AUTOMATED DIGITAL CONCEPTS

PRODUCT LIST

This list has been produced to show the type and range of products available, it not an indication of stock or pricing levels.

This list serves to show you the customer what is available and is not a full representation of products or manufacturers at our disposal.

If you require information or pricing fill out the online "contact form" or call.

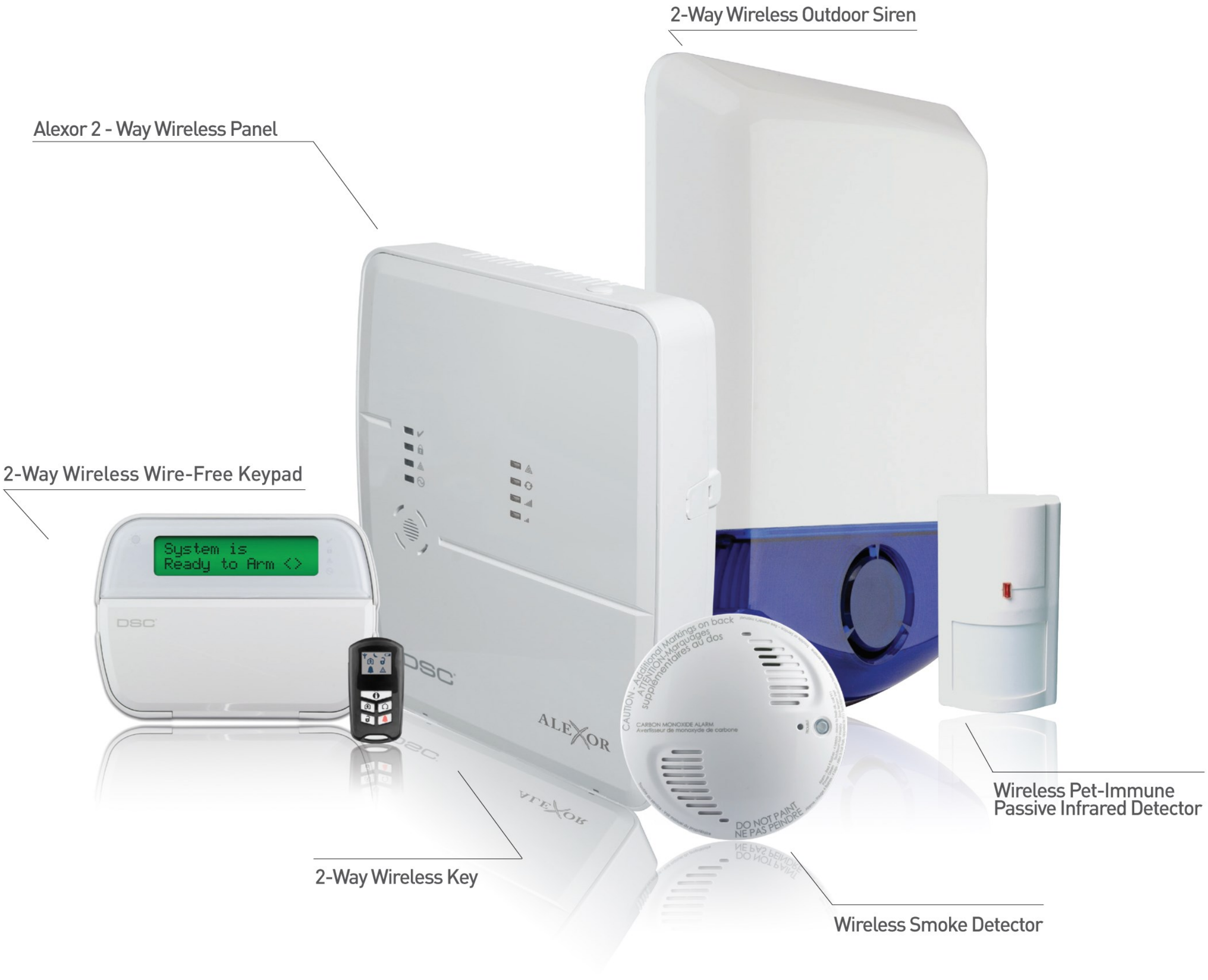
For sales, service and installation of;
Security alarm systems (local or monitored).
Closed Circuit TV systems.
Windows PC based systems and peripherals.
VTiger CRM partner (coming soon)
Access Control and Intercom systems.
GPS Tracking devices

U4 / 2800 Logan Rd. Underwood 4119
PO BOX 291, CORIINDA QLD 4075
www.adcalarms.com.au
admin@adcalarms.com.au

PRODUCT LIST

DSC

A Tyco International Company


2-Way Wireless Outdoor Siren
Alexor 2 - Way Wireless Panel
2-Way Wireless Wire-Free Keypad
System is Ready to Arm <>
Wireless Pet-Immune Passive Infrared Detector
2-Way Wireless Key
Wireless Smoke Detector

WIRELESS SECURITY

DSC

PANELS, KEYPADS & MODULES

Wireless Panel
ALEXOR

THE POWER OF SPEED

Greater Protection. Complete Security.

How would you like to offer your customers a security system that provides complete security via a host of devices, including keypads, sirens, detectors and wireless keys, and also supports GSM and IP communications – all of it wirelessly? DSC's 2-Way Wireless Security Suite delivers just that….and so much more.

The Power of Speed with Wireless Installation
Less install time + more installs = more revenue

The Alexor Wireless Panel is the center component of DSC's 2-Way Wireless Security Suite. Because it operates completely wirelessly, installers have fewer holes to drill and fewer wires to pull. The system – with its full complement of exclusively compatible wireless accessories, detectors and keypads – takes far less time to install than traditional wired or hybrid systems. Less installation time means more installations completed throughout each day and ultimately more installation and monitoring revenue to the installer. Homeowners also benefit. Wireless installation means less waiting around and minimal compromise to the home structure.

Security Without Compromise

Alexor is a wireless control panel, the virtual "brain" of the security suite. Because it is a distributed system, the panel is not attached to the keypad physically, but rather wirelessly. Designed for flexible, secure installation locations within the home, as long as there is access to AC power, Alexor operates via up to four wire-free keypads (the WT5500). If the system changes its armed state or a wireless device is tampered with, Alexor will immediately be signaled and the appropriate transmission will instantly be transmitted to the monitoring station. And because the signals between Alexor Wireless Panel and its wireless peripherals are fully encrypted,

PRODUCT LIST

ALEXOR

communication between all devices is exceptionally secure. The Alexor offers all the reliability of traditional wired/hybrid control panels but with all the convenience that wireless delivers.

Additional Back-up Features via GSM/GPRS and IP Communication Streams

DSC has designed two back-up communicators specifically for Alexor. The TL265GS Internet and GSM/GPRS Dual-Path Alarm Communicator communicates via the IP or GSM/GPRS channels, and the GS2065 GSM/GPRS Wireless Alarm Communicator through the GSM/GPRS channel. Both provide additional back-up (to the traditional phone line communication) alarm communication methods. If the phone line is tampered with, Alexor will instantly switch over to one of the back-up communication streams for its alarm signals. These options are also ideal for homes that rely on either Voice Over IP (VoIP) or mobile phones for their home phone service. With a practically plug-in and play connection to the Alexor, the communicators conveniently utilize the existing Internet connection and/or the GPRS data channel of the GSM network (depending on which communicator is chosen) to ensure high speed, reliable and secure alarm communications.

Wireless Device Enrollment & Template Programming Further Simplify Installation

DSC's installation processes and programming help to further reduce the installer's time at each job. The wireless device enrollment process ensures that installers no longer need to manually program serial numbers or wireless attributes. Instead, a series of enrollment screens prompt installers to confirm Electronic Serial Numbers (ESN), zone numbers and zone type. Template programming allows installers to quickly program the functions required for basic operation by entering a 4-digit code. Code prompts exist for pre-defined zone definitions, reporting code formats, communication call directions, and DLS setup.

Product Features

- Supports 32 wireless zones and 16 wireless keys (without using a zone slot)
- 16 user codes, 1 master code and 1 maintenance code
- Wireless Quick Enroll
- Template programming
- Account Code Error Checking (patent pending)
- Alternate communications via GSM/GPRS and IP
- Local and remote downloading
- 500 event buffer
- 4 communication phone numbers
- 2 Input/Output terminals
- Front and back tamper
- Onboard Siren at 85dB
- False alarm reduction features (CP-01)

Compatibility & Supported Products

- WT5500 2-Way Wire-Free Keypads (up to 4)
- WT4901 2-Way Indoor Wireless Sirens or WT4911 Outdoor Sirens or a combination of both (up to 4 in total)
- WT4989 2-Way Wireless Key
- WS4913 Wireless Carbon Monoxide Sensor
- WS4985 Wireless Flood Sensor
- GS2065 GSM/GPRS Communicator
- TL265GS GSM/GPRS & IP Dual-Path Communicator
- All DSC 433 MHz wireless devices

Specifications

Dimensions	8.5" x 10.5" x 2.4" (216mm × 267mm × 61 mm)
Weight	4.1 lbs (1.83 kg)
Current Draw	350 mA (Maximum)
Power Supply	16.5 VAC/20 VA @ 50/60 Hz
Aux Output	12.0-12.5 VDC/200 mA
Battery Backup	12 VDC @ 2.3AH (24 hr Backup)
Wireless Range	984ft/300m Nominal Open Air
Operating Environment	32° to 120° F (0° to 49° C)
Relative Humidity	0% to 93%

THE POWER OF SPEED

DSC

For product information
www.dsc.com

Product specifications and availability subject to change without notice. Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.
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PRODUCT LIST

DSC

A Tyco International Company

DSC

Wireless

ALEXOR 2-Way Wireless Panel PC9155

- 32 wireless zones, 16 wireless keys (without using a zone slot)
- Template programming
- 16 user codes, 1 master code and 1 maintenance code
- Account code error checking (patent pending)
- Alternate communications via GSM/GPRS and IP
- Onboard siren at 85dB
- 2 Input/Output terminals
- 200mA Aux Output
- 500 event buffer
- Wall and case tamper
- 24Hr Battery backup

COMING SOON!

- Independent opening and closing door chime control
- Seamless quick enroll and placement testing

Approval Listings: FCC/IC, UL/ULC, SIA CP-01, CSFM

2-Way Wireless Wire-Free Keypad WT5500

- 2x16 full message display
- Intuitive clock programming
- Multiple door chime
- Ambient light sensor
- Display and keymat backlighting
- Outdoor temperature display
- Wall and Deskstand* mount
- † Proximity Arm/Disarm (WT5500P Only)
- Installer's programming
- Multi-Language support
- 5 programmable function keys
- 3 one-touch emergency keys
- Tamper switch
- Nominal battery life - 3 years
- Compatible with ALEXOR

COMING SOON!

- Visual armed status during sleep mode

*WT5500D or WT5500DMK

Approval Listings: FCC/IC, UL/ULC, SIA CP-01, CSFM

System is
Ready to Arm <>
†

PRODUCT LIST

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Wireless

2-Way Wireless Key WT4989

- Backlit ICON display
- Built-in buzzer for audible feedback
- Key tactile feedback
- 4 one touch function keys, programmable for up to 6 functions
- Status button indication
- Wireless key keylock
- Active alarm indication
- Water resistant
- Multifunction clip
- Nominal Battery life - 3 years
- Compatible with ALEXOR

Approval Listings: FCC/IC, UL/ULC, SIA CP-01

1-Button Personal Panic WS4938

- Activation via 1 large, easy-to-use button
- Full 2-second delay on panic button
- Integrated LED to indicate signal transmission
- Neck strap and multifunction belt clip included
- Reliable 433 MHz technology
- Water resistant
- Long-life lithium batteries included
- Supervised

Approval Listings: FCC/IC, UL/ULC

2-Button Wireless Key WS4949

- 2-button, 3-function wireless key
- Activation via 2 large, scratch-resistant buttons
- Full 3-second delay on panic function
- Integrated LED to indicate signal transmission
- Reliable 433 MHz technology
- Long-life lithium batteries included
- Water resistant

Approval Listings: FCC/IC

4-Button Wireless Key WS4939

- Durable, scratch-resistant buttons
- 4 programmable function keys
- Long-life lithium batteries included
- Full 3-second delay on panic alarm to reduce false alarms
- Multifunction belt clip included
- Reliable 433 MHz technology
- Optional generic rubber insert included
- Water resistant

Approval Listings: FCC/IC, UL/ULC, SIA CP-01

4-Button Wireless With Built-In Flashlight WS4969

- Built-in, high-intensity LED flashlight
- Durable, scratch-resistant buttons
- 4 programmable function keys
- Long-life lithium batteries included
- Full 3-second delay on emergency alarm to reduce false alarms
- Reliable 433 MHz technology
- Water resistant

Approval Listings: FCC/IC

5-Button Wireless Key WS4959

- 12 programmable function keys
- Integrated tri-color LED to indicate signal transmission and security modes
- 4 durable, scratch-resistant buttons and center toggle button
- Multifunction belt clip included
- Reliable 433 MHz technology
- Full 3-second delay on panic function
- Long-life lithium batteries included
- Water resistant

Approval Listings: FCC/IC

PRODUCT LIST

DSC®

A Tyco International Company

Wireless Photoelectric Smoke Detector WS4926

- Automatic drift compensation
- Built-in 85 dB horn
- Local test button
- Low profile design
- High/Low sensitivity reporting
- Low battery indication
- Easy-maintenance removable smoke chamber
- Non-contact sensitivity reading with handheld test meter (FSD-100)
- Long-life lithium batteries included
- UL/ULC listed for residential applications

Approval Listings: FCC/IC, UL/ULC, CSFM

2-Way Wireless Indoor Siren WT4901

- Siren Output – 85dB
- Siren sounds for alarms, door chimes, entry/exit delay and troubles
- Onboard test button
- Transmits RF status, low battery and tamper condition
- Front and back tamper detection
- Nominal battery life - 2 years
- Compatible with ALEXOR

Approval Listings: FCC/IC, UL/ULC, SIA CP-01, CSFM

2-Way Wireless Outdoor Siren WT4911

- Siren Output – 100dB
- Siren sounds for alarms and squawks
- Strobe light functionality for visual indication
- Provides temperature to WT5500 Wire-free keypad
- Remote test capability
- Transmits RF status, low battery and tamper condition
- Large print area for company logo
- Front and back tamper detection
- IP34 rating
- Nominal battery life - 3 years
- Compatible with ALEXOR

Approval Listings: FCC/IC, UL, SIA CP-01

Wireless Flood Detector WS4985

The wireless flood detector is based on the WS4945 wireless door/window contact that is connected to a water probe through a 6 foot-wire. The product is enrolled as a flood zone detector with the following DSC® control panels: ALEXOR, PowerSeries 9047, PC1616, PC1832, PC1864, PC4020, and is fully supervised.

NEW PRODUCT!

- Built-in reed switch
- Normally closed external contact input
- 1 lithium battery included
- Case and wall tamper
- End-of-line resistor
- 4 year battery life
- Compatible with ALEXOR

Approval Listings: FCC/IC

PRODUCT LIST

A Tyco International Company

Addressable

Addressable Passive Infrared Detector AMB-300

- Based on the Bravo®3 hardwire motion detector
- Patented MLSP (Multi-Level Signal Processing)
- Interchangeable lenses: wall-to-wall lens (standard), curtain lens, pet-immune lens and corridor lens
- Built-in tamper switch

Approval Listings: FCC/IC, UL/ULC

Addressable Pet-Immune Passive Infrared Detector AMB-600

- Based on the Bravo®6 hardwire motion detector
- Patented MLSP (Multi-Level Signal Processing)
- Provides pet immunity up to 85 lbs (39 kg)
- Built-in tamper switch

Approval Listings: FCC/IC, UL/ULC

Addressable Ceiling-Mount Passive Infrared Detector AMB-500

- Based on the Bravo®5 hardwire motion detector
- Coverage diameter based on mounting height
- Built-in tamper switch

Approval Listings: FCC/IC, UL/ULC

Addressable Glassbreak Detector AMA-100

- Based on the Acuity® hardwire glassbreak detector
- Detects all types of breaking glass: plate, laminated, safety and tempered
- Can be tested using the glassbreak simulator (AFT-100)
- Built-in tamper switch

Approval Listings: FCC/IC, UL/ULC

FSB-210 Series Addressable Photoelectric Smoke Detectors FSB-210B (Without Heat Sensor) FSB-210BT (With Heat Sensor) – Fixed heat with rate of rise (non UL listed)

- Automatic drift compensation
- Easy-maintenance removable smoke chamber
- Non-contact sensitivity reading with handheld test meter (FSD-100)
- Self diagnostics

PRODUCT LIST

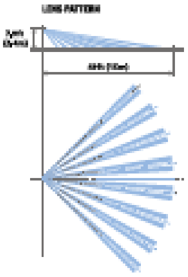
PIR Detector with Pet Immunity LC-100-PI & LC-120-PI

The LC-100-PI (Form A contact) and LC-120-PI (Form C contact) detectors feature intelligent signal analysis for reliable detection, pet immunity up to 55 lbs (25 kg) and a slim design that complements any décor.

