Back-Up Siren
- Door, Bonnet 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

RAV3-PNG Includes:

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



Common Features for RAV3 Series

Three Point Automatic Immobiliser: 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 Backup 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 & Central Locking: If the alarm is armed and a door, bonnet or boot is opened the alarm will sound. The alarm will lock/unlock the doors when the alarm is armed/disarmed.

Compatibility: The RAV3 and RAV3-PNG is compatible with all Rhino car alarm accessories and sensors. Each unit has a four year warranty and is also available in a 24V version.

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.

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.

Special Courier Functions: 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.

Two Rolling Code 4 Button Waterproof Remotes: If you are not using your vehicle's factory key to operate the alarm.



Rhino

Car Alarm & Immobiliser with 2-Way SMS Mobile Communication via SMS Text Messaging

Part No: RAMV2

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).

RAMV2 Features:

- 2/3 Point Engine Immobilisation (2 Onboard Relays and Output)
- Dedicated On-board Audio Discriminating Glass Break Sensor
- Battery Backup Siren / Battery Backup Siren
- 2x Remotes with Code Hopping Technology
- Points of Entry Protection (Doors, Boot, Bonnet)
- 2 Stage Shock/Impact Sensor with Auto Adjust
- Negative Pulse Central Locking Outputs
- GSM Low Coverage Warning
- * Mobile Phone not included

By Sending an SMS Message to Your Vehicle, You Can:

- Acknowledge Receipt of Alarm Message
- Remote Immobilise the Engine
- Remote Arm/Disarm the System
- Remote Unlock the Doors



The RAMv2 Can Send SMS Messages to Up to

5 Mobile Phones Advising:

- Alarm Activation and Cause
- Panic / Duress Activation
- Car Low Battery Warning
- If No Response, your RAMV2 will Dial Specifically Programmed Number(s)



Rhino

Backup Battery Car Alarm & Immobiliser

Part No: GTR

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.

GTR Features:

- 2 x Compact size remote controls
- 1 Point On-Board Engine Immobilisation
- Protects Doors, Boot and Bonnet
- Car Body Impact Sensor
- Central Locking Outputs for Keyless Entry
- Current (Voltage Drop) Sensing



Rhino

12V Backup Battery Car Alarm with 2 Point Immobiliser

Part No: GTS

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. **24V Version Available (GTS24V) - Siren is non-battery backup.**

GTS Features:

- 2 Point Engine Immobilisation (on board relays)
- Protects Doors, Boot and Bonnet
- Central Locking Relay Outputs for Keyless Entry
- Backup Battery Siren
- 2 x Code Hopping Remote Controls
- 2 Stage Car Body Impact Sensor



UPGRADE CAR ALARM SYSTEMS



Rhino



Upgrade Car Alarm & Immobiliser with Wireless Keypad

Part No: RAKP

With the RAKP, even if your car keys are stolen, 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.

RAKP Features:

- 1x 3 Point Auto Immobiliser: 3 On-Board Circuits Auto-Activate 38 Seconds After Ignition Off
- Programmable Auto Arming Alarm
- Manual Arming: Arm via Keypad PIN Only
- The Wireless Keypad uses Long Life Lithium Batteries and has Backlit Keys for Night Time Use



Rhino



Transformer Upgrade Alarm System For Vehicles with Factory Keyless Entry

Part No: TRANS

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 RAV3 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.

TRANS Features:

- 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
- All Black Wiring Harness
- 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



Rhino

Transformer SMS Add-On SMS Paging System For Vehicles with an Existing Alarm

Part No: TSMS



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.

TSMS Features:

- 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



Rhino

Remote Keyless Entry & Basic Immobiliser System

Part No: RCXI



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.

RAKP Features:

- Adds Remote Control Functions to Existing Key-operated Central Locking
- 2x 2 Button Remote with Code Hopping technology
- Operating Range of Approximately 80 Metres
- Ultra Compact Module: Dimensions (mm): 60(W) x 30(D) x 13(H)
- 1 Second (Momentary) Negative Central Locking Outputs For Each Channel
- Electric boot release output
- Optional Connection to Flashing LED, Engine Immobilisation Relay & Indicators



Rhino

Australian Standards Approved Remote Control 2 Point Engine Immobiliser

Part No: RES4601V2



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.

RES4601V2 Features:

- Australian Standards Approved AS/NZ 3749.1 2003
- 2 Point Engine Immobilisation (onboard relays)
- 2x 2 Button Remote with Code Hopping Technology
- Auto Immobilisation (Passive Arming)
- Visual Arming and Disarming Confirmation via Blinkers
- Negative Pulse Central Locking Outputs
- All Black Wiring Harness
- Insurance Approved



Rhino

Australian Standards Approved 12V Remote Control 3 Point Engine Immobiliser

Part No: JAGV3



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. **24V Version Available (Model: JAG24V)**

JAGV3 Features:

- Australian Standards Approved: AS / NZS 4601:1999 / amdt 1:2003
- Insurance Approved Including Specialist Insurers
- Three Point Engine Immobilisation (On-board Relays)
- 2x 3 Button Remotes with Code Hopping Technology & Light Button
- Auto Immobilisation (Passive Arming)
- On-board Central Locking Relay Outputs
- Optional Wireless Keypad Compatible
- Numerous Programmable Features Including Ability to Upgrade to Full Alarm system

VEHICLE SECURITY EQUIPMENT & ACCESSORIES

CENTRAL LOCKING KITS



Heavy Duty Central Locking Kits

- Part No: CLKHD (4 Door Locking Kit)
- CLKHD2D (2 Door Locking Kit)
- CLKHD24V (24V 4 Door Locking Kit)

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.

CLKHD Range Includes:

- 1x Control Module with Negative Lock / Unlock Pulse Inputs
- 2x 5 Wire Master Actuator / Door Lock Motors
- 2x 2 Wire Slave Actuator / Door Lock Motors
- Full Wiring Harness & Motor Mounting Hardware



Heavy Duty 5 Wire Central Locking Master Motor

Part No: DLHD101

Individual Central Locking 5-Wire Master Drive Motor



Heavy Duty 2 Wire Central Locking Slave Motor

Part No: DLHD102

Individual Heavy Duty 2-Wire Slave Central Locking Motor



Cable Lock Adapter for Central Locking Kits

Part No: CLKHDCABLE



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

VEHICLE SIRENS



Black Cabin Piezo Siren

Part No: DPS

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: 85W x 89D x 41Hmm



Coded Backup Battery Siren

Part No: BBSCV3

For use with Rhino RAV3 & JAG only.

These systems utilise a special data code signal to switch siren on and off.

- All Black Wiring
- Australian Standards Approved
- Power: 12VDC
- Dimensions: 105W x 110D x 80H (mm)



Mini Coded Backup Battery Siren

Part No: MINIBBSCV3

For use with Rhino RAV3 & JAG only.

These systems utilise a special data code signal to switch siren on and off.

- All Black Wiring
- Australian Standards Approved
- Power: 12VDC
- Dimensions: 55W x 65D x 72H (mm)



Universal Backup Battery Siren

Part No: SBB

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

- Colour Wiring Harness
- Negative & Positive Trigger Inputs
- Override Keyswitch
- Dimensions: 105W x 110D x 80H (mm)



Universal Mini Backup Battery Siren

Part No: MINISBB

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

- Colour Wiring Harness
- Negative & Positive Trigger Inputs
- Override Keyswitch
- Dimensions: 55W x 65D x 72H (mm)



Single Tone Siren

Part No: S42 / S4224V

Single tone siren.

- 12VDC and 24VDC Models
- 115dB Single Tone Siren



Ultrasonic Body Movement Sensor

Part No: UD6

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
- Power: 12V DC



Microwave Body Movement Sensor

Part No: UD5

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



Flush-Mount LED Flashing Light

Part No: FL5

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

- Power: 12V DC
- Dimensions: Ø5 mm



3 Dimension Digital Tilt Sensor

Part No: TILTSENSE2

Designed to help protect your wheels and detect tow away. Detects if your vehicle is tilted by more than a couple of degrees.

- Unaffected by Parking on Slope
- Saves Angle Position on Arming Vehicle
- XYZ Movement Sensing Technology



Automatic Electric Window Lifter

Part No: GLU400

Automatically closes two power windows when your alarm is armed. 2 units are required for a 4 door vehicle.

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



Electric Boot Release Motor

Part No: DL105

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



Dual Zone Microwave Detector

Part No: MDDZ

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 and Internal Movement
- Dimensions: 83W x 80D x 20H (mm)



2 Stage Vehicle Impact Sensor

Part No: SHOCK2S

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
- Pre-wired Female Plug
- Adjustable Sensitivity & LED Test Indicator



Standard Pinswitch

Part No: PIN409

Used to detect the opening of a vehicle bonnet, boot or doors. Adjusted by cutting the pin.



Right Angled Pinswitch

Part No: PIN410

Used to detect the opening of a vehicle bonnet, boot or doors. Adjusted by cutting the pin.



Metal Pinswitch

Part No: PINSW

Used to detect the opening of a vehicle bonnet, boot or doors. Adjusted via the screw thread.



Van Sliding Door Switch

Part No: VANSW

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

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



40 Amp 5 Pin Changeover Relay

Part No: 40ARELAY / 40ARELAY-24

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.



Differential Pressure Sensor

Part No: PRESSENSE

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

GPS TRACKING & DRIVING RECORDER SYSTEMS



Have you ever needed to know where your vehicle is? Where it has been? How fast it was travelling? View live tracking updates and recorded travel histories with any of the RhinoTracks range. You can use the RhinoTracks GPS service across a multitude of applications including vehicle monitoring, fleet management, anti-theft purposes and real-time tracking.

Visit www.rhinotracks.com.au for a demonstration of the RhinoTracks Service



For a Demonstration of RhinoTracks Service Visit:
www.rhinotracks.com.au



Standard RhinoTracks GPS Vehicle Tracking

Part No: RHINOTRACKS-ST2



The RHINOTRACKS-ST2 is our standard GPS Vehicle Tracker, designed to keep you informed of where your vehicle is and where it has been. The system includes standard GPS tracking functions and comes with GPRS and GPS antenna. The RHINOTRACKS-ST2 is suitable for 12V and 24V DC Vehicles.

When coupled with our RhinoTracks Service, the system supports numerous GPS applications including:

- Vehicle Location, Remote Monitoring and Remote Navigation
- Provides Accident and Travel History Records
- Fleet Management
- Real-time Tracking
- 4G Compatible

* RhinoTracks tracking service fees apply. Fee is charged quarterly in advance at time of purchase.
(Fee incurred from mobile network service charges only)

* Google Maps and Street View are trademarks 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.

** RhinoTracks GPS products require your vehicle is located within selected mobile phone network carrier's GSM coverage, that GPS satellites are operational and that the vehicle is not undercover. RhinoTracks service fees are charged quarterly in advance at time of purchase.



Available on Special Request

Mini Tracker for Container or Covert Tracking

Part No: RHINOTRACKS-CTS

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.

The RHINOTRACKS-CTS 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.



Available on Special Request

Stand Alone GPS/GPRS/SMS Solar Panel Tracker

Part No: RHINOTRACKS-SPT

The 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.



Available on Special Request

Wind Power Tracking System with Built in GPS/GSM Antenna

Part No: RHINOTRACKS-WPT

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.



Single Camera Mobile Digital Video Recorder

Part No: MDVR-HDV3

Developed to provide added safety, security and peace of mind to individual drivers and larger transport fleets, the MDVR-HDV3 is an in-car driving recorder system.

The internal video camera can record at a resolution of 1280 x 720 pixels, providing 720p quality recording. Along with the camera, the unit also has an built-in microphone for audio recording. The unit includes a bracket which allows it to be easily attached to the windshield of a motor vehicle. The unit includes the footage viewing software.

Easy Installation

Simply install the unit on the windscreen, provide power by connecting the unit to the auxiliary socket and turn the car on. The unit will automatically begin recording.

Manual/Event Recording

The unit includes an Emergency Recording Button, allowing the user to initiate recording whenever they wish.

Camera	1 x CMOS Image Sensor
Video Resolution	1280 x 720
Audio	Internal Microphone
Memory	Supplied with 4GB SD Card, Maximum Memory 32GB
Power	DC 12 ~ DC24V



2 Camera Mobile Digital Video Recorder

Part No: MDVR-TAXIV5

The MDVR-TAXIV5 represents the next generation of in-car 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. The unit includes both compact mounting brackets, and a windshield cradle to allow you to mount the unit to the windshield of the vehicle. The internal cameras capture clear images when the car is driving or stationary (when power is supplied). Simply remove the SD memory card from the unit and connect to your Windows PC for viewing using the supplied USB SD card reader.

Constant Recording Function

The product constantly stores video from both cameras, voice 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.

Camera	2 x CMOS Image Sensor
Video Resolution	640 x 480 per Camera
Audio	Internal Microphone
Memory	Supplied with 4GB SD Card, Maximum Memory 32GB
Power	DC 12 ~ DC24V



RECORD ALL CHANNELS
D1@25FPS

Full D1 Recording 4 Channel Mobile Digital Video Recorder with GPS Receiver

Part No: MDVR-GPSV3

The Rhino 4 Channel Vehicle Mobile Digital Recorder with GPS Receiving Unit is the ideal product for a number of applications, including monitoring driver behaviour; providing video evidence in the event of an accident; proving deliveries have been made; and GPS vehicle tracking on playback.

- Mobile DVR Supports Up to 4 Cameras
- Full Time Channel D1 (704 x 576) Real-time (25fps) Recording
- VGA / Composite Simultaneous Video Output
- Full Channel Synchronous Real-time Playback
- Remote Viewing and Multiple Network Monitoring
- Supports 1x SATA HDD and 2x USB 2.0 Ports
- Built-in High Accuracy GPS Module
- Power Supply: 12V / 24V

The unit includes an A/V Input loom to allow you to connect up to 4 cameras to the device (For recording views such as front view, rear view, driver view, passenger/cargo view). The recorded footage is stored on the removable 2.5" Hard Drive, and can be backed up via USB.

* Hard Drive Not Included

VEHICLE REVERSING ASSISTANCE



**Rearview Mirror with 4.3" TFT-LCD
Built-in Monitor & Number Plate Camera Kit**

Part No: VSDS-RVM4.3

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

- Video Display Turns On Automatically While Reversing
- Built-in 4.3" Colour TFT-LCD Screen
- Monitor Resolution: 480 x 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
- 110° Horizontal Viewing Angle
- Power" 12VDC 200mA



4 Sensor Reversing Kit with Audible Alert

Part No: REVERSE4B

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

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

VEHICLE CAMERAS & MONITORS



420TVL Reversing Camera with Adjustable Bracket

Part No: VSDS-ABCAM

- Horizontal Resolution: 420TVL
- Image Sensor: 1/4" CMOS
- Wide Lens Angle: 170°
- IP Rating: IP67 (Waterproof)
- Power: 12VDC



420TVL Flush Mount Reversing Camera

Part No: VSDS-FMCAM

- Horizontal Resolution: 420TVL
- Image Sensor: 1/4" CMOS
- Wide Lens Angle: 170°
- IP Rating: IP67 (Waterproof)
- Power: 12VDC



420TVL Reversing Camera with Fixed Bracket

Part No: VSDS-FBCAM

- Horizontal Resolution: 420TVL
- Image Sensor: 1/4" CMOS
- Wide Lens Angle: 170°
- IP Rating: IP67 (Waterproof)
- Power: 12VDC



420TVL Mini Reversing Camera

Part No: VSDS-MINICAM

- Horizontal Resolution: 420TVL
- Image Sensor: 1/4" CMOS
- Wide Lens Angle: 170°
- IP Rating: IP67 (Waterproof)
- Power: 12VDC



420TVL Flush Mount Reversing Camera with Infrared

Part No: VSDS-BUMPCAM

- Horizontal Resolution: 420TVL
- Image Sensor: 1/3" CMOS
- Wide Lens Angle: 90°
- IP Rating: IP67 (Waterproof)
- 10x Infrared LEDs for Night Use
- Power: 12VDC



Number Plate Mounted Colour Reversing Camera with Infrared LEDs

Part No: VSDS-NPCAMKIT

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.

VSDS-NPCAMKIT Features:

- 8 x Infrared LEDs Offer Enhanced Night Time Operation
- Easily Mounts Above your Number Plate
- 110° Horizontal Viewing Angle
- Power" 12VDC 200mA
- Camera can be Tilted Up and Down to Provide the Best View
- Compatible with Rhino's Full Range of In-vehicle LCD Display Monitors or any other LCD Display



7 Inch LCD Monitor with Stand & Remote Control

Part No: LCD7

7" LCD monitor includes stand, remote control and dual video inputs.

LCD7 Features:

- 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

10m Video & Audio Cable for Truck Camera

Part No: VSRVM-CBL10

10m RCA (Video and Mono Audio) Cable.



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.

SECURITY ESSENTIALS



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SECURVIEW

BATTERIES



CR2450 3V Lithium Battery

Part No: CR2450BULK

- Suits:
- PIRW3
 - WREEDI



3V Lithium Battery - CR2025

Part No: CR2025BP

- Suits:
- RCTX3-T



CR2032 3V Lithium Battery

Part No: CR2032BP

- Suits many general purpose remote controls.