- Form "A" or "C" alarm contact and tamper switch
- Digital signal analysis
- Pet immunity up to 55 lbs (25 kg)
- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets
- Advanced ASIC-based electronics
- Compact design for residential installations
- Adjustable variable pulse count
- PIR sensitivity adjustment
- Height installation calibration free
- Available in packages of 6 (LC-100-PI-6PK)
- LC-L1ST bracket available separately

Approval Listings: FCC/IC, UL/ULC

Model	Description	Coverage Pattern
LC-100-PI-6PK	Form 'A' alarm contact & tamper switch	
LC-120-PI	Form 'C' alarm contact & tamper switch	



Ceiling mount bracket

Wall mount bracket

LC-L1ST brackets

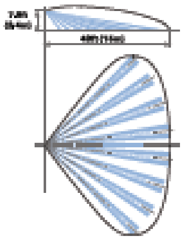
PIR Detector with Pet Immunity LC-103-PIMSK, LC-123-PIMSK, LC-104-PIMW AND LC-124-PIMW

The LC-103-PIMSK, LC-123-PIMSK, LC-104-PIMW and LC-124-PIMW are dual-technology motion detectors that combine passive infrared and microwave detection with pet immunity. LC-103-PIMSK and LC-123-PIMSK also support anti-masking. The anti-masking feature prevents intruders from defeating the detector by covering its field of view.

- Anti-masking (LC-103-PIMSK / LC-123-PIMSK)
- Form "A" or "C" alarm contact and tamper switch
- Digital signal analysis
- Pet immunity up to 55 lbs (25 kg)
- Quad Linear Imaging Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets Microwave detection based on Doppler concept
- Unique microwave motion sensor module with micro-strip patch antenna
- Advanced ASIC-based electronics Height installation calibration free 2-way PIR/microwave sensitivity adjustment
- User-friendly installation with or without swivel-mount bracket (available separately: LC-L1ST)

Approval Listings: FCC/IC, UL/ULC

Model	Description	Coverage Pattern
LC-103-PIMSK-W	Form 'A' 10.525 GHz alarm contact & tamper switch	
LC-104-PIMW-W	Form 'A' 10.525 GHz alarm contact & tamper switch	
LC-123-PIMSK-W	Form 'C' 10.525 GHz alarm contact & tamper switch	
LC-124-PIMW-W	Form 'C' 10.525 GHz alarm contact & tamper switch	



PRODUCT LIST

HD MOBILE DIGITAL VIDEO RECORDER

MAIN FEATURES

- Supports 6 Cameras
- 2 High Definition Camera inputs
- 4 Analog Camera Inputs
- H.264 Video Compression
- Built-in GPS interface for Google Maps
- Support 3/4G Wireless and/or Wi-Fi
- Storage Capacity: One SD Card and One 2.5” HDD
- Support SDHC (up to 32GB), HDD (up to 2TB)
- Hot Swapping Recording Media Support with Key
- Dual Recording with SD Card and Hard Drive
- G-force Sensor 3-Axis Accelerometer Sensor
- Emergency/Panic Recording by Sensor and/or Manual Event Button
- MDVR Status Indication Box
- Panic Stop Indication
- Over Speed Indication
- Multi Resolution Recording/Smooth Reverse Playback/ Various Search Methods
- Quick Acceleration Indication
- External Module for Interface Support
- Remote Controlling using IR or RS-485
- Operation Temperature (Ambient Temp.:-4/140 F, -20/60C)
- OS : Embedded Linux (2.6)
- CE/FCC/E-mark (class B) certificated
- Built in Wi-Fi (B-G)
- Including Super-Cap for unexpected shut down
- Real-Time Video Streaming
- Cold Starting Heater (12/24 Volts)
- 2 Microphone Inputs
- Operating Voltage 9-35 Volts (Surge 60 Volts)

INPUTS /OUTPUTS

- 6 Camera Video Inputs 2-HD 4-Analog
- 2 Channel Microphone Inputs
- 2 Discreet Inputs (Brakes, Turn Signals, Event Button Etc.)
- Indication Box with LEDS and Microphone Input
- Monitor Output with Audio and Video
- GPS Antenna
- Audio / Video Output
- +12Vdc Aux Output
- Ethernet Connection
- 2 USB (2 Front)

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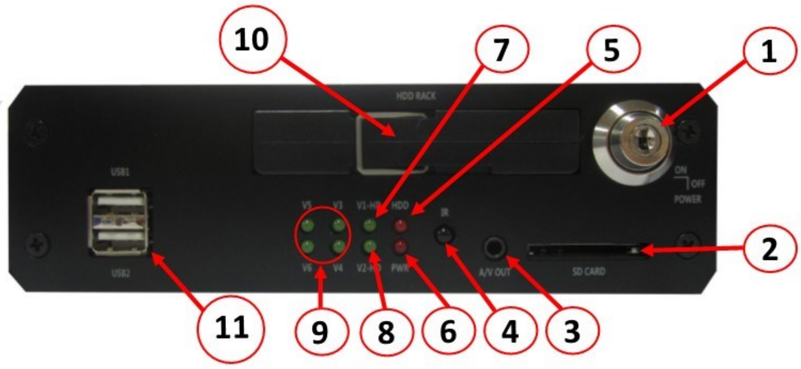
australian transit video solutions

PRODUCT LIST

FRONT HD MOBILE DIGITAL VIDEO RECORDER


10
7
5
1
HDD RACK
USB1
ON
OFF
POWER
V5
V3
V1-HD
HDD
IR
V6
V4
V2-HD
PWR
A/V OUT
SD CARD
USB2
2
11
9
8
6
4
3

1. Lock for Power and Hard Drive
2. SD Card Slot
3. Monitor Jack
4. Infrared Remote Receiver
5. Hard Drive Storage LED
6. Power LED
7. High Definition Camera Two Active LED
8. High Definition Camera One Active LED
9. Analog Cameras Active LED’s
10. Hard Drive Storage Rack
11. Two USB Jacks

Dimensions 6”Width X 2” Height X 7” Depth

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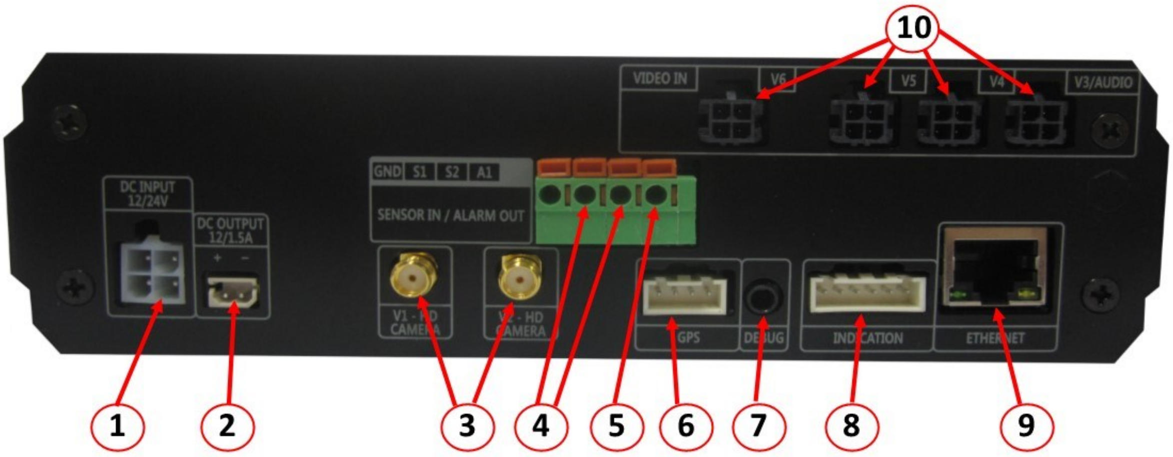
PRODUCT LIST

REAR CONNECTIONS (HD MOBILE DIGITAL VIDEO RECORDER)


10
VIDEO IN
V6
V5
V4
V3/AUDIO
GND
S1
S2
A1
SENSOR IN / ALARM OUT
DC INPUT 12/24V
DC OUTPUT 12/1.5A
+ -
V1 - HD CAMERA
V2 - HD CAMERA
GPS
DEBUG
INDICATION
ETHERNET
1
2
3
4
5
6
7
8
9

1. DC Power Connection
2. 12 Volt Aux Power Connection
3. High Definition Camera Inputs 1 and 2
4. Sensor Inputs 1, 2
5. One Relay Output
6. GPS Connector
7. Debugging Jack
8. Indication Box Connector
9. Ethernet Jack
10. Analog Camera Inputs V3,V4,V5 and V6

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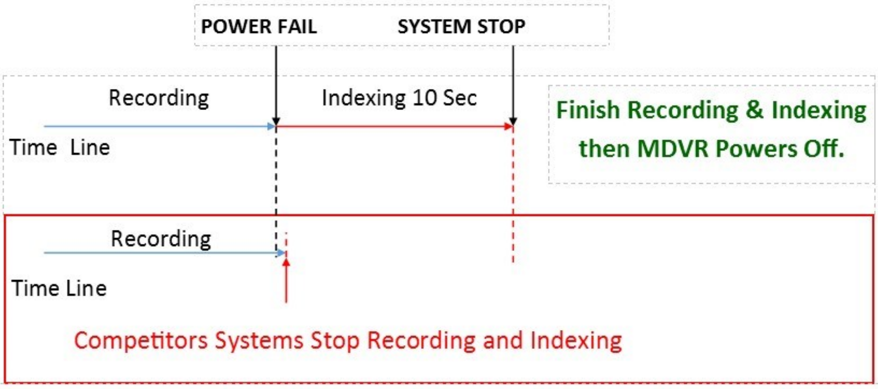
PRODUCT LIST

POWER MANAGMENT

Super Capacitors

- **Built in Super Capacitors.**
- **Up to 10 seconds more operation after Power Fail.**
- **Provides MDVR complete recording even upon unexpected power fail.**



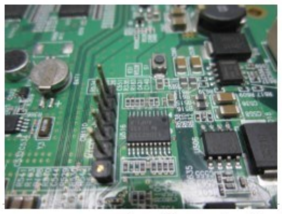
American Transit Video Solutions Inc.

Finish Recording & Indexing then MDVR Powers Off.

Competitors

Competitors Systems Stop Recording and Indexing

Competitors Systems Can't Finish Recording & Indexing If Power Fails
Causing up to 5 Minutes of Critical AUDIO and VIDEO LOSS



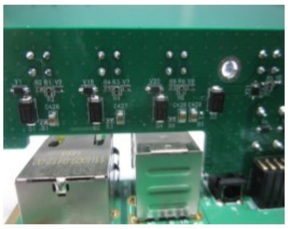
Power Monitoring Block

POWER SAVING MODE

- Monitoring power source from the battery of the vehicle is used for the automatic shut off when the voltage drops under the voltage threshold.

CAMERA POWER

- Camera power is filtered protecting all cameras from voltage spikes



Camera Power

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PRODUCT LIST

SMALL CAR or MOTORCYCLE MOBILE DIGITAL RECORDER KIT

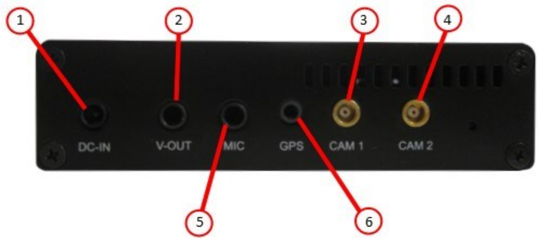
SPECS

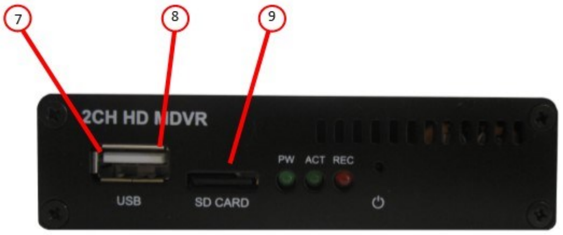
- Supports 2 CH video inputs (720p)
- Composite Video out & Audio output
- H.264 and MJPEG video compression
- G.711 audio compression.
- Embedded GPS module
- Support External USB HDD
- Unexpected shutdown protection (finishes recording)
- SD Card Reader - Supports (max) 64Gb SD card
- Android and IOS mobile app available in App Stores.
- PC Playback with interlocked GPS information (PC viewer)

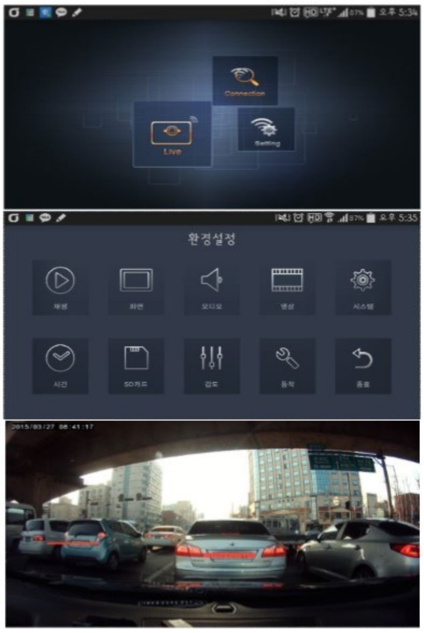
2CH HD MDVR
USB
SD CARD
PW ACT REC

HD2 KIT

- 1 x HD2-MDVR recorder unit
- 2 x HD 720p Cameras (2 x models available)
- 1 x external active GPS antenna with cable
- 1 x 32Gb SD Card
- Power, video cables and connectors.
- BONUS - 1 x WiFi AP USB dongle (AU Version only)


1
2
3
4
DC-IN
V-OUT
MIC
GPS
CAM 1
CAM 2
5
6


7
8
9
2CH HD MDVR
USB
SD CARD
PW ACT REC


Connection
Live
Setting
환경설정

GPS Antenna

1. Power in
2. Video out
3. CAM 1
4. CAM 2
5. MIC. in
6. GPS Antenna
7. USB—WiFi Dongle
8. USB—External HDD
9. SD Card slot

110mm (W) x 25mm (H) x 57mm (D)

Android - CBX Pro
IOS - CBX

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PRODUCT LIST

DIRECT ALARM SUPPLIES

A Hills. Company

Hills. Reliance

The Best Choice in Home Security

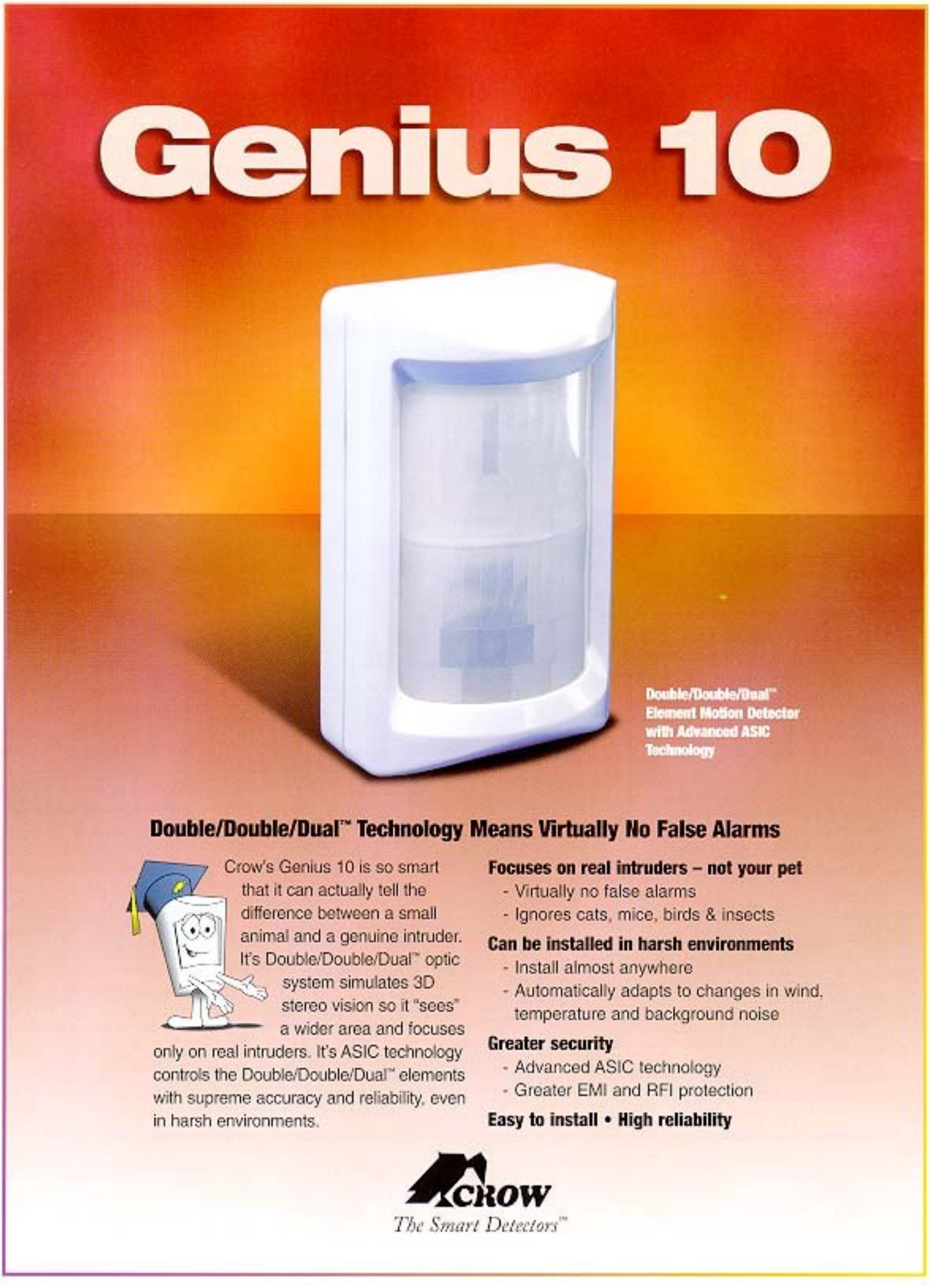
Safeguarding your family is a high priority.