3V Lithium Battery - CR1616

Part No: CR1616BP

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



Remote Control Battery 12V, Type 23A

Part No: TX12V23A

- Suits:
- PTX, GLTX



12V DC 1.2AH Sealed Lead Acid Battery

**Part No: D12V1.2 (1.2AH)
D12V7 (7AH)**

- 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



Fully Automatic Sealed Lead Acid Battery Charger

Part No: PSLEADCHRG

- 12V 350mA Fully Automatic

AC / DC POWER SUPPLIES



Switchmode Power Supplies

PS5VDC1AMP	5 Volt DC	1000mA	DC Plug
PS5VDC500MA	5 Volt DC	500mA	DC Plug
PS12VDC500MA	12 Volt DC	500mA	DC Plug
PS1500SM	12 Volt DC	1500mA	DC Plug
PS5000SM	12 Volt DC	5000mA	DC Plug
PS16VAC	16 Volt AC	1500mA	Bare Wire
PS18VDC	18 Volt DC	500mA	DC Plug
PS19V2A	19 Volt DC	2000mA	DC Plug
PS24VDC2AMP	24 Volt DC	2000mA	DC Plug
PS24VAC2AMP	24 Volt AC	2000mA	DC Plug

All plugs - Inner Ø: 2.1mm / Outer Ø: 5.5mm

LEADS & CONNECTORS



DC Power Jack to Jack Coupler

Part No: VSDCJ2JC



RCA To BNC Adaptors

Part No: VSFR2B

- Male RCA to Female BNC adaptor



BNC To RCA Adaptors

Part No: VSFB2R

- Male BNC to Female RCA adaptor.



BNC / 'T' Connector

Part No: VSFBTA

- BNC - T Connector



BNC Connectors

**Part No: VSFBNC
Part No: VSFBNC3**

- BNC (Standard compression type)

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



**High Quality
Compression BNC Plug**

Part No: VSFBC6

- For RG6 Cable



**High Quality
Compression BNC Plug**

Part No: VSFBC59

- For RG59 Cable



BNC Jack to Jack Bulkhead

Part No: VSFBCBULKHEAD



Twist BNC Connector

Part No: VSFBNCTWIST

- Installer Can Fix this BNC Plug by Hand
- More Reliable than Crimp Style
- RG59



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



BNC Plug to RCA Plug

Part No: VSFBRP



BNC Plug to F Jack

Part No: VSFBPJ



**Inline BNC Connector,
Socket to Socket**

Part No: VSF2B

- BNC Socket to BNC Socket



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

Part No: VSBNC2PAC



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

Part No: VSRCAP2BNCJAC



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

Part No: VSPP36C



**DC Power Plug to
Screw Terminal**

Part No: VSDCCABLE

DC Plug Dimensions:

Outer Ø: 5.5mm / Inner Ø: 2.1mm



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

Part No: VSPS36C



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

Part No: VSP2PAC



**1 Female to 2 Male
Power Couplers**

Part No: VSDC1F2M



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

Part No: VSPS2SMAC



DC Power Connector

Part No: VSFDCP

Part No: VSFDCPF2.1

Part No: VSFDCP2.5

- DC Power Connector Plug 2.1mm (Model: VSFDCP)
- DC Power Connector Socket 2.1mm (Model: VSFDCPF2.1)
- DC Power Connector Plug 2.5mm (Model: VSFDCP2.5)



Pre-terminated Combined Power & BNC Video Leads

Part No: RCA4CHLOOM10M
Part No: RCA4CHLOOM20M
Part No: RCA4CHLOOM30M

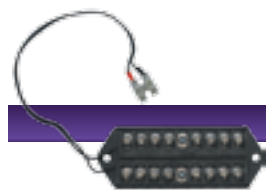
Pre-terminated cables with no crimping required. Your plug & play solution!
Please note: The above power / video leads are not suitable for cameras which draw more than 700mA of current.



Regulated Switchmode Step Down Converter

Part No: VSPOWCONVERTER

- Converts an AC or DC supply up to 36V to a regulated 12VDC output at up to 1A.



Connector Strip with Screw Terminals for Distributing Power to Cameras

Part No: VSTBB

- One Input
- 8 Outputs
- Polarity Markings



Low Voltage Battery Cut-Off

Part No: VSPOWCUTOFF

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.



RCA Line Plug Male - Red

Part No: VSFRLPR



RCA Line Plug Male - Black

Part No: VSFRLPB



RCA Line Plug Male - Yellow

Part No: VSFRLPY



RCA Line Socket Female - Red

Part No: VSFRLSR



RCA Extension Leads (3 x RCA to 3 x RCA)

Part No: RCA315
Part No: RCA330

1.5m (Model: RCA315)
3.0m (Model: RCA330)



Replacement 16ch BNC Lead for VIP Vision Analogue DVR

Part No: OCTOBNCN

This is a replacement 8 Channel BNC lead for VIP Vision capture card.



5-Way Power Splitter

Part No: DC4CHLOOM

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

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 RG59 Coax and Power Cable - Black 95% Braiding

Part No: DCOAXPWR24FCBP

- Combined coax/power cable
- 100% copper conductor
- Fig 8 - (2 x 24/0.2mm Stranded)



12VDC 18 Channel 15A Switch Mode CCTV Power Supply

Part No: PS12V15A18CH

- Efficient Compact Design
- 18 Individual Fused Outputs
- Outputs can be Connected in Parallel for Connecting Cameras
- Suitable for Indoor Use
- Input Voltage: AC 110-240V
- Output Voltage: 12VDC
- Dimensions(mm): 300(H) x 202(W) x 60(D)
- Weight 2.10kg



24VAC 18 Channel 10A Switch Mode CCTV Power Supply

Part No: PS24VAC10A18CH

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
- 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

UNINTERRUPTIBLE POWER SUPPLIES



UPS Professional Series

UPS600VA	360W	Tower
UPS1000VA	600W	Tower
UPS1400VA	840W	Tower
UPS2200VA	1320W	Tower

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



UPS Enterprise Series

UPS1000VAXC	700W	Tower
UPS1000VAXCRM	700W	Rackmount
UPS2000VAXC	1340W	Tower
UPS2000VAXCRM	1340W	Rackmount
UPS3000VAXC	2100W	Tower
UPS3000VAXCRM	2100W	Rackmount

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

CABLE TOOLS



7.6 inch Professional Compression Tool

Part No: VSCOMPTOOL

- Adjustable and Changeable for Waterproof Connectors
- Suitable for F/RCA/BNC RG-59, 6 (4C,5C) Waterproof Connectors
- Use with: VSFBC6 and VSFBC59



Coaxial Connector Cable Crimping Tool with 5 Jaws

Part No: TSA50

- 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
- Use with: VSFBC and VSFBC3



Coaxial Cable Stripping Tool

Part No: VSA18

- 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



5-in-1 Multi Purpose 12VDC Tester

Part No: VSVOLTESTER

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 the unit performs are:

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



Cable Tester - Tone Generator & Probe

Part No: VSCABLETESTER

Features (Probe):

- Sound or Illumination and Vocal-light Indicating for Choice
- Adjustable Volume
- Low Voltage Warning

Features(Tone Generator):

- Choose Switch of Multiple Frequency Signal and Single Signal
- Syllogistic Remote Switch Applies for Control Operation Mode
- Three Colour Pilot Light: Display Circuit Polarity, Continuity and Voltage Test
- Red and Black Test Standard Four Wire Plug

VIDEO BALUNS



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

Part No: VSQUADBALUN

- For both Camera Side and Monitor side
- Camera/Monitor Connectors: 4x 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.



1 Channel Video/Audio Balun

Part No: VSQC-3424

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.



Monitor Side BNC Male Video Active Balun

Part No: VSBAL-MBMAA

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



Camera Side BNC Male Video Active Balun

Part No: VSBAL-CBMAA

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



Camera Side BNC Male Video Active Balun

Part No: VSBAL-CBMAL

- BNC Male to Screw Terminal with 12VDC Plug Pigtail
- 1800m CAT5 Active-Active Video Transmission Distance
- Also Avail. with Built-in Surge Protector



1 Channel Active Camera Side Balun

Part No: VSBALACTIVE

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



**Passive Video Balun Pair
BNC to UTP**

Part No: VSBALTWPAIRVO

- Video Over 2 Wires with Terminal Block

**Passive Ethernet Over Coax
Baluns**

Part No: VSEOCPAIR

- Transfers Ethernet Signal through Coax
- Data Rate 10Mbps Up to 100m Cable
- Cost Effective Way of Upgrading to IP

HDMI Over Coax Extender

Part No: HDMICOAXSET

- Send HDMI signals over single coaxial cable up to 100m at 1080p resolution
- Support daisy chain multiple remote displays
- HDMI 1.3b and HDCP compliant

**1 In 3 Out HDMI to CAT5
Transmitter / Receivers**

**Part No: HDMICAT5-TX
HDMICAT5-RX**

- 1 Input 3 Output HDMI to CAT5 Extender with Chainable Receiver
- HDMI1.3 Compliant / HDCP Compatible
- Max Transmission Range 100m at 1080p

**Receiver Shown Top (HDMICAT5-RX)
Transmitter Bottom (HDMICAT5-TX)**

VIDEO AMPLIFIERS & DISTRIBUTORS

**1 Video Signal to 1 Video
Output**

Part No: VSAV11BNCF

- Video Input/Output: 1/1
- Video Connector: BNC Female
- Power Consumption: 12VDC 150mA
- Also Available in 2 Video Output
Model: VSAV12BNCF (left)

**1~4 Video Signal to 4 Video
Output**

**Part No: VSAV14BNCF (1 Input)
VSAV24BNCF (2 Inputs)
VSAV44BNCF (4 Inputs)**

- Video Connector: BNC Female
- **Video Input/Output:**
VSAV14BNCF: 1/4
VSAV24BNCF: 2/4
VSAV44BNCF: 4/4
- **Power Consumption:**
VSAV14BNCF: 12VDC 150mA
VSAV24BNCF: 12VDC 300mA
VSAV44BNCF: 12VDC 500mA

VIDEO BALUN RACKMOUNT PANELS



***Balun Not Included**

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

Part No: VSQC-3427RMP

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.



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

Part No: VSQC-3427RM

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

SURVEILLANCE PROTECTION EQUIPMENT

**UTP Data Surge Protection for
PTZ Controllers or Data Cables**

Part No: VSSPU

- Terminal Block Simple In-Out Design
- Surge protection attack time: 100ns
- Maximum Surge Current: 5000A
- Dimensions: 45W x 25L x 25D mm
- Weight: 74g

**UTP Video & Data Surge
Protection for IP Cameras &
Network Devices**

Part No: VSSPR

- RJ45 Connector Simple In-Out Design
- Surge protection attack time: 100ns
- Maximum surge current: 50,000A
- Dimensions: 32W x 45L x 72D mm
- Weight: 105g

**Coaxial Surge Protection for
CCTV Cameras**

Part No: VSSPB

- BNC Connector Simple In-Out Design
- Surge protection attack time: 100ns
- Maximum surge current: 5000A
- Dimensions: 78W x 25L x 25D mm
- Weight: 80g

Ground Loop Isolator

Part No: VSVSI

- 75Ω BNC Male to 75Ω BNC Female
- Transient Voltage Suppressor: 12V RMS
- 100mm Miniature Coaxial Cable Input BNC Male with BNC Female Output
- Isolation Voltage: 750V DC
- Insulation Resistance: >100 M ohm
- Dimension: 50 x 30 x 25 mm



Single Button Remote Control

Part No: GLTX (Fixed Code)
GLRLTX (Rolling Code)

- GLTX - Fixed Code
- Used with Rhino LS and GA Car Alarms
- GLRLTX - Rolling Code



2 Button Code Hopping Remote

Part No: GTTX (Yellow LED)
GTSTX (Red LED)
GTRTX (Green LED)

- GTTX - Yellow LED:**
- Code Hopping Suits Rhino RCX and RES4601V2 Immobilisers, WGUARDSMS2010
- GTSTX - Red LED:**
- Code Hopping Suits Rhino GTS Car Alarm
- GTRTX - Green LED:**
- Fixed Code Suits Rhino GTR Car Alarm



3 Button Code Hopping Remote with LED Torch

Part No: RCTX3-T

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



4 Button Code Hopping Remote Control for RAV3

Part No: RAV3TX

- As supplied with the Rhino RA (V3) and JAGV3 Car Alarm
- Also compatible with Rhino RCX, RES4601V2 and WGSMS2010



4 Button Code Hopping Remote

Part No: RCTX4-U

- 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



UHF Learning Programmable 4 Button Replacement Remote

Part No: PTX

The Rhino PTX Remote Control can duplicate a majority of fixed code remote controls (not code hopping remotes). The PTX remote has four buttons so that it will universally suit most remotes with 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 & Home Alarms, Panic Buttons, Garage Doors
- Copies Most Radio Frequency Fixed Code Remote Controls
- Learns in Seconds / Battery is Included
- 255-500 MHz Adjustable Frequency

Universal Air Conditioner Remote

Part No: RS10

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.

RS10 Features:

- Low Power Consumption.
- Long Distance Transmission Range
- Simple to Set Up and Operate
- LCD Screen Shows Functions, e.g: Temperature and Operating Mode
- Dimensions (mm): H135 x W47 x D23
- Requires 2x AAA Batteries to Operate



* Remote Control Not Included

RF Remote Control Frequency Counter

Part No: FREQCOUNTER

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. Features large & easy to read display; reads 250~500MHz; power supply included.

COMMUNICATION SYSTEMS

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Cisco Small Business Communications Series

Part No: CISCO-UC320W-8PACK

Affordable Unified Communications for Small Business

Small businesses no longer need to compromise on voice quality or features for unified communications. With a Cisco® Small Business solution, they can have the quality, peace of mind, and investment protection of a business-class solution at an affordable price.

For small businesses with up to 24 phones per location, the Cisco Small Business Unified Communications 300 Series, model 320W, is a complete unified communications system that delivers more—integrated voice and data plus additional features designed and built just for small business. As a part of the Cisco Small Business product family, this easy-to-use solution delivers advanced features to better connect employees and serve customers, all on a highly secure Cisco network.

Package Includes

- 1 x Cisco UC320W Unified VoIP Telephone and Wireless Hub
- 8 x Cisco SPA525G VoIP Handset
- 1 x 8 Port Power-over-Ethernet Switch
- 8 x 20 metre network cables
- 1 x 1 metre network cable

Features

Supplied Handsets	8
Handsets Expandable To	24
Supported PSTN Lines	4
Expandable PSTN Lines	12
Gigabit Ethernet WAN Ports	1
Gigabit Ethernet LAN Ports	4
PSTN Line (FXO) Ports	4
PSTN Phone (FXS) Ports	1

Capacity

Simultaneous Calls	12
Simultaneous Voicemail	4
Automated Attendants	8

Features and Benefits

The Cisco Unified Communications 320W provides an easy-to-use solution for your small business network.

- **Low cost:** Value-based IP telephony design helps save small businesses money. Customers can choose Cisco SPA300 or SPA500 IP phones or use analog phones for locations where Ethernet cabling is not available.
- **SIP trunking:** Use of SIP trunks helps reduce monthly charges by providing an alternative to traditional phone lines.
- **Compact size:** Designed for small office spaces, the Cisco Unified Communications 320W can be installed as a desktop unit or mounted on a wall.
- **Comprehensive feature set:** Innovative key system and small private branch exchange (PBX) capabilities are available with easy-to-use Cisco SPA 300 and SPA 500 Series IP Phones, helping improve productivity.
- **Easy installation and changes:** Web-based configuration utility uses a setup wizard for quick deployment and easy changes.
- **Investment protection:** Businesses that are growing rapidly can use most components of the solution with other Cisco Unified Communications solutions, providing industry-leading investment protection.
- **Peace of mind:** Cisco Unified Communications solutions deliver the solid reliability you expect from Cisco. All solution components have been rigorously tested to help ensure easy setup, interoperability, and performance.



Digital PBX Keyphone System with Four LCD Handsets

Part No: EASYPBX-PACK4W (White Handsets)
EASYPBX-PACK4B (Black Handsets)

Complete Business Phone System - Easy to Use - Easy to Program

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

System Includes:

- 4x LCD Display Handsets
- 1x PBX Central Control Module





Additional Digital Keyphones

Part No: EASYPBX-PHONE8W/B - EASYPBX-PHONE12B/W - EASYPBX-PHONE24W/B

Additional handsets for EASYPBX phone systems. Each model comes in black or white, features fully-hands free two wire installation, can display caller ID with optional expansion card, displays time, date and phone name on stand by screen. Specific details regarding model are listed below:

EASYPBX-PHONE8W/B Features:

- 12 Programmable Function Keys
- Time, Date, Phone Name Displayed
- Displays Caller ID (Expansion Card Req.)

EASYPBX-PHONE12W/B Features:

- 16 Programmable Function Keys
- Time, Date, Phone Name Displayed
- Displays Caller ID (Expansion Card Req.)

EASYPBX-PHONE24W/B Features:

- 24 Programmable Function Keys
- Time, Date, Phone Name Displayed
- Displays Caller ID (Expansion Card Req.)
- Extra Function Keys may be Used as an Operators Switchboard



Unified VoIP and Wireless Networking Telephone Hub

Part No: CISCO-UC320W

A simple, powerful and easily installed all-in-one VoIP telephone hub. This singular unit combines a VoIP telephone management system, with SIP trunking, call processing, voicemail and conferencing, with a four port GB/s network switch and a wireless 802.11 b/g/n wireless access point. Supports CISCO-SPA525G wireless handsets.

- Supports up to 12 PSTN Lines
- Supports up to 24 phones (maximum of 4 analogue phones/faxes)
- Web Based Setup Utility
- 4x 1GB/s Ethernet Ports / Voice Mail / SIP Trunking



5 Line VoIP Handset

Part No: CISCO-SPA525G

Wirelessly connect to your CISCO-UC320W telephone hub with this handset, or connect wired with PoE or an external power supply.

- Five Active Lines
- Full Duplex Speakerphone
- QVGA Colour LCD Screen
- Built-in VPN Client for Security



Linksys Voice Over IP Analogue Telephone Adapter

Part No: VOIP-VOICEBOX

- 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



SPA525G Expansion Module

Part No: CISCO-SPA500S

Expand the capabilities of your current CISCO-SPA525G handset with this module, providing 32 new programmable buttons with LED status indication.

- Programmable Functions:**
- Call Transfer
 - Line Status Monitoring
 - Speed Dial
 - DSS
 - Busy Lamp Field
 - One Touch Transfer
 - Call Pickup



VoIP External FXO Gateway

Part No: CISCO-SPA8800

When you need to convert incoming PSTN lines for use with your PBX system, or find your current PBX system supports less lines than you need, the CISCO-SPA8800 will slot into place easily, providing you with four FXO ports for incoming lines, and another four FXS ports for legacy handsets. This unit supports standard SIP protocols and data encryption methods.