Hills Industries designed the Reliance Security System using the most advanced technology available. Designed to meet the demands of safeguarding your home and family. The Hills Reliance offers extraordinary power coupled with simplicity of use. Ideal for all residential applications, and is expandable to meet the demands of growing families.

Hills Industries has been securing Australian businesses and homes for well over twenty years with our quality products. Let us show you real peace of mind.

The Hills Reliance – Keeping your family safe and protected.

PRODUCT LIST



Genius 10

Double/Double/Dual™ Element Motion Detector with Advanced ASIC Technology

Double/Double/Dual™ Technology Means Virtually No False Alarms

Crow's Genius 10 is so smart that it can actually tell the difference between a small animal and a genuine intruder. It's Double/Double/Dual™ optic system simulates 3D stereo vision so it "sees" a wider area and focuses only on real intruders. It's ASIC technology controls the Double/Double/Dual™ elements with supreme accuracy and reliability, even in harsh environments.

Focuses on real intruders – not your pet
- Virtually no false alarms
- Ignores cats, mice, birds & insects

Can be installed in harsh environments
- Install almost anywhere
- Automatically adapts to changes in wind, temperature and background noise

Greater security
- Advanced ASIC technology
- Greater EMI and RFI protection

Easy to install • High reliability

CROW
The Smart Detectors™

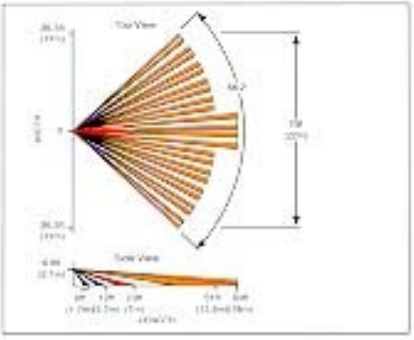
Genius 10

DOUBLE/DOUBLE/DUAL™ OPTIC SYSTEM

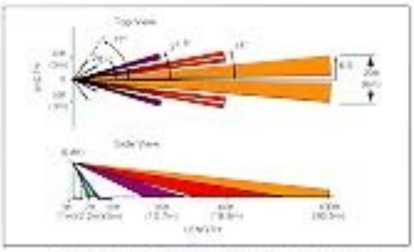
The Genius 10's **Double/Double/Dual™ Optic System** is controlled by a powerful microprocessor which uses Crow's proprietary digital signal analysis to produce a three-dimensional thermal image of the protected area. It remembers this image, and **focuses only on the intruder.** It will automatically adapt to environmental changes in wind, temperature and background noise. When conditions change, the Genius 10's compensation circuitry automatically adjusts itself to the new conditions, maintaining sensitivity level and detection capability with virtually no false alarms.

The security logic for the Genius 10 is embedded in the ASIC (Application Specific Integrated Chip) component and it can not be violated or decoded, making it perfectly suited for **high security applications.**

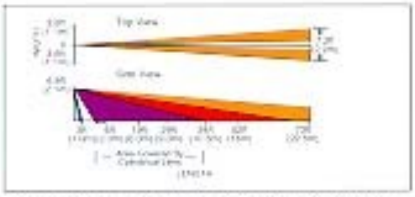
The Genius 10 is available with the standard wide angle lens or optional long range and vertical barrier lenses (see array diagrams); all are interchangeable.



WIDE ANGLE LENS (Standard)



LONG RANGE LENS (P/N GE 02)



VERTICAL BARRIER LENS (P/N GE 03)

TECHNICAL SPECIFICATIONS

Detection method	2 matching dual elements/optics – Passive infrared
Detection speed	0.5 to 6 ft/sec (0.15 to 1.8 m/sec)
Sensitivity	2°F at 3 ft/sec (1.1°C at 0.9 m/sec)
Warm up period	3 sec
Alarm period	2 sec
Power input	7.8–16 VDC
Current draw	8.4 mA between 7.8 and 16 VDC
Alarm output	N.C 28 VDC 0.1A with 10 Ohm series protection resistor
Tamper switch	N.C 28 VDC 0.1A open when cover is removed
Automatic temperature compensation	Constant gain at -4°F to +158°F (-20° to +70°C)
Humidity	Up to 95% R.H. non-condensing
RFI protection	30 V/m 10–1000 MHz
EMI protection	50,000 V of electrical interference from lightning or power through
Operating Temperature	-4°F to 158°F (-20°C to +70°C)
Visible light protection	Stable against halogen light at 3.3 ft (1 m)
Lenses	Wide angle, long range, vertical barrier (curtain) – Interchangeable
Dimensions	3.8" (97 mm) x 2.5" (63.3 mm) x 1.7" (43.4 mm)
Weight	3.0 oz (108 gr.)

NOTICE: Genius 10 passive infrared motion detectors are designed to detect intrusion and to send an electronic signal to alarm control systems, should intrusion occur. The warranty does not make the manufacturer or the distributor of Genius 10 an insurer nor shall either be liable for consequential damages resulting from any breach of warranty, express or implied, applicable to their use. Specific legal rights may vary from state to state in the United States and from province to province in Canada. Crow reserves the right to change the above specifications without prior notice.

CROW
The Smart Detectors™

CROW ELECTRONIC
ENGINEERING LTD.
57 Hamlacha Street
Holon 58851 Israel
Tel. 972-3-5569937
Fax. 972-3-5592981
Email: crow@netmedia.net.il

CROW ELECTRONIC
ENGINEERING, INC.
2160 North Central Road
Fort Lee NJ 07024 USA
Tel. 201-944-0005
Fax 201-944-1199
Email: crow@nis.net
Web: www.crowelec.com

CROW AUSTRALIA P/L
429 Nepean Highway
Brighton East VIC 3187 Australia
Tel: 61-3-9596-7222
Fax: 61-3-9596-0888
Email: crow@crowaust.com.au

LOCAL REPRESENTATIVE

CE

P/N: 7411076

PRODUCT LIST

DAS
DIRECT ALARM SUPPLIES
A Hills Company

VoiceNav
See It. Touch It. Hear It.

STATUS
AWAY
STAY
MUTE
TALK
Hills
1
2
3
4
5
6
7
8
9
0
AREA

See It -
the sleek design illuminates
to suit any décor

Touch It -
the responsive interface
reflects your every touch

Hear It -
the voice guide navigates
you through its functionality

"The security code pad that appeals to your senses"

PRODUCT LIST

We took all the great things from our Hills Reliance platform, years of industry leading experience, and most importantly your feedback with extensive market research, to design the Hills Reliance VoiceNav and its functionalities - setting the new global design benchmark in security.

Features and Benefits

Interactive Personal Voice Guide and VoiceCheck Status Key

So easy to use without a manual, consumers will connect to the product with less training, reducing support calls to you.

Customizable Voice Recording and Extensive Voice Library

You or the end-user can personalise zone, area, room and user names. No more mysterious codes and blinking lights.

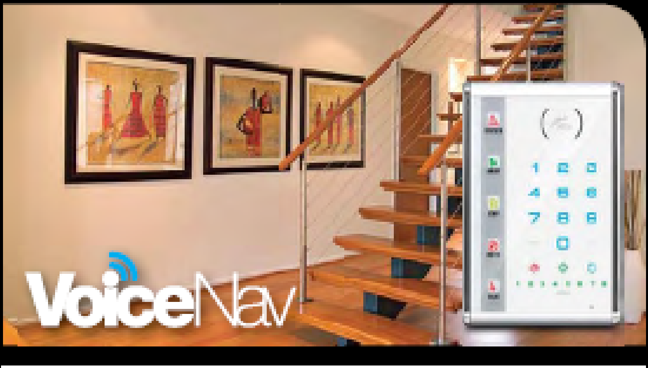
Intercom Functionality for up to 8 rooms

Essential communication features are built in to every new VoiceNav code pad and work on existing existing NX and Hills Reliance systems.

Ease of Installation

Fully backwards compatible with existing NX and Hills Reliance systems. Same wiring bus and NX programming menu makes it a breeze to install. Just add a 4-core cable in parallel to activate the intercom feature if desired.

"This combination of installer and end-user friendly features makes the Hills Reliance VoiceNav the new standard for security system code pads.



Hills Reliance VoiceNav Specifications

User Interface	Individually Backlit SmartKeys Advanced Touch Response Surface Interactive Personal Voice Guide
Alarm Panel	Compatible with NX (made after 2000) and Hills Reliance Security Control Panels
Dimensions	(W) 80mm (H) 120mm (D) 16mm
Operating Temperature	0 to 50 degrees Celsius
Wiring	Data Bus - 3 core, recommended 14/020 Audio Line - 2 pairs of twisted cable
Max No. Intercoms	8 units with intercommunication
Colour	Opal White
Weight	100g
Options	Chrome Trim

DAS
DIRECT ALARM SUPPLIES
A Hills Company
www.das.com.au

Head Office, NSW
10-12 Wiggs Rd
Riverwood NSW 2210
Ph: 02 9717 5222
Fax: 02 9717 5221

Canberra, ACT
Unit 1, 43-45 Collie St
Fyshwick ACT 2609
Ph: 02 6280 9630
Fax: 02 6280 9632

Coburg, VIC
Unit 5, 51 Moreland Rd
Coburg VIC 3058
Ph: 03 9383 2066
Fax: 03 9383 2173

Granville, NSW
12 Wentworth St
Granville NSW 2142
Ph: 02 9897 7722
Fax: 02 9897 9477

Molendinar, QLD
Unit 3, 37 Expansion St
Molendinar QLD 4214
Ph: 07 5597 7203
Fax: 07 5597 3800

Balcatta, WA
Unit 4, 12 Abrams St
Balcatta WA 6021
Ph: 08 9241 3100
Fax: 08 9240 4313

Rosebery, NSW
39 Mentmore Ave
Rosebery NSW 2018
Ph: 02 9698 9698
Fax: 02 9319 1379

Bowen Hills, QLD
Unit 4, 276 Abbotsford Rd
Bowen Hills QLD 4006
Ph: 07 3252 5512
Fax: 07 3252 5531

Torrensville, SA
Unit 2, 107-109 Hayward Ave
Torrensville SA 5031
Ph: 08 8150 9400
Fax: 08 8150 9499

Chatswood, NSW
Unit 23, 380 Eastern Valley Wy
Chatswood NSW 2067
Ph: 02 8467 1467
Fax: 02 8467 1499

Rowville, VIC
Unit1, 16 Viewtech Pl
Rowville VIC 3178
Ph: 03 9755 6922
Fax: 03 9755 7311

Hobart, TAS
11-17 Pearl St
Derwent Park TAS 7009
Ph: 03 6272 0211
Fax: 03 6272 9135

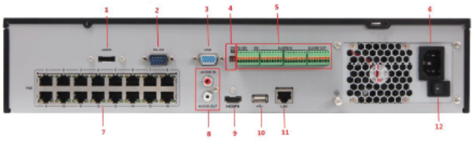
PRODUCT LIST

HIK-7232NI-SP-1U (DS-7732NI-SP-1.5U)

Key features

- Up to 16-ch IP cameras input
- Third-party network cameras supported
- Up to 5MP resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- Plug & Play with 16 independent PoR network interfaces
- Up to 4 SATA HDDs with 3TB each
- HDD quota and group management

Rear Panel of DS-7732NI-SP-1.5U



1. eSATA Interface
2. RS-232 Interface
3. VGA Interface
4. Termination Switch
5. RS-485 Interface, Controller Port, Alarm In/Out
6. AC 100V-240V
7. Network Interfaces with PoE function
8. Audio In and Audio Out
9. HDMI Interface
10. USB Interface
11. Lan Interface
12. Power Switch

	DS-7732NI-SP-1.5U
Video/Audio input	
IP video input	16-ch
Audio in	1-ch, RCA (2.0 Vp-p, 1kΩ) (Two-way audio input)
Incoming bandwidth	160Mbps
Video/Audio output	
Encoding resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
HDMI output	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P / 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
Audio output	1-ch, RCA (Linear, 600Ω)
Playback resolution	5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF
Synchronous playback	Up to16-ch
Hard disk	
SATA	4 SATA HDDs
Capacity	Up to 3TB for each disk
eSATA	1 eSATA interface
External interface	
Network interface	1 RJ-45 10 / 100 / 1000 Mbps self-adaptive Ethernet interface 16 independent 100 Mbps PoE network interfaces Note: Total Power Consumption should be under 200w
Serial interface	1 RS-232 interface 1 RS-485 interface Keyboard
USB interface	3 × USB 2.0
Alarm in	16
Alarm out	4
General	
Power supply	100 ~ 240VAC, 6.3 A, 50 ~ 60 Hz
Consumption	≤ 45 W (without hard disk or DVD-R/W)
Working temperature	-10 ºC ~ +55 ºC
Working humidity	10% ~ 90%
Chassis	19-inch rack-mounted 1.5U chassis
Dimensions (W × D × H)	440 × 390 × 70 mm
Weight	≤ 8 Kg (without hard disk or DVD-R/W)

HIKVISION

DS-2CD2632F-I(S) 3.0MP VF IR Bullet Network Camera

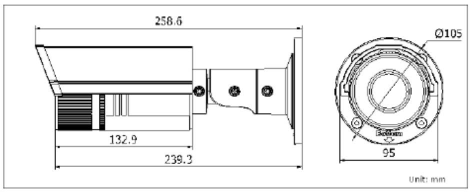
1/3" CMOS
Progressive Scan
HD Video
H.264
Dual Stream
3.0 Megapixel MP Camera
PoE
Day&Night
IR
3D DNR Digital Noise Reduction
SD
Alarm I/O
Vari-Focal
DIGITAL WDR Wide Dynamic Range
Backlight Compensation

	DS-2CD2632F-I (S)
Camera	
Image sensor	1/3" progressive scan CMOS
Min. illumination	0.07 lux@F1.2, AGC on 0.1 lux@F1.4, AGC on 0 lux with IR
Shutter time	1/25s (1/30s) ~ 1/100,000s
Lens	2.8 ~ 12 mm @F1.4, angle of view: 105.2° ~ 31.9°
Lens mount	Φ14
Day & night	ICR
Digital noise reduction	3D DNR
Wide dynamic range	Digital WDR
Backlight compensation	Yes, zone configurable
Compression standard	
Video compression	H.264 / MJPEG
H.264 compression profile	Main profile
Bit rate	32 Kbps ~ 16 Mbps
Audio compression (-S)	G.711 / G.726
Audio bit rate (-S)	64Kbps (G.711) / 16Kbps (G.726)
Image	
Max. image resolution	2048 × 1536
Frame rate	50Hz: 20fps (2048 x 1536), 25fps (1920 × 1080), 25fps (1280 x 720) 60Hz: 20fps (2048 x 1536), 30fps (1920 × 1080), 30fps (1280 x 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network	
Network storage	NAS
Alarm trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception, storage error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
System compatibility	ONVIF, PSIA, CGI
General functionalities	User authentication, watermark, dual stream
Interface	
Communication interface	1 RJ45 10M / 100M ethernet port
On-board storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB
General	
Operating conditions	-30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing)
Power supply	DC12V ± 10%, PoE (802.3af)
Power consumption	Max. 5.5W (7.5W with ICR on)
Ingress protection level	IP66
IR range	Up to 30m
Dimensions	95 x 105 x 258.6 mm (3.74" x 4.13" x10.18")
Weight	1200g

Key features

- Up to 3 megapixel (2048 x 1536) resolution
- Full HD1080p real-time video
- Vari-focal lens
- IR LEDs (up to 30m)
- DWDR & 3D DNR & BLC
- IP66
- Support on-board storage (up to 64GB)
- (-S) Audio I/O, Alarm I/O

Dimensions



Available models

DS-2CD2632F-I, DS-2CD2632F-IS

* -S: 1-ch audio I/O interface, 1-ch alarm I/O interface.