Telephone Extension Leads

**Part No: PHONEEXT1M (1m)
PHONEEXT10 (10m)
PHONEEXT20 (20m)
PHONEEXT30 (30m)**

- Flexible Multistranded Wire & Fitted with Modular 6P4W Plugs
- Can be Used with 606 Adapter Shown Below
- Available in a Variety of Lengths

Australian 606 to US Modular Adapter Model No: 606M2



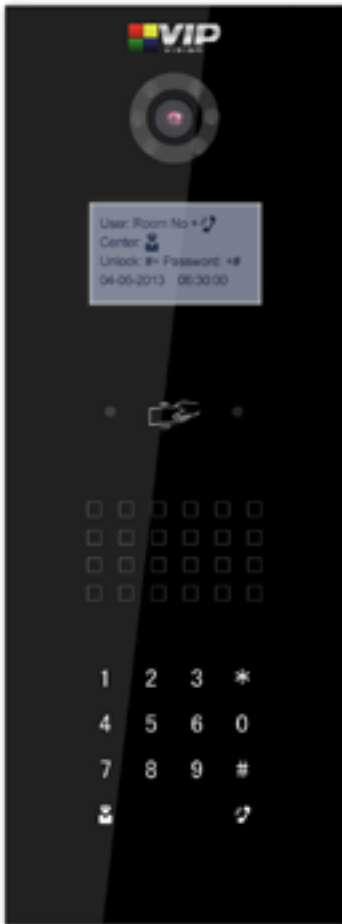
3.5mm Male to Male Audio Lead

Part No: AUDIOCABLE

- Used to Connect the EasyPBX System to a Standard Hold Music Source e.g: Radio
- Cable Length: 1.2m

The latest range of video intercoms from VIP Vision are designed for flexibility and ease of use and are ideal for commercial and large residential applications. The video intercom range features stylish door stations and colour-display indoor monitors.

VIP VISION OUTDOOR STATIONS



Black Touch Input Outdoor Station for Apartments

Part No: INTIPADSB

The INTIPADSB is an excellent video intercom solution in apartment complexes and other large residential applications. For ease of access in all situations, the backlit keypad lights up in blue upon detecting motion and door station includes voice verification on key presses.

INTIPADSB Features:

- 3.0" Super-twisted Nematic (STN) Display
- Stylish Black-Crystal Glass Panel with Resistive Touch Input Keypad
- 1.3 Megapixel Door Camera with Excellent Low Light/Night Time Use
- Input Buttons Feature Voice Verification
- Call Contact / Management Centre / Indoor Monitor Functions
- Support for Tamper Detection and Remote Unlock
- Adopt TCP/IP Network Standard Protocol - Assigns Unique IP Address for Each Device
- Supports SNMP Network Protocol
- Door Station can Communicate to Up to 300 Indoor Terminals
- Authentication Methods: Integrated Circuit (IC) Card & Password Support
- Power Supply: 10~15VDC
- Power Consumption: Standby - 1W / In Use - 10W
- Dimensions (mm): 376(L) x 151(W) x 60(H)

TOUCH INPUT & GLASS FRONT

1.3 MEGAPIXEL CAMERA

CARD OR PIN TO UNLOCK



Silver Outdoor Station for Apartments

Part No: INTIPADSS

The INTIPADSS is an excellent video intercom solution in apartment complexes and other large residential applications. This model features a durable die-cast aluminium construction for the station front plate and aluminium keypad buttons. This door station also includes voice verification on key presses for ease of access.

INTIPADSS Features:

- 3.0" Super-twisted Nematic (STN) Display
- Durable Die-Cast Aluminium Construction with Aluminium Keypad
- 1.3 Megapixel Door Camera with Excellent Low Light/Night Time Use
- Input Buttons Feature Voice Verification
- Call Contact / Management Centre / Indoor Monitor Functions
- Support for Tamper Detection and Remote Unlock
- Adopt TCP/IP Network Standard Protocol - Assigns Unique IP Address for Each Device
- Supports SNMP Network Protocol
- Door Station can Communicate to Up to 300 Indoor Monitor Terminals
- Authentication Methods: Integrated Circuit (IC) Card & Password Support
- Power Supply: 10~15VDC
- Power Consumption: Standby - 1W / In Use - 10W
- Dimensions (mm): 376(L) x 151(W) x 60(H)

BUILT TOUGH CAST ALUMINIUM

1.3 MEGAPIXEL CAMERA

CARD OR PIN TO UNLOCK



Touchscreen Indoor Intercom Monitor & Handset

Part No: INTIPMONAH

The INTIPMONAH is a part of the VIP Vision range of elegant indoor monitors to accompany your video intercom solution. The unit is operated via the resistive touchscreen, with common functions completed quickly via buttons on the front of the device. For additional functionality, this device also features a handset that fits snugly to the left of the main unit.

INTIPMONAH Features:

- 7" Resistive Touch TFT LCD Screen - 800 x 600 Resolution
- 1 Channel 10/100Mbps Self Adaptive Ethernet
- Able to Communicate with Others in the Community
- Details Missed / Received / Placed Calls with Timestamp
- Contact Book / Leave Message / Emergency Call Functionality
- Monitor Mode - View Through Camera at Any Time
- Supports Do Not Disturb & Multiple Outdoor Station Connectivity
- Power Supply: 10~15VDC / Supports Power Over Ethernet Power

Model Without Handset Also Available - Part No: INTIPMONA



Touchscreen Indoor Intercom Monitor

Part No: INTIPMONB

The INTIPMONB is a part of the VIP Vision range of elegant indoor monitors to accompany your video intercom solution. The unit is operated via the resistive touchscreen, with common functions completed quickly via buttons on the front of the device.

INTIPMONB Features:

- 7" Resistive Touch TFT LCD Screen - 800 x 600 Resolution
- 1 Channel 10/100Mbps Self Adaptive Ethernet
- Able to Communicate with Others in the Community
- Details Missed / Received / Placed Calls with Timestamp
- Contact Book / Leave Message / Emergency Call Functionality
- Monitor Mode - View Through Camera at Any Time
- Supports Do Not Disturb & Multiple Outdoor Station Connectivity
- Power Supply: 10~15VDC / Supports Power Over Ethernet Power



Touchscreen Indoor Video Intercom Monitor

Part No: INTIPMONC

The INTIPMONC is a part of the VIP Vision range of elegant indoor monitors to accompany your video intercom solution. The unit is operated via the resistive touchscreen, with common functions completed quickly via buttons on the front of the device.

INTIPMONC Features:

- 7" Resistive Touch TFT LCD Screen - 800 x 600 Resolution
- 1 Channel 10/100Mbps Self Adaptive Ethernet
- Able to Communicate with Others in the Community
- Details Missed / Received / Placed Calls with Timestamp
- Contact Book / Leave Message / Emergency Call Functionality
- Monitor Mode - View Through Camera at Any Time
- Supports Do Not Disturb & Multiple Outdoor Station Connectivity
- Power Supply: 10~15VDC / Supports Power Over Ethernet Power



ENSA LED LIGHTING



The ENSA Range 72

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ENSA™

LED LIGHTING & ENERGY SAVING DEVICES



In Action: ENSA™ 200W LED High Bay Installation

ENSA™

LED LIGHTING & ENERGY SAVING DEVICES

1 Dramatic Energy & Cost Savings

ENSA LED Lighting can consume up to 70% less energy than conventional high intensity discharge (HID), metal-halide or halogen lamps.

LED lights have a rated operating lifespan far higher than that of their HID counterparts. Reductions in power consumption and replacement lamps can save you thousands annually.

2 The Light of the Future

LED technology is the future of lighting. Unlike traditional HID lamps, there is no warm up or cool down phase. LED lights reach maximum intensity immediately after being switched on. LED lights are also more robust.

They are resistant to shock and vibration and they do away with the audible buzzing noises, light flickering and ambient heat generated by conventional lighting.

3 Environmentally Friendly Lighting

The reduction in energy consumption offered by LED lighting means that less carbon dioxide is released into the atmosphere. Unlike fluorescent tubes and compact fluorescent lamps, LED lights contain no mercury.

This means they can be disposed of easily and safely. They also do not emit any infrared or ultraviolet radiation.

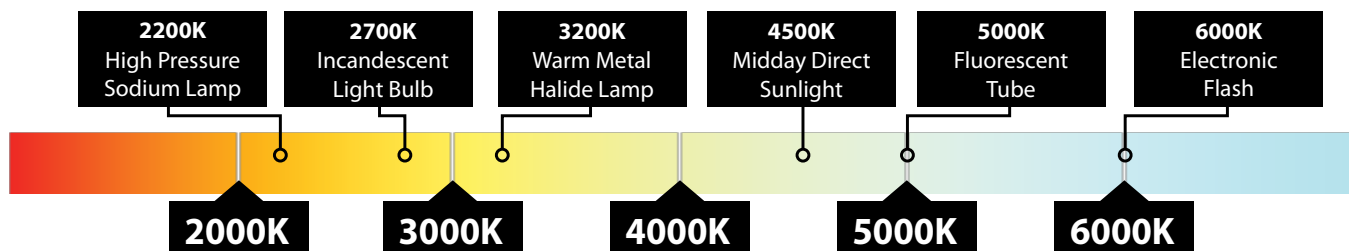
4 Energy Saving Scheme Accredited

We have experience in large installations and are an Accredited Certificate Provider (ACP) under the NSW Government Energy Saving Scheme (ESS). This means we can offer incentives along with our ESS approved products to help you save on your electricity bill and make your workplace more efficient.

Ask us about planning your energy efficient lighting upgrade and how we can improve your return on investment.

5 Defining LED Colour Temperature

The ENSA LED lighting range is available in a number of colour temperatures to suit your needs. Below is a reference scale charting existing light sources and their colour temperature. Use this chart as an approximate guide when selecting from our LED lighting range.





ENSA 150W LED High Bay Light

Part No: LEDHB150W

The LEDHB150W (shown with 120° reflector) is a high performance LED lamp designed to replace metal-halide, gas discharge and halogen high bay lamps. It is ideal for ceilings up to 8m in height and is appropriate for use in retail spaces, general lighting, assembly lines and more.

- 11500 Lumens Light Output
- Efficient Aluminium Heatsink
- Natural White Colour Temperature
- Includes Mounting Hook & Safety Cable
- IP54 Ingress Protection Rating
- Digital Dimming Control Available on Special Request

4500K

* LEDHB150W comes standard with 90° aluminium reflector unless specified. See other reflectors below.



ENSA 200W LED High Bay Light

Part No: LEDHB200W

The LEDHB200W (shown with 90° reflector) is a high performance LED lamp designed to replace metal-halide, gas discharge and halogen high bay lamps. It is ideal for ceilings up to 12m in height and is appropriate for use in large retail spaces, warehouses, factories and more.

- 16000 Lumens Light Output
- Efficient Aluminium Heatsink
- Natural White Colour Temperature
- Includes Mounting Hook & Safety Cable
- IP54 Ingress Protection Rating
- Digital Dimming Control Available on Special Request

4500K

* LEDHB200W comes standard with 90° aluminium reflector unless specified. See other reflectors below.



ENSA 300W LED High Bay Light

Part No: LEDHB300W

The LEDHB300W (shown with 45° reflector) is a high performance LED lamp designed to replace metal-halide, gas discharge and halogen high bay lamps. It is ideal for ceilings up to and beyond 12m in height and is appropriate for use in large retail spaces, warehouses, factories, manufacturing facilities, indoor sports facilities and more.

- 26000 Lumens Light Output
- Efficient Aluminium Heatsink
- Natural White Colour Temperature
- Includes Mounting Hook & Safety Cable
- IP54 Ingress Protection Rating
- Digital Dimming Control Available on Special Request

4500K

* LEDHB300W comes standard with 90° aluminium reflector unless specified. See other reflectors below.



ENSA 120° Aluminium Reflector

Part No: LEDHBRF120

- Ceiling heights 4 - 6m
- Assembly lines, display lighting, general lighting
- Ø: 500mm x H: 150mm



ENSA 90° Aluminium Reflector

Part No: LEDHBRF90

- Ceiling heights 6 - 8m
- Retail spaces, manufacturing, warehouses
- Ø: 500mm x H: 150mm



ENSA 45° Aluminium or Polycarb Reflector

Part No: LEDHBRF45 / LEDHBRF45P

- Ceiling heights 8 - 12m
- Factories, large retail spaces, halls, sports facilities, large warehouses
- Ø: 420mm x H: 270mm

ENSA LED FLOOD LIGHTING FOR INDUSTRY

The ENSA LED Flood Lighting for Industry range is an Australian assembled line of high quality LED flood lights purpose-built for commercial and industrial applications. These flood lights are designed to operate for longer hours, have greater light output and can withstand a variety weather conditions.

Cooler and warmer colour temperatures and infrared LED configurations are also available with our LED Flood Light Pro range by special request. Contact RhinoCo Technology for more details on colour temperature availability.

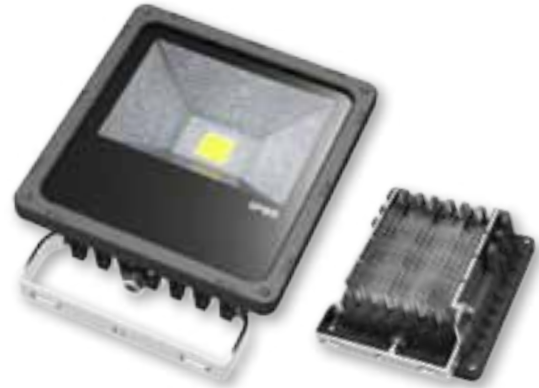
ENSA 20W LED Flood Light Pro

Part No: LEDFLP20W45K

Features a light weight construction of aluminium and UV stabilised plastic. The housing is built for outdoor use with a waterproof body and toughened glass window. Direct driver contact to the heatsink also means that the flood light will be brighter for longer.

4500K

- 20W Power Consumption
- 1700 Lumens Light Output
- 120° Beam Angle
- >0.9 Power Factor
- 85-265VAC Input Voltage
- Natural White Colour Temperature
- IP65 Ingress Protection Rating
- Dimensions (mm): 166 x 201 x 77



ENSA 30W LED Flood Light Pro

Part No: LEDFLP30W45K

Features a light weight construction of aluminium and UV stabilised plastic. The housing is built for outdoor use with a waterproof body and toughened glass window. Direct driver contact to the heatsink also means that the flood light will be brighter for longer.

4500K

- 30W Power Consumption
- 2600 Lumens Light Output
- 120° Beam Angle
- >0.9 Power Factor
- 85-265VAC Input Voltage
- Natural White Colour Temperature
- IP65 Ingress Protection Rating
- Dimensions (mm): 178 x 215 x 81



ENSA 50W LED Flood Light Pro

Part No: LEDFLP50W45K

Features a light weight construction of aluminium and UV stabilised plastic. The housing is built for outdoor use with a waterproof body and toughened glass window. Direct driver contact to the heatsink also means that the flood light will be brighter for longer.

4500K

- 50W Power Consumption
- 4300 Lumens Light Output
- 120° Beam Angle
- >0.9 Power Factor
- 85-265VAC Input Voltage
- Natural White Colour Temperature
- IP65 Ingress Protection Rating
- Dimensions (mm): 194 x 253 x 95



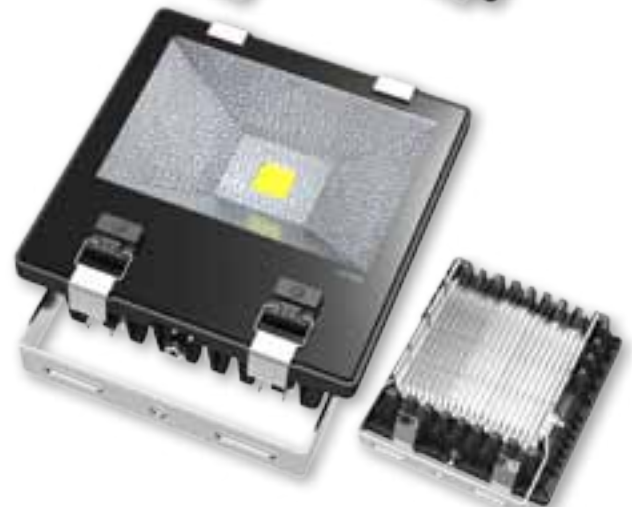
ENSA 70W LED Flood Light Pro

Part No: LEDFLP70W45K

Features a light weight construction of aluminium and UV stabilised plastic. The housing is built for outdoor use with a waterproof body and toughened glass window. Direct driver contact to the heatsink also means that the flood light will be brighter for longer.

4500K

- 70W Power Consumption
- 6000 Lumens Light Output
- 120° Beam Angle
- >0.9 Power Factor
- 85-265VAC Input Voltage
- Natural White Colour Temperature
- IP65 Ingress Protection Rating
- Dimensions (mm): 250 x 259 x 116



ENSA 100W LED Flood Light Pro**Part No: LEDFLP100W45K**

Features a light weight construction of aluminium and UV stabilised plastic. The housing is built for outdoor use with a waterproof body and toughened glass window. Direct driver contact to the heatsink also means that the flood light will be brighter for longer.

4500K

- 100W Power Consumption
- 8000 Lumens Light Output
- 120° Beam Angle
- >0.9 Power Factor
- 85-265VAC Input Voltage
- Natural White Colour Temperature
- IP65 Ingress Protection Rating
- Dimensions (mm): 250 x 309 x 116

ENSA 150W LED Flood Light Pro**Part No: LEDFLP150W45K**

Features a light weight construction of aluminium and UV stabilised plastic. The housing is built for outdoor use with a waterproof body and toughened glass window. Direct driver contact to the heatsink also means that the flood light will be brighter for longer.