* Product picture and technical specs subject to change without previous notice.
For further information, please contact our local sales representatives.

PRODUCT LIST

HIKVISION

SECURITY ON WHEELS

SMART MOBILE TRANSPORTATION SOLUTION

smart solution 2.0

MOBILE

www.hikvision.com

PRODUCT LIST

Safe public transportation is a worldwide concern, especially responding quickly to traffic accidents and guarding against potential terrorist attacks on transportation facilities. In addition, increased passenger loads and more complex transportation hubs call for a central management system to safeguard against unlawful activities such as pickpocketing, disorderly behavior, and so on.

Hikvision Smart Mobile Transportation Solution

Cameras

A variety of analog, HDTVI, and IP cameras acquire high-definition video footage of vehicle interiors as well as the surrounding environments.

Recorders

Embedded mobile NVRs & DVRs provide reliable onboard video recording. Multiple accessories are also supported to provide valuable features such as two-way audio, status indication, panic alarm.

Transmission

Communication between the platform and devices is mainly based on 3G / 4G wireless networks. Key data including GPS and alarm information is instantly uploaded to the platform for centralized control and management.

Management

The iVMS-5200 Professional video management platform manages the devices centrally and provides functions including live view, remote playback, GPS location, and route playback. Both the mobile client and PC client are supported.

MOBILE

PRODUCT LIST

Mobile HD Video Monitoring

Comprehensive high-definition video monitoring helps authorities to deal with situations such as pickpocketing, traffic accidents, terrorism, disorderly behavior of passengers and drivers, and more. Pictures and videos can be exported to law enforcement for investigation.

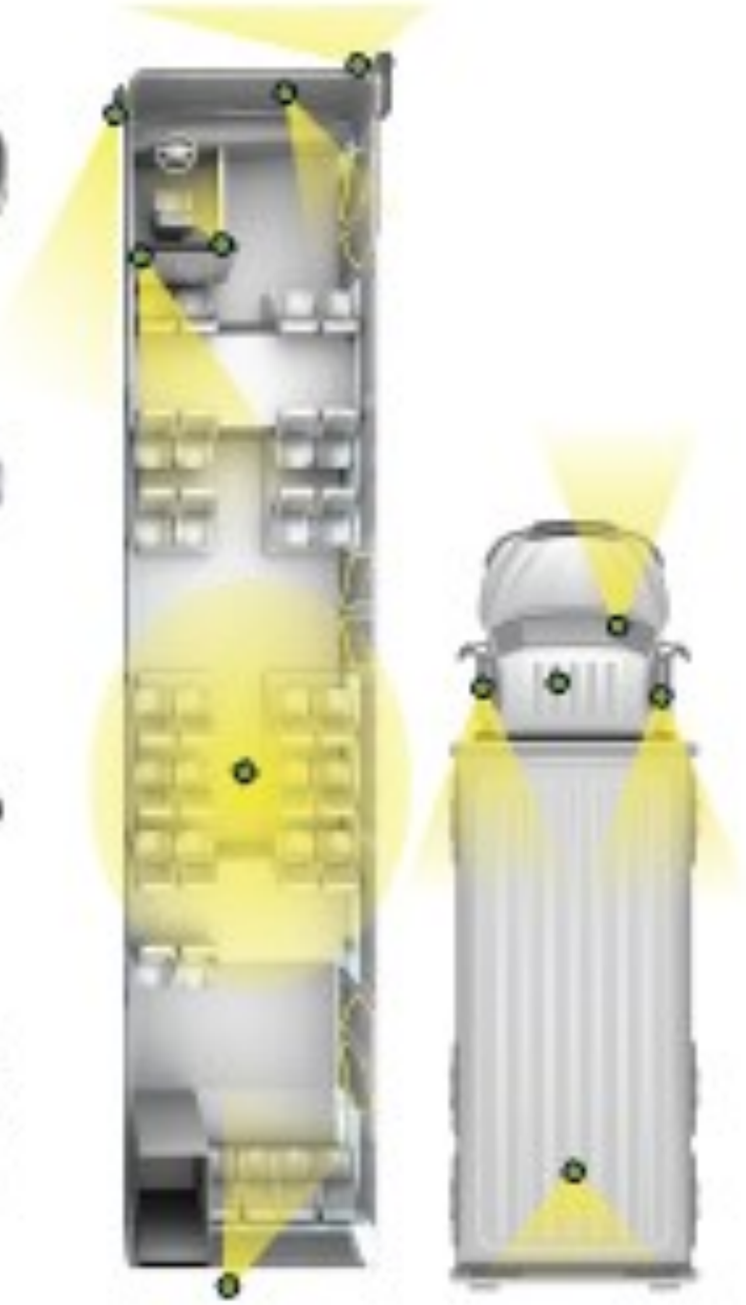
Supervising drivers behavior

Monitoring entrances with motion detection

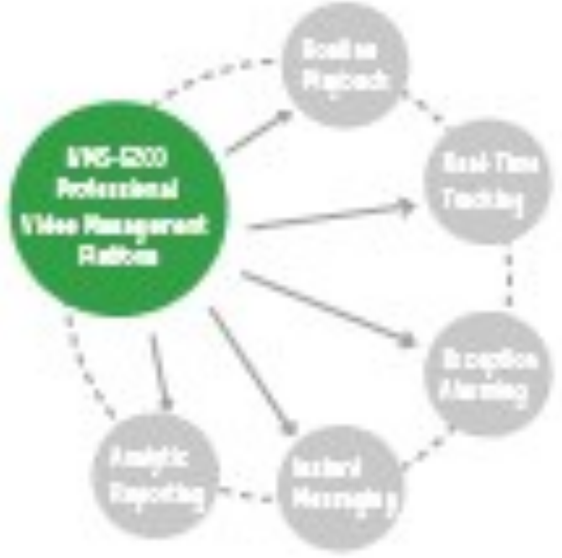
Viewing vehicle passengers from different angles

Monitoring traffic outside of the vehicle

Dedicated fisheye camera and on-board recorder with LCD monitor offer side view to prevent dead-angle on backing a vehicle.



PRODUCT LIST

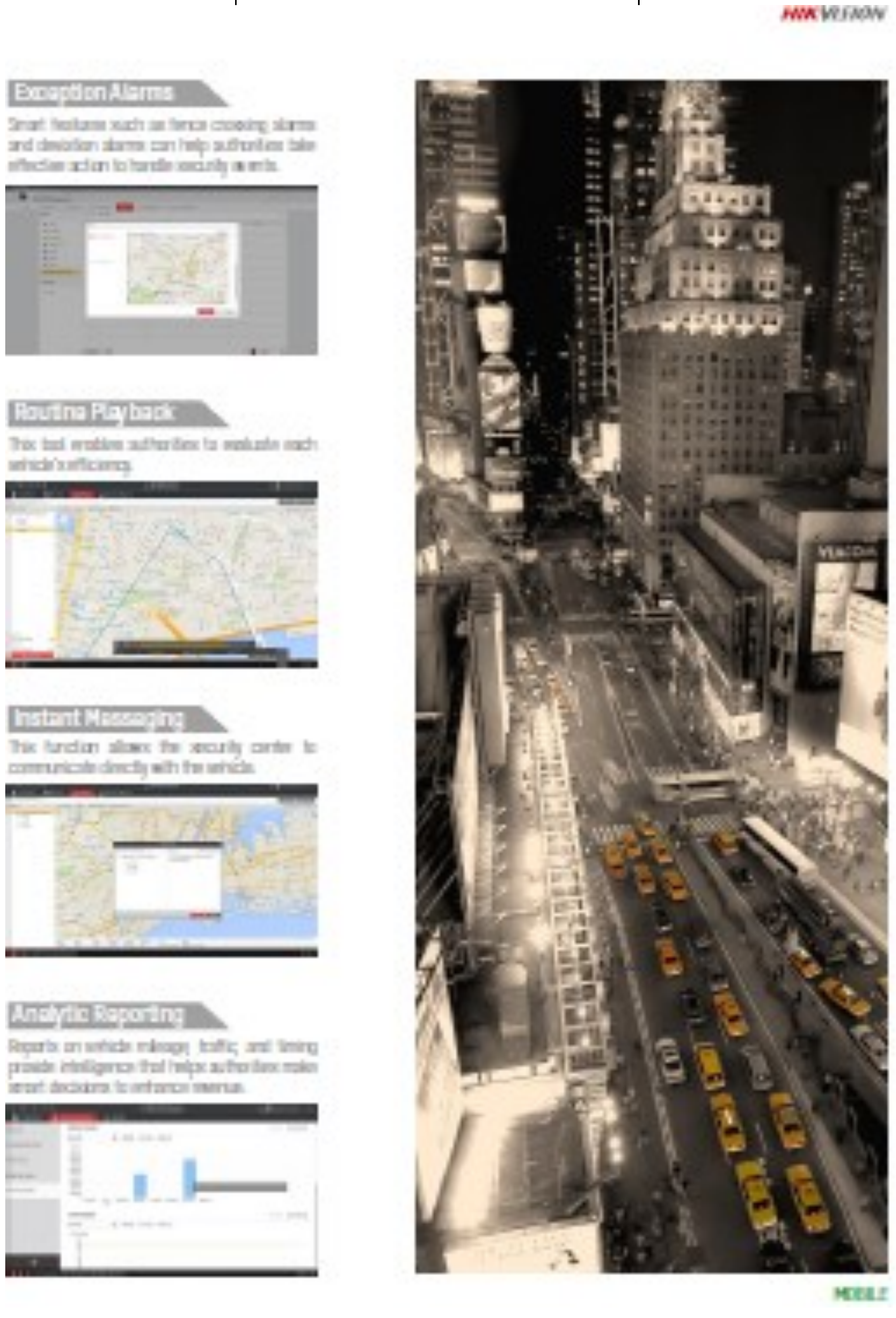

IVMS-5200
Professional
Video Management
Platform
Scalable
Playback
Real-Time
Tracking
Exception
Alarming
Instant
Messaging
Analytic
Reporting

Real-time Tracking

Tracking in real-time helps authorities inspect onboard situations.

MOBILE

PRODUCT LIST



Exception Alarms

Smart features such as fence crossing alarms and deviation alarms can help authorities take effective action to handle security events.

Routine Playback

This tool enables authorities to evaluate each vehicle's efficiency.

Instant Messaging

This function allows the security center to communicate directly with the vehicle.

Analytic Reporting

Reports on vehicle mileage, traffic, and timing provide intelligence that helps authorities make smart decisions to enhance revenue.

MOBILE

Remote Monitoring and Video Push Alerts from Anywhere

Traffic accident

Video Push

Central Platform

A connection between the [illegible] mobile client and the central platform allows real-time video from cellphone cameras to be sent to the central platform and then transmitted to more clients.

PRODUCT LIST

A HANDHELD SURVEILLANCE SYSTEM

TO HANDLE TOUGH JOBS

Developed specifically for mobile handheld surveillance applications, Hikvision's new Portable Video Recorder (PVR) offers superior video performance and is exceptionally versatile and robust, making it suitable for practically any surveillance job and any environment. The PVR offers ideal support in situations requiring constant communication and control to ensure users' safety even under the most dangerous conditions — cutting-edge technology in a portable package that handles both daily surveillance needs and emergency situations.

DS-6102HLI-T (RW/GLE)
Portable Video Recorder

Humanized design, waterproof, dust-proof and drop-proof

GPS, 3G, Wi-Fi

High-resolution camera and extensive range of accessories

Digital fingerprint identification and protected access

Centralized management via the iVMS-5200 platform

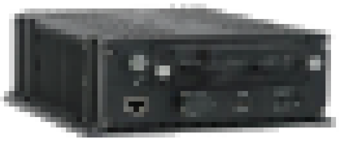
A wide variety of applications

MOBILE

PRODUCT LIST

DS-M7508HNI

8-ch Mobile Network Video Recorder



Key Features

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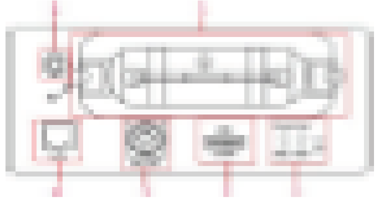
Front Panel of DS-M7508HNI



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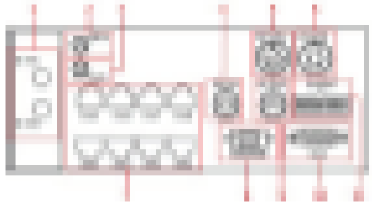
Rear Panel of DS-M7508HNI



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10. [illegible]
11. [illegible]

Order Models

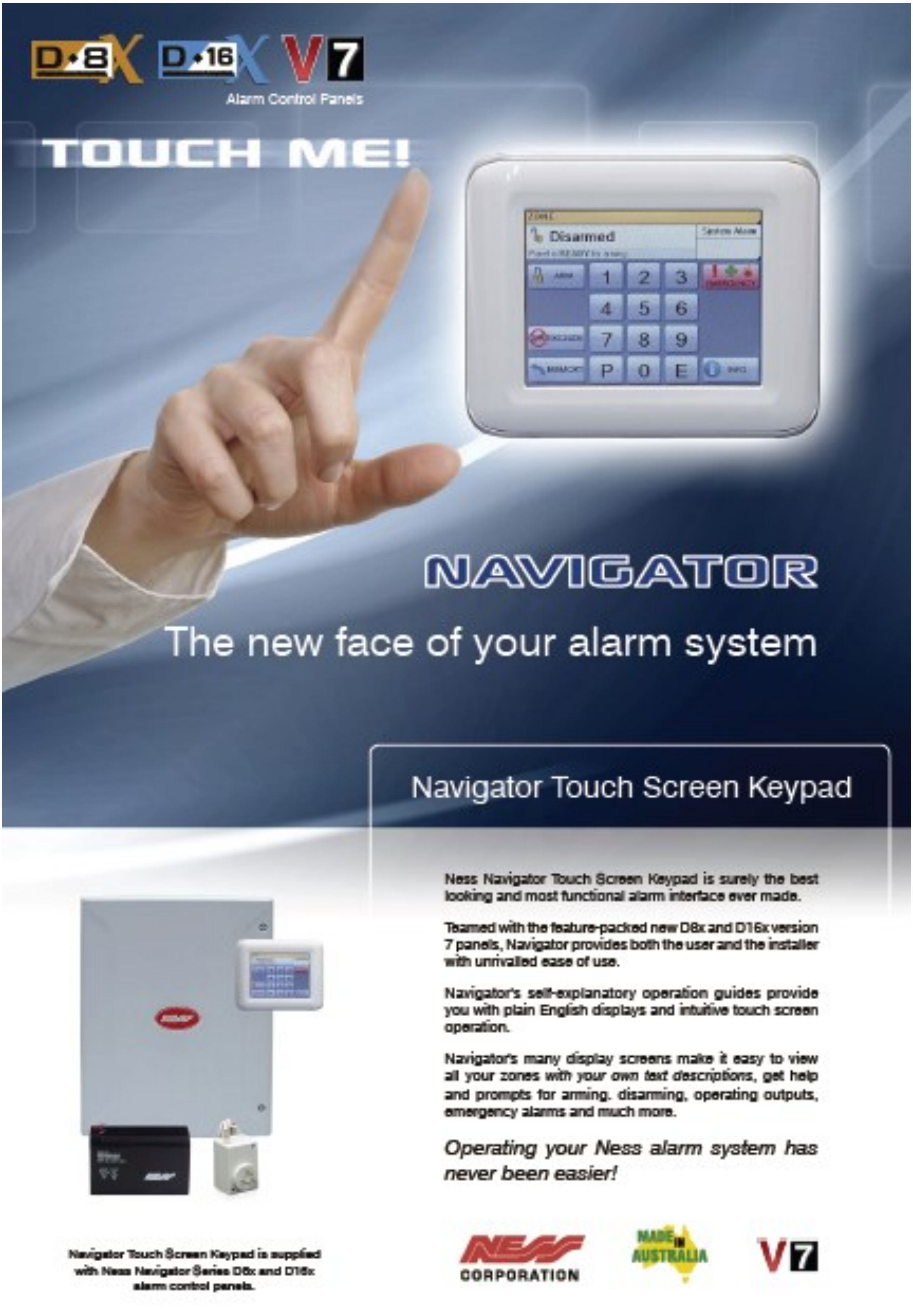
DS-M7508HNI

[illegible]

[illegible]

Video/Audio input	
Analog video input	None
IP video input	8-ch, PoE supported
Two-way audio	[illegible]
Incoming bandwidth	[illegible]
Video/Audio output	
Recording resolution	1080P/720P
VGA output	1-ch Resolution: [illegible]
CVBS output	1-ch [illegible]
Audio output	1-ch [illegible]
Decoding	
Live view	8-ch
Synchronous playback	8-ch
Hard disk	
Type	[illegible]
Capacity	[illegible]
Installation	Pluggable
Protection	[illegible]
Backup	[illegible]
Wireless Network	
Dialing	[illegible]
Wi-Fi (optional)	[illegible]
Positioning	
GNSS	GPS
External Interface	
Alarm in	[illegible]
Alarm out	[illegible]
Network interface	[illegible]
PoE	[illegible]
Antenna interface	[illegible]
Serial interface	[illegible]
eSATA interface	1
USB interface	[illegible]
[illegible]	[illegible]
SIM card	[illegible]
General	
Operating system	Linux
Operating method	[illegible]
Power supply	[illegible]
Consumption	[illegible]
Working temperature	[illegible]
Working humidity	[illegible]
Dimensions (W×D×H)	[illegible]
Weight	[illegible]

PRODUCT LIST


D8X
D16X
V7
Alarm Control Panels
Disarmed
ARM
EXCLUDE
MEMORY
INFO
EMERGENCY
1 2 3
4 5 6
7 8 9
P 0 E

TOUCH ME!

NAVIGATOR

The new face of your alarm system

Navigator Touch Screen Keypad

Ness Navigator Touch Screen Keypad is surely the best looking and most functional alarm interface ever made.

Teamed with the feature-packed new D8x and D16x version 7 panels, Navigator provides both the user and the installer with unrivalled ease of use.

Navigator's self-explanatory operation guides provide you with plain English displays and intuitive touch screen operation.

Navigator's many display screens make it easy to view all your zones *with your own text descriptions*, get help and prompts for arming, disarming, operating outputs, emergency alarms and much more.

Operating your Ness alarm system has never been easier!

Navigator Touch Screen Keypad is supplied with Ness Navigator Series D8x and D16x alarm control panels.

NESS CORPORATION

MADE IN AUSTRALIA

V7

PRODUCT LIST

Control Panel Features

NAVIGATOR CONTROL PANEL

- 8 or 16 alarm zones.
- Supports up to 3 Navigator Touch keypads.
- 56 user codes can be programmed to operate by keypad PIN. Radio Key or Access Card.
- Optional Ness Radio Interface for fully integrated wireless security.
- Programmable Two Area partitioning can split the panel into two independent areas plus a common area.
- Real Time Clock with AutoTime features - auto arm/disarm. auto aux outputs. time based user control.
- 3 Door Access Controller onboard with support for Weigand prox or fingerprint readers.
- Home Monitor Mode allows partial arming. (eg. perimeter security overnight).
- Day Mode feature allows daytime monitoring of fire doors. coolrooms and other doors without the need for full arming.
- Temporary Day Zone feature allows easy enabling/disabling of Day Mode by the user.
- Keypad Panic and Duress facilities.
- Two button arming option for quick and easy arming.
- Fire Alarm option with different siren tones.
- Highly flexible zone to output mapping.
- Onboard Vibration Sensor Analyser with programmable sensitivity. Use with Nessensor™ vibration sensors.
- Multiple programmable EOL resistor values from 0k to 22k (2k2 resistors supplied).
- Siren chirp and strobe flash on arming with radio key.
- Quiet chirps option on arm/disarm by radio key.
- True Dynamic Battery Test actively tests the battery under load every hour and every time a keypad code is entered.
- 4 programmable auxiliary outputs.
- Enhanced serial data input/output via RS232 for interfacing to third party controllers.
- Automatic reset fuses protect all outputs.
- Programmable Reset Output lockout.
- 30 event memory from keypad. 50 event memory can be accessed using NessComms™.
- Standard defaults to suit most applications for faster installation.
- Easy programming by keypad or NessComms™ software.
- All programming data is permanently stored in a non-volatile memory.
- All inputs and outputs are heavily protected against lightning and high voltage supply transients.
- Optional output expander provides systems and zone outputs.

DIALLER

- Full remote upload/download by PC and modem using NessComms™ software.
- View system status and arm/disarm using NessComms™.
- Remote control of outputs via telephone.
- Contact ID Format - Two 14 digit phone numbers plus one "follow me" number.
- Audible Voice format feature.
- Phone line monitoring (activates output).
- Dialler 'Listen in' option for installers makes line diagnosis easy.
- Auto Test calls programmable with 2 to 198hr interval.
- Hex programmable client codes as required by some central stations.

D8X
D16X
V7
Alarm Control Panels
FULLY COMPATIBLE WITH ALL NESS RADIO DEVICES*
NAVIGATOR TOUCH KEYPAD SUPPLIED
REAL TIME CLOCK FOR AUTO TIME FEATURES
MADE IN AUSTRALIA

AUTO TIME

The D8x/D16x Real Time Clock provides a set of powerful yet easily programmed automation and security functions such as:

AUTO Arm-Disarm-Home Mode

ARM or DISARM AUTOMATICALLY at pre-programmed times or day of the week.

This feature can save a site manager many headaches and hours of travel time. There is no need to rely on staff remembering to arm or disarm the system.

AUTO Output Control

TURN OUTPUTS ON or OFF at pre-programmed times - every day. once a week. anytime. Automate doors. sprinkler systems. lights and more.

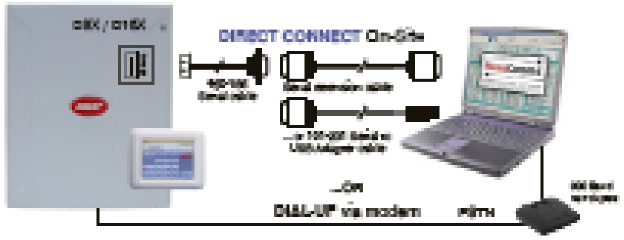
AUTO User Control

ENABLE/DISABLE USER CODES depending on the time of day or day of the week. Allows managers to grant users access to the system at selected times or to deny after hours entry.

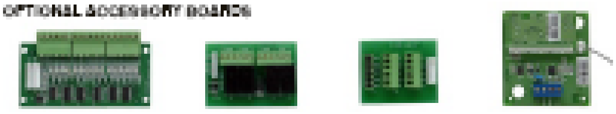
NessComms™

Experience NessComms Software. The fastest, easiest way to PROGRAM, VIEW & CONTROL Ness panels.

FREE TRADE DOWNLOAD



OPTIONAL ACCESSORY BOARDS



106-011
Output Expander

106-013
4 Relay Board

106-012
Reader Interface

100-200
Radio Interface

OPTIONAL RADIO ACCESSORIES
OPTIONAL ACCESS CONTROL READERS

*Radio integration requires addition of the optional Ness Radio Interface.

PRODUCT LIST

MULTIPLE TOUCH SCREEENS

NAVIGATOR

Touch Keypad Features

Touch the screen to activate alarms

Four Auxiliary Outputs Programmable by event or time.
Touch ON. Touch OFF.

View and add your own zone names

Never lose a business card again! Your installer can leave his contact details in your Navigator.

And much more...

- 3.5" colour LCD Touch Screen.

  The easiest to read alarm keypad ever!

- Superb contemporary design.

  Clean, crisp design adds elegance to any decor in the home or office.

- Designed for the user with plain English event displays by name.

  Add your own text descriptions for your alarm zones, Choose from the built-in library or add your own.

- Dealer Details Page.

  Never lose a business card again! Your installer can leave his contact details in your Navigator.

- Advanced English Programming making installation faster and easier than ever.

  Navigator makes everyday programming such changing user codes or timers a breeze.

- Makes Alpha Numeric keypads a thing of the past.

  Navigator leaves nothing to guesswork, with no LEDs or LCD Icons to interpret, you may not even need to refer to the manual.

- Lowest cost Touch Screen on the market.

  Navigator is a true Price-Performance breakthrough offering touch screen technology for not much more than a traditional keypad.

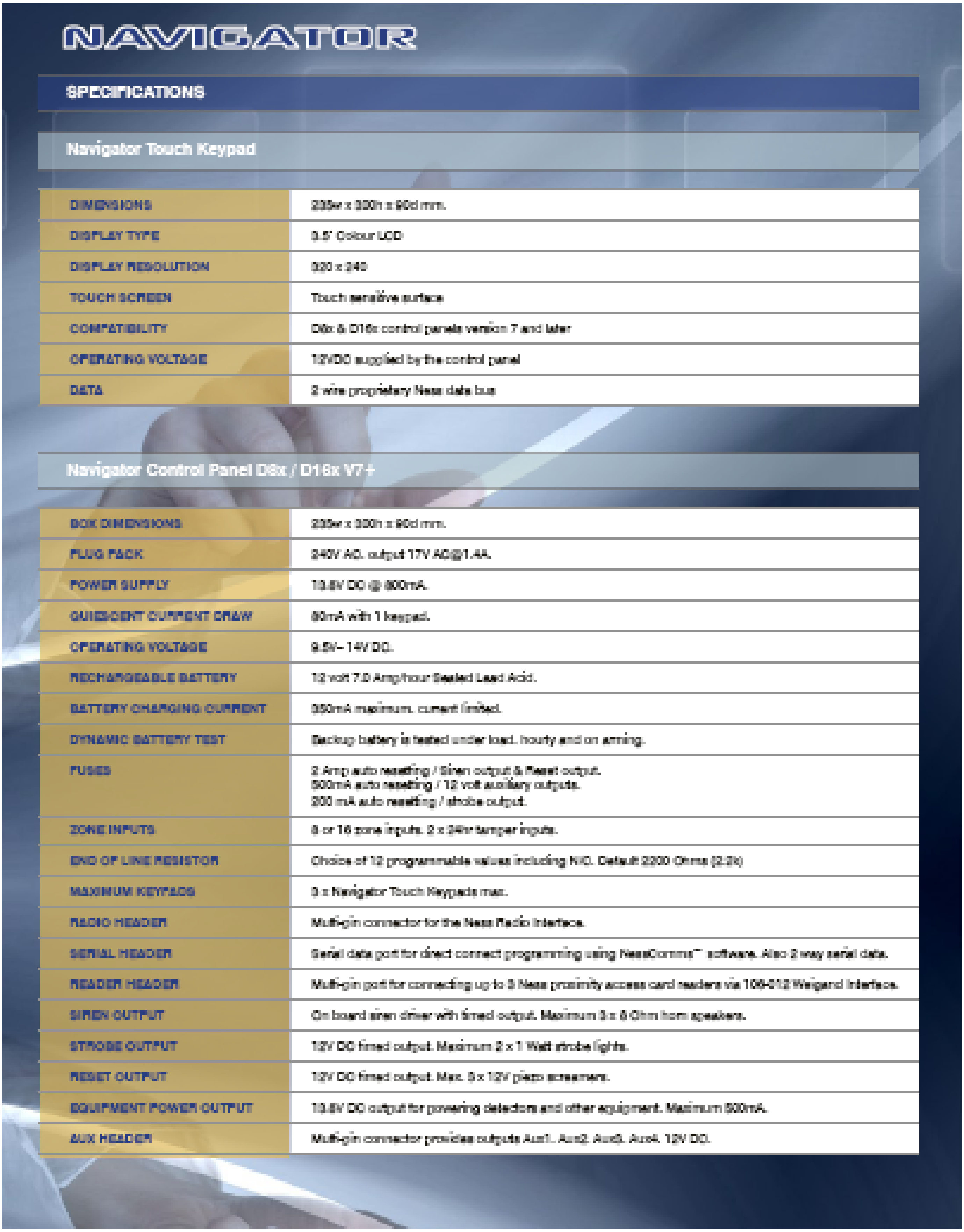
- Designed and manufactured by Ness Corporation, your Australian Supplier.

  Navigator is proudly a genuine Australian product - conceived, born and raised at our Seven Hills NSW manufacturing facility.

* Navigator Touch Screen Keypad is compatible with Ness D8x and D16x control panels version 7 and later.

MADE IN AUSTRALIA

PRODUCT LIST



NAVIGATOR

SPECIFICATIONS

Navigator Touch Keypad

DIMENSIONS	235w x 300h x 90d mm.
DISPLAY TYPE	3.5" Colour LCD
DISPLAY RESOLUTION	320 x 240
TOUCH SCREEN	Touch sensitive surface
COMPATIBILITY	D8x & D16x control panels version 7 and later
OPERATING VOLTAGE	12VDC supplied by the control panel
DATA	2 wire proprietary Ness data bus

Navigator Control Panel D8x / D16x V7+

BOX DIMENSIONS	235w x 300h x 90d mm.
PLUG PACK	240V AC. output 17V AC@1.4A.
POWER SUPPLY	13.8V DC @ 800mA.
QUIESCENT CURRENT DRAW	80mA with 1 keypad.
OPERATING VOLTAGE	9.5V – 14V DC.
RECHARGEABLE BATTERY	12 volt 7.0 Amp/hour Sealed Lead Acid.
BATTERY CHARGING CURRENT	350mA maximum. current limited.
DYNAMIC BATTERY TEST	Backup battery is tested under load. hourly and on arming.
FUSES	2 Amp auto resetting / Siren output & Reset output. 500mA auto resetting / 12 volt auxiliary outputs. 200 mA auto resetting / strobe output.
ZONE INPUTS	8 or 16 zone inputs. 2 x 24hr tamper inputs.
END OF LINE RESISTOR	Choice of 12 programmable values including N/O. Default 2200 Ohms (2.2k)
MAXIMUM KEYPADS	3 x Navigator Touch Keypads max.
RADIO HEADER	Multi-pin connector for the Ness Radio Interface.
SERIAL HEADER	Serial data port for direct connect programming using NessComms™ software. Also 2 way serial data.
READER HEADER	Multi-pin port for connecting up to 3 Ness proximity access card readers via 106-012 Weigand Interface.
SIREN OUTPUT	On board siren driver with timed output. Maximum 3 x 8 Ohm horn speakers.
STROBE OUTPUT	12V DC timed output. Maximum 2 x 1 Watt strobe lights.
RESET OUTPUT	12V DC timed output. Max. 5 x 12V piezo screamers.
EQUIPMENT POWER OUTPUT	13.8V DC output for powering detectors and other equipment. Maximum 500mA.
AUX HEADER	Multi-pin connector provides outputs Aux1. Aux2. Aux3. Aux4. 12V DC.