4500K

- 150W Power Consumption
- 12750 Lumens Light Output
- 120° Beam Angle
- >0.9 Power Factor
- 85-265VAC Input Voltage
- Natural White Colour Temperature
- IP65 Ingress Protection Rating
- Dimensions (mm): 310 x 375 x 187

ENSA 200W LED Flood Light Pro**Part No: LEDFLP200W45K**

Features a light weight construction of aluminium and UV stabilised plastic. The housing is built for outdoor use with a waterproof body and toughened glass window. Direct driver contact to the heatsink also means that the flood light will be brighter for longer.

4500K

- 200W Power Consumption
- 17000 Lumens Light Output
- 120° Beam Angle
- >0.9 Power Factor
- 85-265VAC Input Voltage
- Natural White Colour Temperature
- IP65 Ingress Protection Rating
- Dimensions (mm): 340 x 395 x 187

ENSA 400W & 600W LED Flood Light Pro**Part No: LEDFLP400W45K / LEDFLP600W45K****LEDFLP400W45K Features:**

- 400W Power Consumption
- 34000 Lumens Light Output

LEDFLP600W45K Features:

- 600W Power Consumption
- 50000 Lumens Light Output

Common Features:

- Innovative and Efficient Heatsink Design
- 62° Beam Angle
- >0.9 Power Factor
- 85-265VAC Input Voltage
- Natural White Colour Temperature
- IP65 Ingress Protection Rating
- Dimensions (mm): 467 x 266 / Ø367

4500K**Available on
Special Request**

ENSA LED FLOOD LIGHTING FOR DOMESTIC

LED floodlights and tunnel lights are an efficient alternative to traditional HPS (high-pressure sodium), metal-halide and halogen floodlights. LED floodlights can save you 50-70% on your current outdoor lighting costs. Each light sports a rugged aluminium chassis that is sealed for outdoor use.

ENSA 20W LED Flood Light**Part No: LEDFL20W45K/65K**

- 1300lm Light Output
- 120° Beam Angle
- IP65 Rating
- In Natural & Cool White
- 85-265V AC (50-60Hz)
- 180 x 140 x 135mm

4500K**6500K****Available in Black****ENSA 30W LED Flood Light****Part No: LEDFL30W45K/65K**

- 2000lm Light Output
- 120° Beam Angle
- IP65 Rating
- In Natural & Cool White
- 85-265V AC (50-60Hz)
- 224 x 185 x 160mm

4500K**6500K****Available in Black****ENSA 50W LED Flood Light****Part No: LEDFL50W45K/65K**

- 3300lm Light Output
- 120° Beam Angle
- IP65 Rating
- In Natural & Cool White
- 85-265V AC (50-60Hz)
- 285 x 234 x 170mm

4500K**6500K****Available in Black****ENSA 70W LED Flood Light****Part No: LEDFL70W45K/65K**

- 4600lm Light Output
- 120° Beam Angle
- IP65 Rating
- In Natural & Cool White
- 85-265V AC (50-60Hz)
- 285 x 360 x 183mm

4500K**6500K****Available in Black****ENSA 100W LED Flood Light****Part No: LEDFL100W45K/65K**

- 7000lm Light Output
- 120° Beam Angle
- IP65 Rating
- In Natural & Cool White
- 85-265V AC (50-60Hz)
- 290 x 360 x 260mm

4500K**6500K****Available in Black****ENSA 150W LED Flood Light****Part No: LEDFL150W45K/65K**

- 9800lm Light Output
- 120° Beam Angle
- IP65 Rating
- In Natural & Cool White
- 85-265V AC (50-60Hz)
- 380 x 280 x 260mm

4500K**6500K****Available in Black**

ENSA LED TUBE LIGHTING

As a replacement for fluorescent tubes, energy efficient LED tubes can reduce your power bill by at least 50%. They can be easily retrofitted into existing installations. They are ideal for use in offices, stores, factories, warehouses, public transport, supermarkets, shop displays, and exhibition lighting.

T8 LED Tube Lighting

Part No: LEDTU10W / LEDTU20W

The LED sensor tube comes in standard tube sizes to be retrofitted into existing installations. This includes magnetic and electronic ballast configurations.

- Available in 2ft (~600mm) and 4ft (1200mm) standard sizes.
- 800 (2ft) or 1600 (4ft) Lumens Light Output
- Translucent Frosted Diffuser for Soft Light
- Available in Cool White Colour Temperature
- Easily Retrofittable Design
- Does Not Contain Mercury or Emit UV Radiation

5000K



ENSA LED SENSOR TUBE LIGHTING

The inclusion of the infrared sensor means that the light dims when there's no movement in a room. When movement is detected, the tube light brightens. The sensor tubes use less power when dimmed which contributes to your electricity savings. This makes the sensor light ideal for underground/storey car parks, underpasses and other areas with intermittent movement.

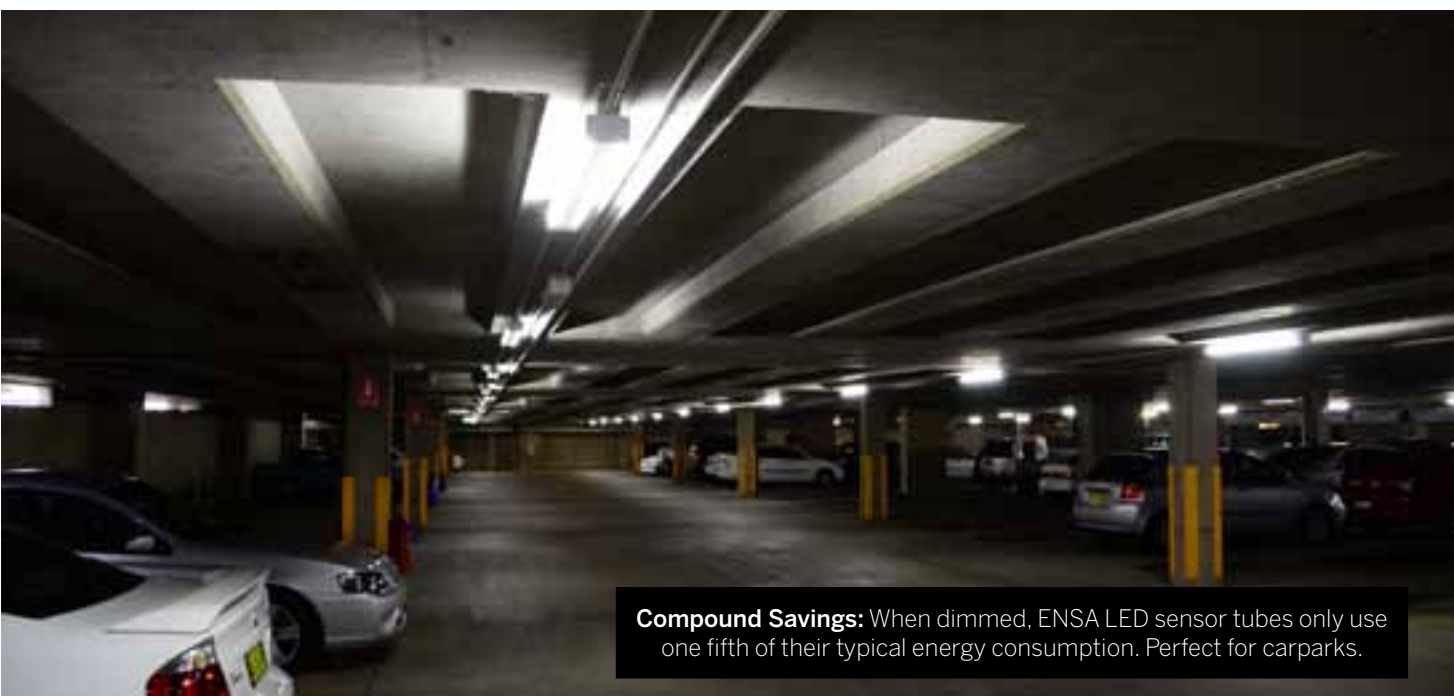
ENSA T8 LED PIR Sensor Tube Lighting

Part No: LEDTU9WS3/10 • LEDTU19WS3/10

The LED sensor tube comes in standard tube sizes to be retrofitted into existing installations. This includes magnetic and electronic ballast configurations.

- Available in 2ft (~600mm) and 4ft (1200mm) standard sizes.
- 630(2ft) or 1350(4ft) Lumens Light Output
- PIR Sensor Controlled Light - 4m 120° Detection Arc
- Dims when No Movement and Brightens Upon Movement
- Available in 3 and 10 Minute ON-Timer
- Translucent Frosted Diffuser for Soft Light
- Available in Cool White Colour Temperature
- Ideal for Carparks, Underpasses and Areas with Low People Traffic
- Does Not Contain Mercury or Emit UV Radiation

5000K



Compound Savings: When dimmed, ENSA LED sensor tubes only use one fifth of their typical energy consumption. Perfect for carparks.

ENSA LED DOWNLIGHTS

The newest addition to the LED Lighting range, ENSA LED downlights are an energy efficient indoor lighting solution with a number of applications. The high quality product housing and downlight surround is designed for versatility and can be adjusted to be a spotlight. This is perfect for point of sale lighting, retail product displays and where ever energy efficient key lighting is needed.