CROW DETECTORS

OUTDOOR DETECTION SERIES

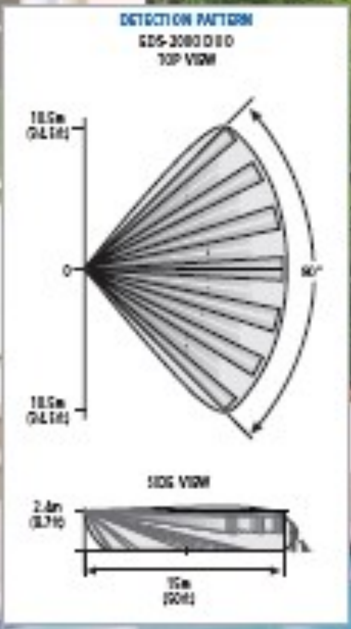
EDS™

EXTERNAL DETECTION SENSORS

EDS-2000 DUO

QUAD PIR AND MICROWAVE K-BAND OUTDOOR SENSOR

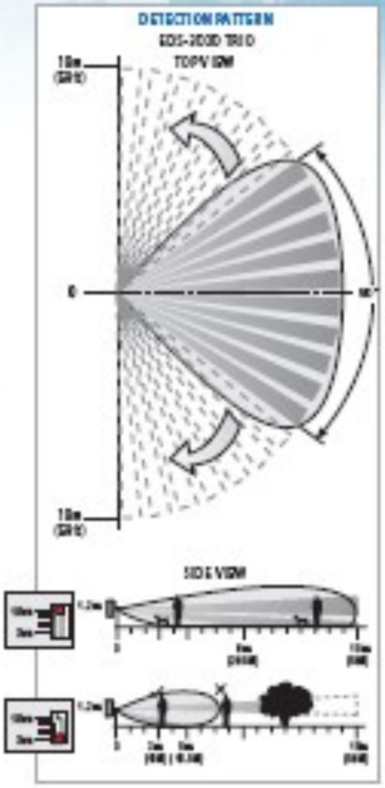
- Up to 55 kg (120 lb) Pet immunity
- Quad Element Pyro sensor and K-Band 24 Ghz microwave (optional X-Band)
- Outstanding white light & RFI immunity
- Form A / Form C
- IP 65 Compliant
- 14m X 18m (46 ft X 60 ft) WA detection range at 1.20m (3.9 ft) installation height
- And / Or mode
- Dimensions (HxWxD): 162 x 70 x 69 mm (6.3" x 2.8" x 2.7")


DETECTION PATTERN
EDS-2000 DUO
TOP VIEW
10.5m
0
90°
10.5m
SIDE VIEW
2.4m
15m
(50ft)

EDS-3000 TRIO

DOUBLE QUAD PIR AND MW OUTDOOR SENSOR

- PIR & Microwave detection
- MW - K-band or X-band
- Form A / Form C
- Coverage detection pattern of 90° adjustable within 180°
- Heavy duty polycarbonate housing
- Sealed electronics and optics
- Automatic temperature compensation
- User selectable sensitivity levels
- Adjustable time relay output
- And / Or mode
- Superior filtering against sun and white light
- Outstanding RFI immunity
- Extensive test features
- User friendly installation
- IP65 compliant
- Dimensions (HxWxD): 200 x 81 x 90 mm (7.8" x 3.2" x 3.5")


DETECTION PATTERN
EDS-3000 TRIO
TOP VIEW
18m
0
90°
18m
SIDE VIEW
1.2m
0
18m
1.2m
0
18m

CROW DETECTORS

OUTDOOR DETECTION SERIES

EDS™

EXTERNAL DETECTION SENSORS

EDS-4000 QUATTRO

OUTDOOR DIGITAL PIR DETECTOR WITH ANTI-MASKING

EDS-4000 Quattro is the latest detector from Crow, designed especially for outdoor installations and harsh environmental conditions.

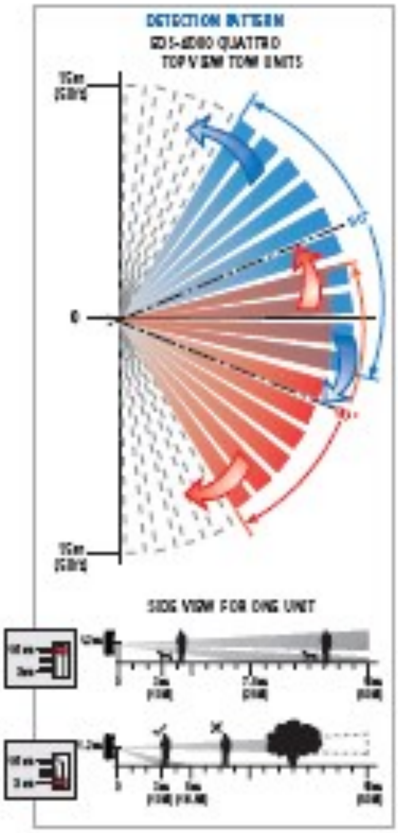
EDS-4000 Quattro features a combination of two Double & Dual PIR detection units and an advanced digital signal processing.

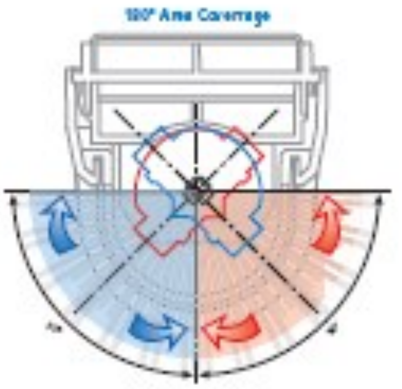
EDS-4000 Quattro easily fits into any outdoor installation location with its detection units adjustable to cover separate areas up to 180°.

It offers outstanding catch performance and freedom from false alarms by excelling in overcoming the disturbances caused by an unstable outdoor environment.

CROW DETECTORS

- Advanced digital processing and optical anti-masking for accurate intruder detection
- Useful for balconies, backyards, parking areas, garages, high security outdoor surroundings, warehouses and many more…
- Water, snow, rain, dust, wind and insect resistant.
- Separate 90° coverage patterns with individual relay outputs for alarm verification
- Heavy duty polycarbonate housing and sealed electronics
- Automatic temperature compensation
- User selectable sensitivity levels
- Adjustable time relay output
- Anti-Masking
- Superior filtering against sun and white light
- Extensive test features
- User friendly installation
- Grade 3 compliant
- IP65 compliant
- Dimensions (HxWxD):
  270 x 80 x 92 mm (10.6" x 3.1" x 3.6")


DETECTION PATTERN
TOP VIEW TWO UNITS
0
90°
SIDE VIEW FOR ONE UNIT


180° Area Coverage

MAINLINE SECURITY

MiVISION TECHNOLOGY

Megapixel NVR Package

Full HD
1080

PC and Smart phone Remote Access Device Software is supplied free with each package

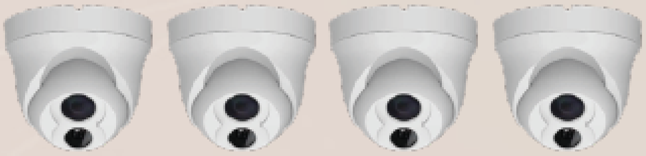
To setup your phone or tablet APP is as simple as taking a photo of the icon provided on the setup screen

KIT416CH Package Features:

- 16 Ch (8 PoE port) Plug & Play NVR (MIDRN4416-P8)
- 4 HDD slots, supports up to 4TB HDDs (max 16TB)
- HDMI & VGA Monitor outputs
- Recorder provides up to 5 MP resolution per Channel
- 2 x 1.3MP IP Cameras (1280 x 960) resolution
- 2 x 3MP IP Cameras (2048 x 1536) resolution
- Two way audio function on 1 channel
- iPhone, iPad, Android, Windows Phone & Mac Supported
- 2 x USB ports, Mouse and IR Hand Held remote control
- Optional DVD drive slot provided
- 8 x Alarm in and 3 x Alarm output functions
- Remote HDDe access and viewing software provided
- Synchronous Playback on all Channels, Max 200Mbps
- The recorder comes with 2TB HDD installed
- 19" Rack-mount NVR Chassis, 1.5RU

IP Cameras in the package:

- 2 x 1.3MP IP Cameras (1280 x 960) resolution
- 2 x 3MP IP Cameras (1920 x 1080) resolution
- The above cameras feature AUDIO function
- Night Vision SMART-IR up to 30M range
- WDR, 3DNR, AGC, BLC Compensation
- Saturation brightness, contrast adjustable
- IP-66 Rating for all weather external use
- Additional cameras available listed below



Dome camera wall mount brackets available

VIC:
221 Nepean Hwy
Gardenvale VIC 3185
Ph: (03)9596 6688
Fax: (03)9596 6138
sales@mainline.com.au

QLD:
54 Caswell St
East Brisbane QLD 4169
Ph: (07) 3891 2222
Fax: (07) 3891 7722
sales@mainline.com.au
www.mainline.com.au

Product		Part
4 Camera 16-Ch/8-PoE NVR KIT		KIT416CH
Additional 1.3MP SMART-IR Camera		MID071
Additional 2MP SMART-IR Camera		MID081
Additional 3MP SMART-IR Camera		MID097
Additional Wall Mount Camera Bracket		MID161

The package is sold as is and cannot be altered, pictures for illustration purposes only. Promotion can be withdrawn at anytime without notice. Additional cameras can be added as listed prices.

PRODUCT LIST

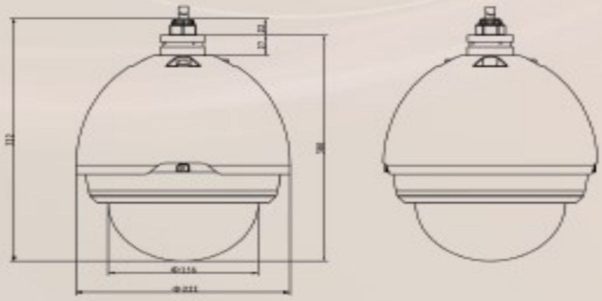
MID-6323C23E

Analogue External PTZ Dome Cameras

Features

- Powerful 23x/36x optical zoom
- High resolution@700TVL/600TVL/540TVL
- DWDR, Day/Night (ICR), DNR (2D&3D), Auto iris, Auto focus, AWB, AGC, BLC
- Max 300 °/s pan speed, 360° continuous pan rotation
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- Support intelligent 3D positioning with DH-SD protocol
- IP66 external rating

Dimensions (mm)



Technical Specifications

Model:	**DH-SD6323C23E**
Camera	
Image Sensor	1/4" EXview HAD CCD II
Effective Pixels	976(H) ×582(V) /976(H) ×494(V)
Horizontal Resolution	Color: 650TVL; B/W: 700TVL
Scanning System	Interlacing
Electronic Shutter Speed	1/1s ~1/100,000s
Min. Illumination	Color: 0.01 Lux/F1.6 B/W: 0.001Lux/F1.6
S/N Ratio	More than 50dB
Video Output	BNC(1.0Vp-p/75Ω), PAL / NTSC
Camera Features	
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR (Digital WDR)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto / Manual
Noise Reduction	2D / 3D
Privacy Masking	Up to 24 areas
Digital Zoom	16x
Lens	
Focal Length	3.9mm~89.7mm (23x Optical zoom)
Max Aperture	F1.6~ F3.7
Focus Control	Auto / Manual
Angle of View	H: 61.68° ~ 3.06°
Close Focus Distance	100mm~1000m
PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~ 250°/s; Tilt: 0.1° ~150°/s
Preset Speed	Pan: 300°/s; Tilt: 200°/s
Preset	80(DH-SD) , 255(Pelco-P/D)
PTZ Mode	5 Pattern, 8 Tour, Auto Pan, Auto Scan

PRODUCT LIST

ARK-3360F

Intel® Atom™ N450/D510 High Value Automation Control Box with 3 GigaLAN and Isolated COM Ports

Features

- Fanless, Intel® Atom™ N450/D510 1.66 GHz Compact Box IPC
- Mini PCIe and Mini PCI expansion for communication module, i.e. HSDPA, WLAN
- Supports 12 ~ 24 V wide range DC input
- Supports up to 3 x GbE, 6 x USB 2.0 and 6 x COMs ports
- Serial ports support RS-485 auto flow control and isolation (up to 7.5Kv)
- Easy integration, easy maintenance, and wide input voltage range
- IP40

Specifications

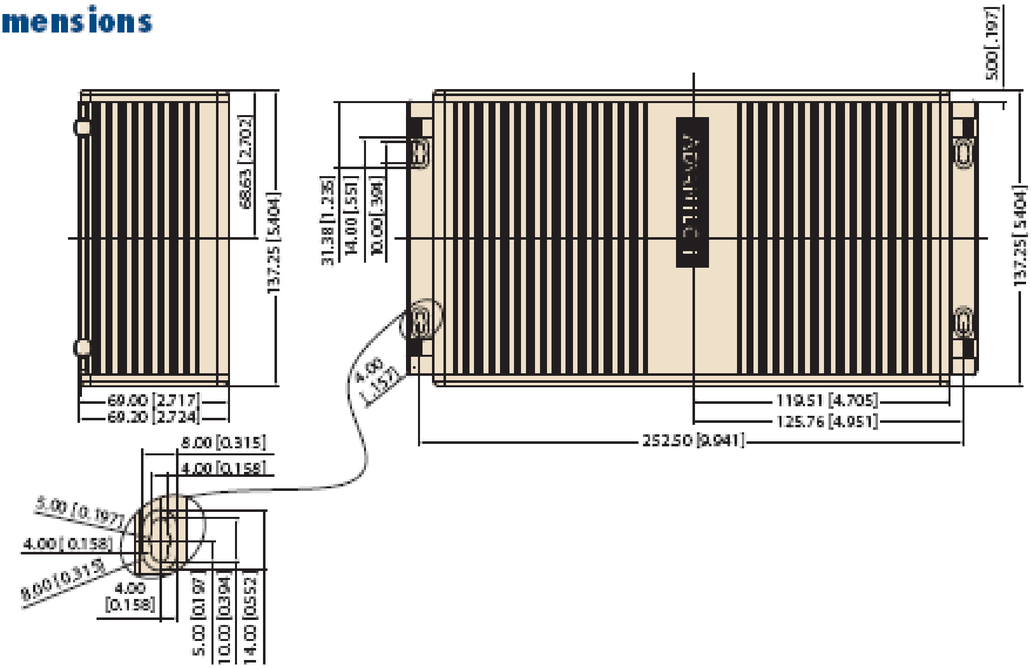
		ARK-3360F-N4A1E/ARK-3360F-D5A1E
Processor System	CPU	Intel Atom N450/D510
	Max. speed	1.66 GHz
	System Chipset	ICH8-M Chipset
	Front Side Bus	667 MHz
	BIOS	AMI 16 MB SPI BIOS
Memory	Technology	DDR2 667 MHz
	Max. Capacity	2 GB
	Socket	1 x 200-pin SODIMM
Graphics	Chipset	Intel 3.5 Gen Integrated Graphic Engine
	Interface	CRT Interface 18-bit LVDS interface (Optional)
Ethernet	LAN 1	10/100/1000 Mbps Ethernet controller, support Wake On LAN
	LAN 2	10/100/1000 Mbps Ethernet controller, support Wake On LAN
	LAN 3	10/100/1000 Mbps Ethernet controller, support Wake On LAN
Audio	Amplifier	-
	Interface	Line-in, Line-out, Mic-in
IO interface	Serial Interface	1 x RS-232, 3 x RS-232/422/485, 2 x RS-422/485 with 7.5Kv isolation protection & auto flow control
	USB Interface	6 x USB ports, Compliant with USB 2.0
Other	Digital I/O	8-bit DIO
	GPS	-
	Thermal alarm	-
	Watchdog timer	255-level timer interval, setup by software
Expansion	Mini PCI	1 x Mini PCI
	Mini PCIe	1 x Mini PCIe
Storage	HDD	Supports drive bay space for 1 x SATA 2.5" HDD (support 9.5 mm height only)
	SSD	Supports CompactFlash socket for type I/II CompactFlash disk
Software Support	Microsoft Windows	XP Professional, XP Embedded, Windows 7, WinCE 6.0
	Linux	Fedora 9.0
Power Requirement	Power Type	AT/ATX
	Power Input Voltage	12 V_{DC} – 24 V_{DC}
	Minimum Power Input	12V-24 V, 3.0A-1. 5A
	Power Adapter	AC to DC, DC19 V/3.42 A, 65 W(Optional)
Power Consumption	Typical	12 W
	Max.	16 W
Mechanical	Construction	Aluminum housing
	Mounting	DIN-rail mounting, Desk/wall-mounting
	Dimensions (W x H x D)	264.5 mm x 69.2 mm x 137.25 mm (10.41" x 2.72" x 5.4")
	Weight	2 kg (4.4 lb)
Environment	Operating Temperature	With extend temperature peripherals: -20 ~ 60° C (32 ~ 140° F) With 2.5-inch hard disk 0 to 45° C (32 ~ 112° F) , with air flow
	Storage Temperature	-40 ~ 85° C (-40 ~ 185° F)
	Relative Humidity	95% @ 40° C (non-condensing)
	Vibration Loading During Operation	With CompactFlash disk: 5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis. With 2.5-inch hard disk: 1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 Oct./min, 1 hr/axis.
	Shock During Operation	With CompactFlash disk: 50 G, IEC 60068-2-27, half sine, 11 ms duration With hard disk: 20 G, IEC 60068-2-27, half sine, 11 ms duration
	EMC	CE/FCC Class A, CCC, BSMI, KC
	Safety Certifications	UL, CCC, BSMI, KC