ENSA Round LED Downlight Range

Part No: See Below

Each product in the ENSA round LED downlight range features high quality Samsung™ LEDs for superior light output; an adjustable inner housing to change lamp direction; durable power supply; and a stylish white downlight surround with mounting clips.

LEDDL20W3KR / 45KR Features:

- 1600 Lumens Light Output at 60° Beam Angle
- 20W Power Consumption / 48pcs Samsung LEDs
- Adjustable Housing - Tilts and Rotates
- 90-260VAC Input Voltage
- Available in White Housing
- Colour Temperatures Available: Natural White (4500K) and Warm White (3000K)
- Hole Cut Size: Ø165mm

3000K

4500K

LEDDL28W3KR / 45KR Features:

- 2300 Lumens Light Output at 60° Beam Angle
- 28W Power Consumption / 66pcs Samsung LEDs
- Adjustable Housing - Tilts and Rotates
- 90-260VAC Input Voltage
- Available in White Housing
- Colour Temperatures Available: Natural White (4500K) and Warm White (3000K)
- Hole Cut Size: Ø165mm

3000K

4500K

LEDDL38W3KR / 45KR Features:

- 3100 Lumens Light Output at 60° Beam Angle
- 38W Power Consumption / 90pcs Samsung LEDs
- Adjustable Housing - Tilts and Rotates
- 90-260VAC Input Voltage
- Available in White Housing
- Colour Temperatures Available: Natural White (4500K) and Warm White (3000K)
- Hole Cut Size: Ø165mm

3000K

4500K



ENSA Rectangular LED Downlight Range

Part No: See Below

Each product in the ENSA rectangular LED downlight range features high quality Samsung™ LEDs for superior light output; an adjustable inner housing to change lamp direction; durable power supply; and a stylish white downlight surround with mounting clips.

LEDDL20W3KS / 45KS Features:

- 1600 Lumens Light Output with 120° Beam Angle
- 20W Power Consumption / 57pcs Samsung LEDs
- Adjustable Housing - Single Direction 60° Tilt
- 90-260VAC Input Voltage
- Available in White Housing
- Colour Temperatures Available: Natural White (4500K) and Warm White (3000K)
- Hole Cut Size: 227 x 130mm

3000K

4500K

LEDDL48W3KS / 45KS Features:

- 3800 Lumens Light Output with 120° Beam Angle
- 48W Power Consumption / 132pcs Samsung LEDs
- Adjustable Housing - Single Direction 60° Tilt
- 90-260VAC Input Voltage
- Available in White Housing
- Colour Temperatures Available: Natural White (4500K) and Warm White (3000K)
- Hole Cut Size: 227 x 130mm

3000K

4500K



ENSA LED MR16 DOWNLIGHTS

The ENSA MR16 (multi-faceted 16) Downlight range are designed to retrofit with your existing fittings, save on your electricity bill and be environmentally friendly. They are ideal for use in homes, offices, stores, factories, shop displays and more. They are available in a number of different colour temperatures, 12VDC and 240VAC models, and bi-pin (GU5.3) and bayonet (GU10) fixtures.



ENSA 4W GU10 Downlights

Part No: LEDGL4WGU3K45D / 6K45D

Power Consumption: 4W
Lamp Flux: 320lm
Colour Temp: 2700K / 5000K
Beam Angle: 45°
Base Fixture: GU10
Input Voltage: 85-265 AC/DC



3000K

6000K



ENSA 4W GU5.3 Downlights

Part No: LEDGL4WMR3K45D / 6K45D

Power Consumption: 4W
Lamp Flux: 320lm
Colour Temp: 2700K / 6000K
Beam Angle: 45°
Base Fixture: GU5.3
Input Voltage: 12V AC/DC



3000K

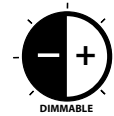
6000K



ENSA 7W GU5.3 Downlights

Part No: LEDGL7WMR3K40D / 5K40D

Power Consumption: 7W
Lamp Flux: 450lm
Colour Temp: 3000K / 5500K
Beam Angle: 40°
Base Fixture: GU5.3
Input Voltage: 12V AC/DC



3000K

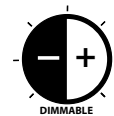
5500K



ENSA 9W GU10 Downlights

Part No: LEDGL9WGU27K60D / 3K60D / 5K60D

Power Consumption: 9W
Lamp Flux: 550lm
Colour Temp: 2700K / 3000K / 5000K
Beam Angle: 60°
Base Fixture: GU10
Input Voltage: 100-240V AC 50-60Hz



2700K

3000K

5000K



ENSA 9W GU5.3 Downlights

Part No: LEDGL9WMR27K60D / 3K60D / 5K60D

Power Consumption: 9W
Lamp Flux: 550lm
Colour Temp: 2700K / 3000K / 5000K
Beam Angle: 60°
Base Fixture: GU5.3
Input Voltage: 12V AC/DC



2700K

3000K

5000K



Mounting Kit for MR16 LED Downlights w/ GU10 Base

Part No: LEDGUKIT

- White, gloss finish, GU10 downlight mounting kit.
- 45° Tilt Adjustable White Downlight Gimble Casing
- **Available Separately: LEDGIMBLE**
- 1x GU10 Lamp Holder with mounting Bracket & Cable - **Available Separately: LEDGULH**
- 1x Insulated Power Cable
- Hole Cut Size: Ø92mm

SUPPORTS



Mounting Kit for MR16 LED Downlights w/ GU5.3 Base

Part No: LEDMRKIT

- White, gloss finish, GU5.3 downlight mounting kit.
- 45° Tilt Adjustable White Downlight Gimble Casing
- **Available Separately: LEDGIMBLE**
- 1x Low Voltage Transformer
- **Available Separately: LEDTRANS**
- 1x Insulated Power Cable & GU5.3 Connector Cable
- Hole Cut Size: Ø92mm

SUPPORTS



ENSA LED STREET LIGHTING

LED Street Lighting is one of the most widely applicable solutions for achieving energy efficiency. Not only do LED street lights consume less energy than traditional HID lamps but they turn on instantly without a warm-up phase and have a much longer product life. Each ENSA LED Street Light comes with a Ø62mm bracket for mounting.



ENSA 168W LED Street Light

Part No: LEDSL168W

- 14000 Lumens Light Output
- Natural or Cool Colour Temp.
- Batwing Light Distribution
- IP65 Rating
- 140° Beam Angle
- 470 x 320 x 150 (mm)

4500K 6000K

Available on Special Request



ENSA 140W LED Street Light

Part No: LEDSL140W

- 12000 Lumens Light Output
- Natural or Cool Colour Temp.
- Batwing Light Distribution
- IP65 Rating
- 140° Beam Angle
- 720 x 330 x 140 (mm)

4500K 6000K

Available on Special Request



ENSA 160W LED Street Light

Part No: LEDSL160W2

- 13600 Lumens Light Output
- Natural or Cool Colour Temp.
- Batwing Light Distribution
- IP65 Rating
- 140° Beam Angle
- 950 x 340 x 190 (mm)

4500K 6000K

Available on Special Request



ENSA 160W LED Street Light

Part No: LEDSL160W

- 13600 Lumens Light Output
- Natural or Cool Colour Temp.
- Batwing Light Distribution
- IP65 Rating
- 140° Beam Angle
- 810 x 340 x 190 (mm)

4500K 6000K

Available on Special Request

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 it's 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.

9.6 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.

9.7 The company may elect to accept return of new and unused goods from customers, at its discretion. In this circumstance the company reserves the right to charge a restocking fee, as it sees fit.

10. 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.

11. TITLE TO GOODS

11.1 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:

- a) legal title to the Goods will remain with The Company;
- b) the risk in the Goods will pass to the purchaser on delivery to the purchaser or its agent;
- c) the relationship between The Company and the purchaser will be fiduciary;

11.2 The Purchaser will:

- a) hold the Goods as bailee for The Company;
- b) keep the goods separate from other goods; and
- c) label the goods so that they are identifiable as the goods of The Company;

11.3 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:

- a) be held in a separate account in trust for the vendor;
- b) not be mingled with other money; and
- c) not be placed into an overdrawn account

11.4 The purchaser is not an agent of The Company in any sale of the Goods by the purchaser.

11.5 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.

12. 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.

13. 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.

14. 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.

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.



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1

Find the Latest Brochures & Product Info

- Our website is the most dynamic and changing source of information on our range.
- Find the latest brochures, catalogues, sample footage, product demonstrations, manuals and quick start guides at any time of day using our website.

2

Sign Up for Exclusive Email Specials

- RhinoCo sends monthly email specials to subscribed customers, highlighting new products and special offers! RhinoCo also sends weekly, 24 and 48 hour specials with the best value limited-time offers!
- Contact sales@rhino.com.au to start receiving these incredible offers.

3

Apply for a Trade Login

- Take full advantage of the RhinoCo website by applying for a trade login.
- Order online, view pricing and see the latest specials through your trade login!
- Apply today by visiting our website!



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Fax: (+44) 0845 644 5431
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