PRODUCT LIST

ARK-3360F

Dimensions

Unit mm (inch)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68.63 [2.702]
137.25 [5.404]
69.00 [2.717]
69.20 [2.724]
31.38 [1.235]
14.00 [.551]
10.00 [.394]
4.00 [.157]
137.25 [5.404]
119.51 [4.705]
125.76 [4.951]
252.50 [9.941]
8.00 [0.315]
4.00 [0.158]
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4.00 [0.158]
8.00 [0.315]
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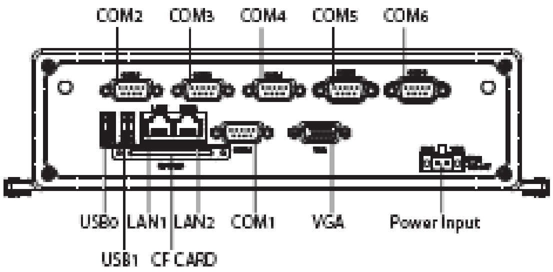
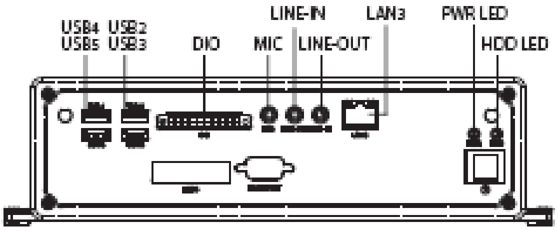
10.00 [0.394]
14.00 [0.552]

Front Panel External I/O Mechanical Layout/Drawing


COM2
COM3
COM4
COM5
COM6
USB0
LAN1
LAN2
COM1
VGA
Power Input
USB1
CF CARD

Rear Panel External I/O Mechanical Layout/Drawing


USB4
USB5
USB2
USB3
DIO
LINE-IN
MIC
LINE-OUT
LAN3
PWR LED
HDD LED

Packing List

Part Number	Description
-	1 x ARK-3360 Unit
-	1 x Driver/Utility CD/Manual
-	1 x User Manual (Simplified Chinese)
1700009001	1 x 2-pin Phoenix DC power connector

Ordering Information

Part Number	Description
ARK-3360F-N4A1E	Intel Atom N450 1.66 GHz Compact Box IPC, w/ 3 x GbE, 6 x USB 2.0, 6 x COM, 1x Mini PCIe, 1 x Mini PCI, VGA, DIO, Audio
ARK-3360F-D5A1E	Intel Atom D510 1.66 GHz Compact Box IPC, w/ 3 x GbE, 6 x USB 2.0, 6 x COM, 1x Mini PCIe, 1 x Mini PCI, VGA, DIO, Audio

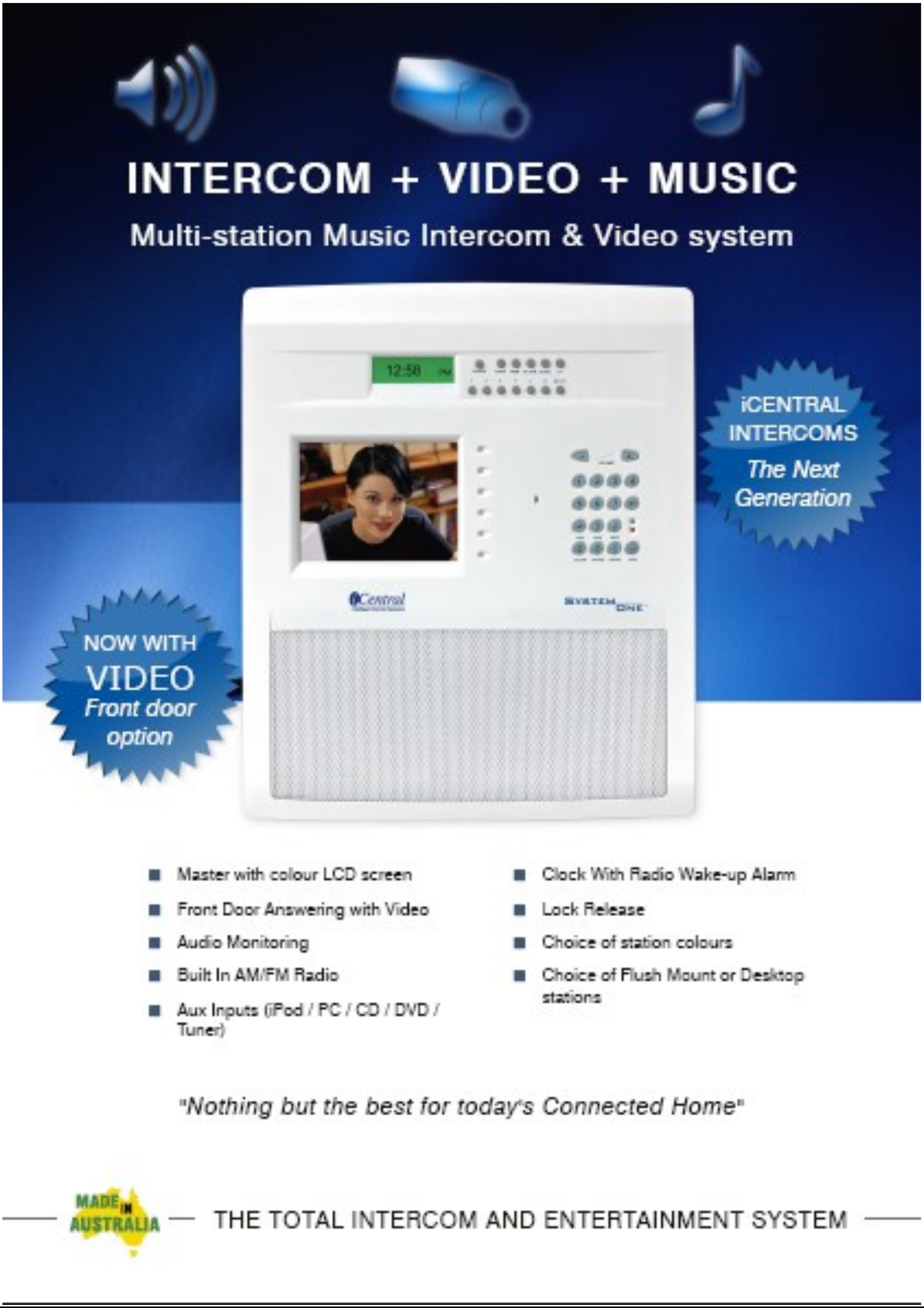
Optional Items

Part Number	Description
1757003659	AC-to-DC Adapter, DC19 V/3.42 A 65 W, with Phoenix Power Plug, 0 ~ 40° C for Home and Office Use
1700001947	Power cable 2-pin 180 cm, USA type
1700001948	Power cable 2-pin 180 cm, Europe type
1700001949	Power cable 2-pin 180 cm, UK type

Embedded OS

Part Number	Description
2070009030	XPE WES2009 V4.0 ENG
2070009031	XPE WES2009 V4.0 MUI24
2070009835	WES7E V5.0 ENG

PRODUCT LIST



INTERCOM + VIDEO + MUSIC

Multi-station Music Intercom & Video system

iCENTRAL INTERCOMS
The Next Generation

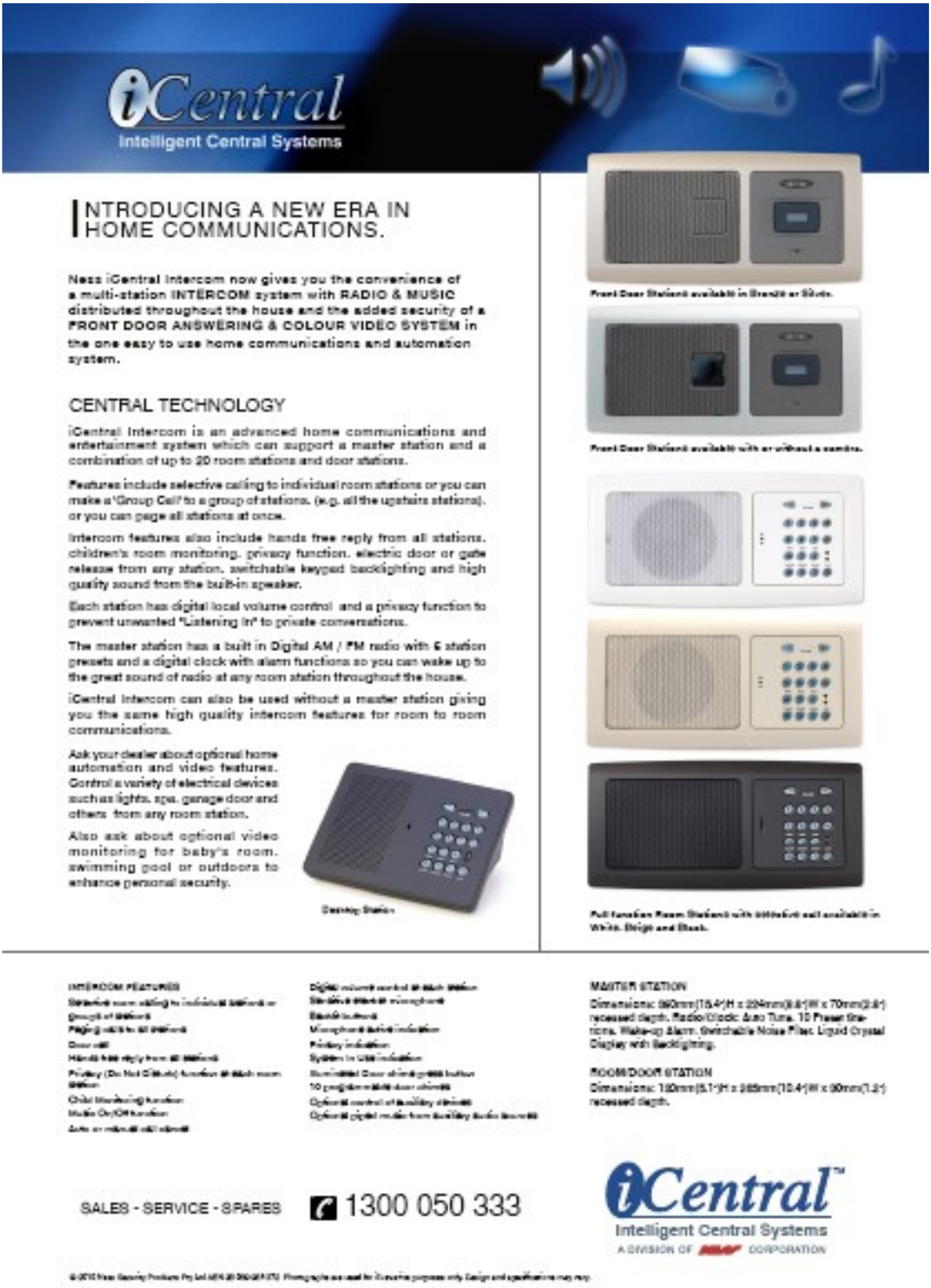
NOW WITH
VIDEO
Front door option

- Master with colour LCD screen
- Front Door Answering with Video
- Audio Monitoring
- Built In AM/FM Radio
- Aux Inputs (iPod / PC / CD / DVD / Tuner)
- Clock With Radio Wake-up Alarm
- Lock Release
- Choice of station colours
- Choice of Flush Mount or Desktop stations

"Nothing but the best for today's Connected Home"

MADE IN AUSTRALIA — THE TOTAL INTERCOM AND ENTERTAINMENT SYSTEM

PRODUCT LIST



iCentral
Intelligent Central Systems

INTRODUCING A NEW ERA IN HOME COMMUNICATIONS.

Ness iCentral Intercom now gives you the convenience of a multi-station INTERCOM system with RADIO & MUSIC distributed throughout the house and the added security of a FRONT DOOR ANSWERING & COLOUR VIDEO SYSTEM in the one easy to use home communications and automation system.

CENTRAL TECHNOLOGY

iCentral Intercom is an advanced home communications and entertainment system which can support a master station and a combination of up to 20 room stations and door stations.

Features include selective calling to individual room stations or you can make a 'Group Call' to a group of stations. (e.g. all the upstairs stations). or you can page all stations at once.

Intercom features also include hands free reply from all stations. children's room monitoring. privacy function. electric door or gate release from any station. switchable keypad backlighting and high quality sound from the built-in speaker.

Each station has digital local volume control and a privacy function to prevent unwanted "Listening In" to private conversations.

The master station has a built in Digital AM / FM radio with 6 station presets and a digital clock with alarm functions so you can wake up to the great sound of radio at any room station throughout the house.

iCentral Intercom can also be used without a master station giving you the same high quality intercom features for room to room communications.

Ask your dealer about optional home automation and video features. Control a variety of electrical devices such as lights. spa. garage door and others from any room station.

Also ask about optional video monitoring for baby's room. swimming pool or outdoors to enhance personal security.

Desktop Station

Front Door Stations available in Bronze or Silver.

Front Door Stations available with or without a camera.

Full function Room Stations with selective call available in White. Beige and Black.

INTERCOM FEATURES
Selective room calling to individual stations or groups of stations
Paging calls to all stations
Door call
Hands free reply from all stations
Privacy (Do Not Disturb) function at each room station
Child Monitoring function
Music On/Off function
Auto or manual call cancel

Digital volume control at each station
Sensitive electret microphone
Backlit buttons
Microphone active indication
Privacy indication
System in Use indication
Illuminated Door chime/press button
10 programmable door chimes
Optional control of auxiliary devices
Optional digital music from auxiliary audio sources

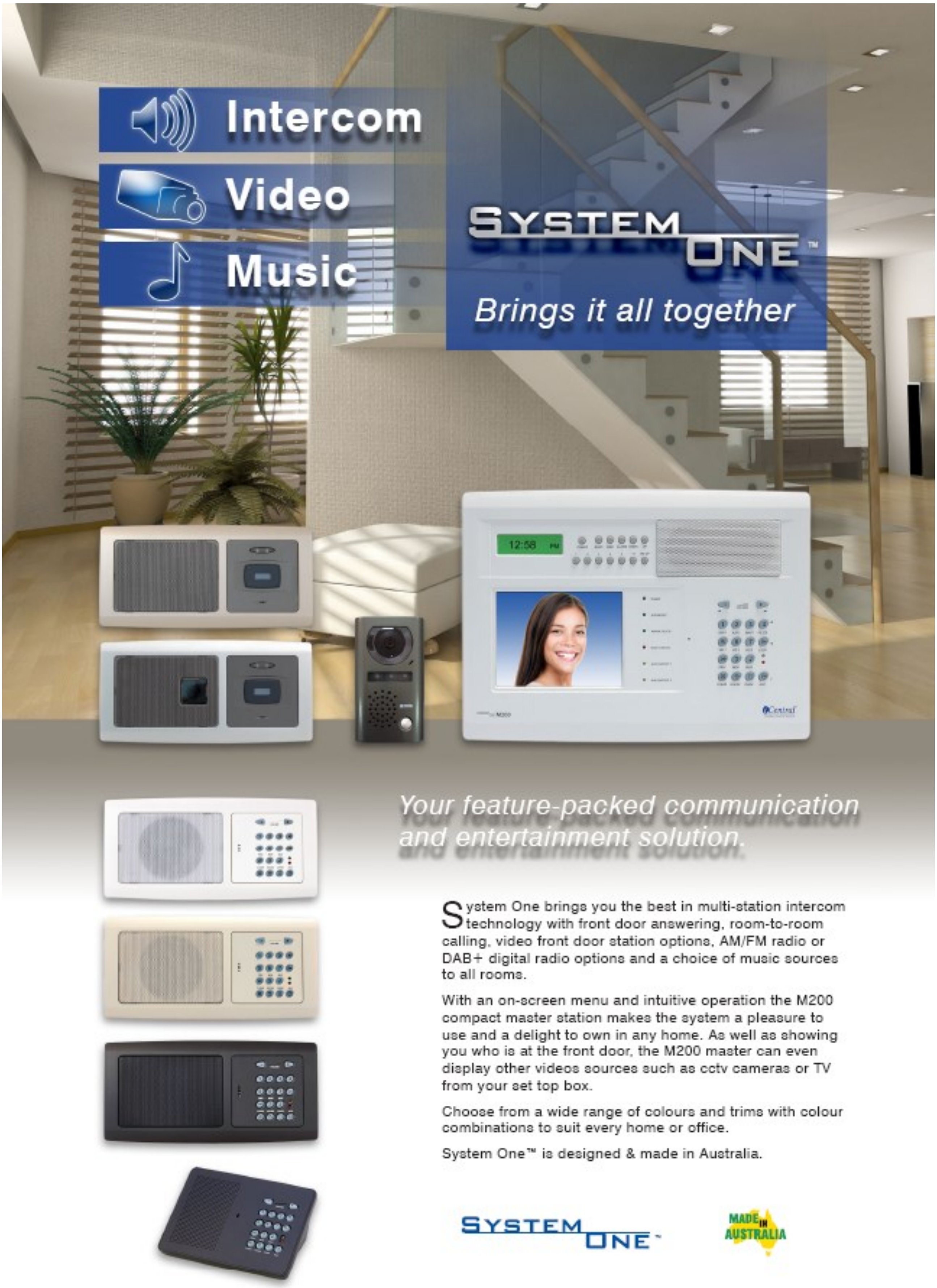
MASTER STATION
Dimensions: 390mm(15.4")H x 224mm(8.8")W x 70mm(2.8") recessed depth. Radio/Clock: Auto Tune. 10 Preset Stations. Wake-up Alarm. Switchable Noise Filter. Liquid Crystal Display with Backlighting.

ROOM/DOOR STATION
Dimensions: 130mm(5.1")H x 265mm(10.4")W x 30mm(1.2") recessed depth.

SALES - SERVICE - SPARES ☎ 1300 050 333

iCentral™
Intelligent Central Systems
A DIVISION OF NESS CORPORATION

PRODUCT LIST


Intercom
Video
Music
SYSTEM ONE™
Brings it all together
12:58

Your feature-packed communication and entertainment solution.

System One brings you the best in multi-station intercom technology with front door answering, room-to-room calling, video front door station options, AM/FM radio or DAB+ digital radio options and a choice of music sources to all rooms.

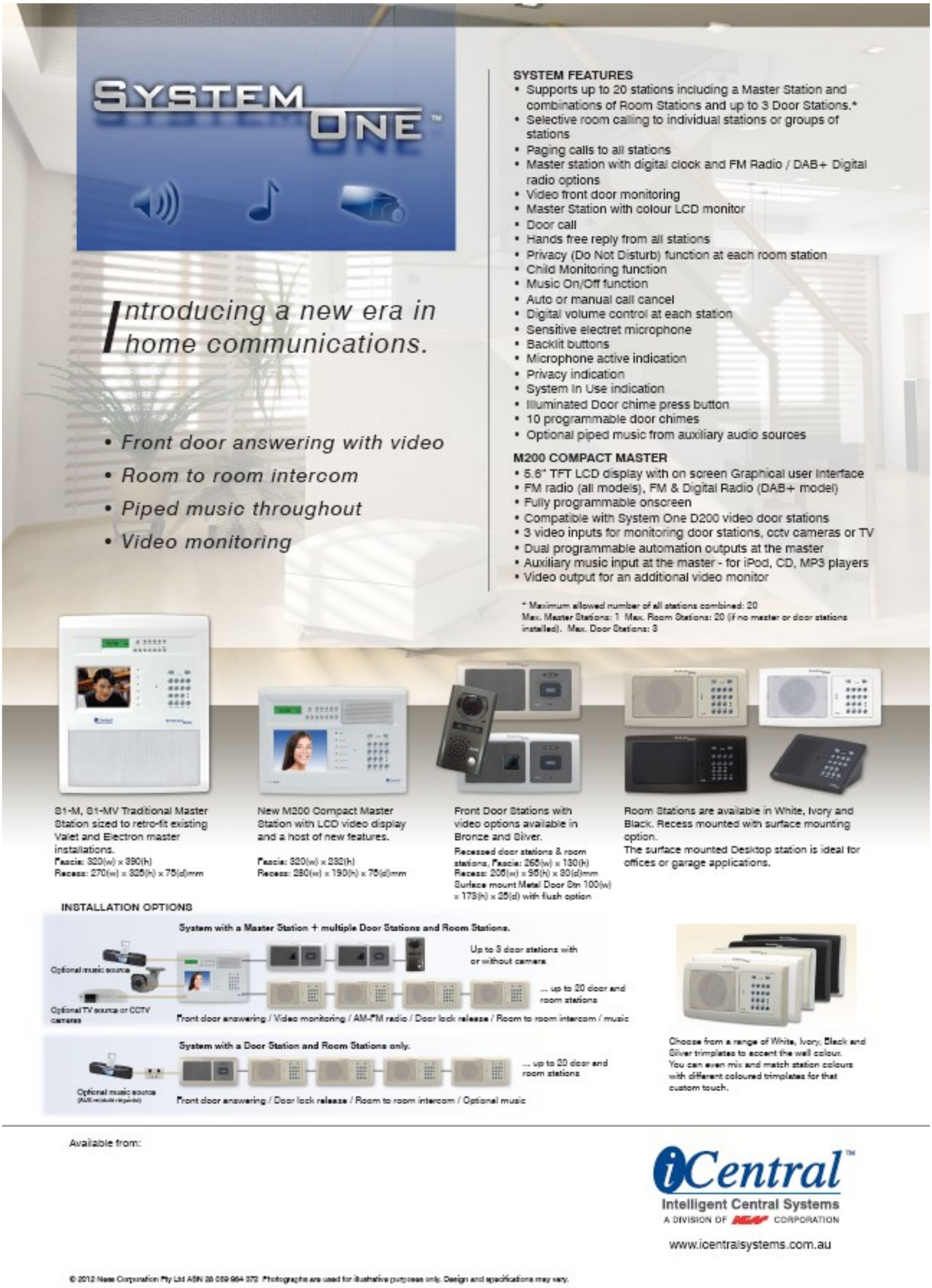
With an on-screen menu and intuitive operation the M200 compact master station makes the system a pleasure to use and a delight to own in any home. As well as showing you who is at the front door, the M200 master can even display other videos sources such as cctv cameras or TV from your set top box.

Choose from a wide range of colours and trims with colour combinations to suit every home or office.

System One™ is designed & made in Australia.

SYSTEM ONE™
MADE IN AUSTRALIA

PRODUCT LIST



SYSTEM ONE™

Introducing a new era in home communications.

- *Front door answering with video*
- *Room to room intercom*
- *Piped music throughout*
- *Video monitoring*

SYSTEM FEATURES

- Supports up to 20 stations including a Master Station and combinations of Room Stations and up to 3 Door Stations.*
- Selective room calling to individual stations or groups of stations
- Paging calls to all stations
- Master station with digital clock and FM Radio / DAB+ Digital radio options
- Video front door monitoring
- Master Station with colour LCD monitor
- Door call
- Hands free reply from all stations
- Privacy (Do Not Disturb) function at each room station
- Child Monitoring function
- Music On/Off function
- Auto or manual call cancel
- Digital volume control at each station
- Sensitive electret microphone
- Backlit buttons
- Microphone active indication
- Privacy indication
- System In Use indication
- Illuminated Door chime press button
- 10 programmable door chimes
- Optional piped music from auxiliary audio sources

M200 COMPACT MASTER

- 5.6" TFT LCD display with on screen Graphical user Interface
- FM radio (all models), FM & Digital Radio (DAB+ model)
- Fully programmable onscreen
- Compatible with System One D200 video door stations
- 3 video inputs for monitoring door stations, cctv cameras or TV
- Dual programmable automation outputs at the master
- Auxiliary music input at the master - for iPod, CD, MP3 players
- Video output for an additional video monitor

* Maximum allowed number of all stations combined: 20
Max. Master Stations: 1 Max. Room Stations: 20 (if no master or door stations installed). Max. Door Stations: 3

S1-M, S1-MV Traditional Master Station sized to retro-fit existing Valet and Electron master installations.
Fascia: 320(w) x 390(h)
Recess: 270(w) x 325(h) x 75(d)mm

New M200 Compact Master Station with LCD video display and a host of new features.

Fascia: 320(w) x 232(h)
Recess: 280(w) x 190(h) x 75(d)mm

Front Door Stations with video options available in Bronze and Silver.
Recessed door stations & room stations, **Fascia:** 265(w) x 130(h)
Recess: 206(w) x 96(h) x 30(d)mm
Surface mount Metal Door Stn 100(w) x 173(h) x 25(d) with flush option

Room Stations are available in White, Ivory and Black. Recess mounted with surface mounting option.
The surface mounted Desktop station is ideal for offices or garage applications.

INSTALLATION OPTIONS

System with a Master Station + multiple Door Stations and Room Stations.

Optional music source

Optional TV source or CCTV cameras

Up to 3 door stations with or without camera

... up to 20 door and room stations

Front door answering / Video monitoring / AM-FM radio / Door lock release / Room to room intercom / music

System with a Door Station and Room Stations only.

Optional music source
(AUX module required)

... up to 20 door and room stations

Front door answering / Door lock release / Room to room intercom / Optional music

Choose from a range of White, Ivory, Black and Silver trimplates to accent the wall colour.
You can even mix and match station colours with different coloured trimplates for that custom touch.

Available from:

iCentral™
Intelligent Central Systems
A DIVISION OF NESS CORPORATION

www.icentralsystems.com.au

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PRODUCT LIST

10.2
10.2 PREMIUM VIDEO INTERCOM SYSTEM
iCentral

10.2 Premium Video Intercom System

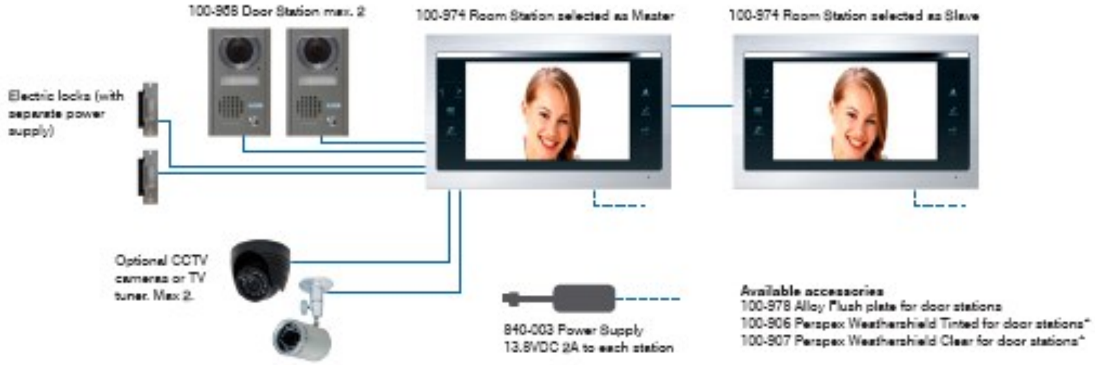
DOOR STATION

- Zinc Alloy, surface mount
- 1/4 inch colour CCD camera
- Resolution: 420TV Lines
- 4-wire twisted pair connection
- Waterproof Vandal Resistant alloy housing
- Built-in automatic 3 x LED lighting for night vision
- 68 degree wide angle field of view
- Minimum illumination 1.0 lux
- Compatible with Four Plus & 10.2 intercom systems
- Dimensions: 98 (W) x 173 (H) x 25 (D)
- Part No. 100-958

ROOM STATION

- Slimline surface mounted Monitor/Room Station
- 10 inch colour LCD display
- Touch sensitive glass buttons
- Supports up to two video Door Stations and up to two video Room Stations
- Make intercom calls between two Room Stations
- Transfer door calls between Room Stations
- Monitor up to two optional CCTV cameras or other video input
- Do Not Disturb function
- Electric door lock release from Room Stations
- Adjustable Colour/Contrast/Brightness/Ring Volume
- Choice of 12 door bell chimes
- Master/Slave selectable
- Dimensions: 334 (W) x 210 (H) x 25 (D)
- Part No. 100-974

System Configuration


100-958 Door Station max. 2
100-974 Room Station selected as Master
100-974 Room Station selected as Slave
Electric locks (with separate power supply)
Optional CCTV cameras or TV tuner. Max 2.
840-003 Power Supply
13.8VDC 2A to each station

Available accessories
100-978 Alloy Flush plate for door stations
100-906 Perspex Weathershield Tinted for door stations*
100-907 Perspex Weathershield Clear for door stations*

Door station/s to Room Station/s minimum wiring requirements: 4 core screened cable (100-960) + RG59 coax, star wired to master. In some installations the 100-958 Video Door Station may have audio feedback when used with a weathershield. A simple modification to the microphone gain is available - please ask when ordering.

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PRODUCT LIST

Z-VIEW

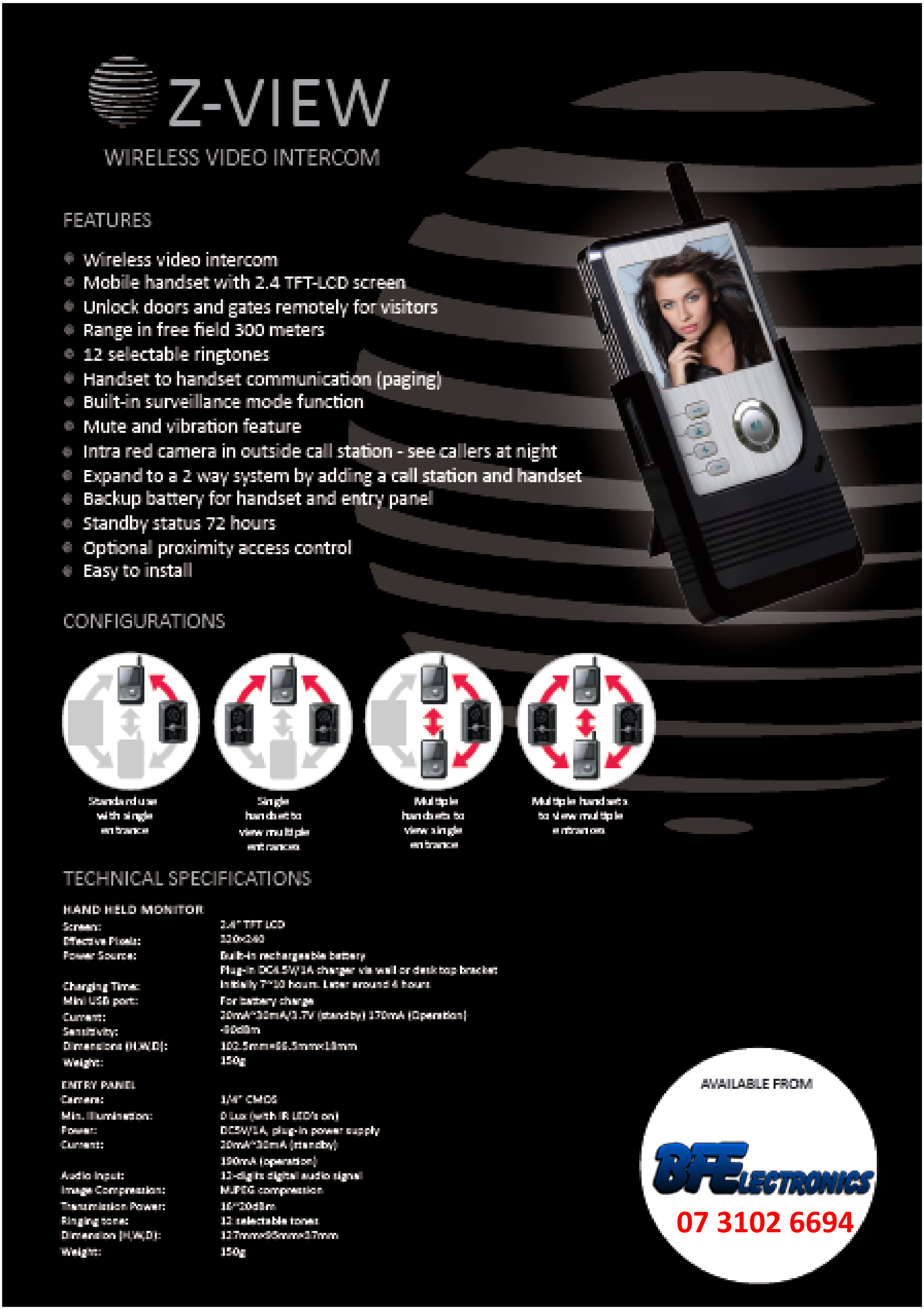
WIRELESS VIDEO INTERCOM

The OZ-VIEW wireless colour video intercom system comprises of a stylish weatherproof external call station together with a modern portable hands-free monitor

Also available with proximity access control

QUALITY AND RELIABILITY FROM THE INNOVATORS IN WIRELESS SECURITY AND SAFETY EQUIPMENT

PRODUCT LIST



Z-VIEW

WIRELESS VIDEO INTERCOM

FEATURES

- Wireless video intercom
- Mobile handset with 2.4 TFT-LCD screen
- Unlock doors and gates remotely for visitors
- Range in free field 300 meters
- 12 selectable ringtones
- Handset to handset communication (paging)
- Built-in surveillance mode function
- Mute and vibration feature
- Intra red camera in outside call station - see callers at night
- Expand to a 2 way system by adding a call station and handset
- Backup battery for handset and entry panel
- Standby status 72 hours
- Optional proximity access control
- Easy to install

CONFIGURATIONS

Standard use with single entrance

Single handset to view multiple entrances

Multiple handsets to view single entrance

Multiple handsets to view multiple entrances

TECHNICAL SPECIFICATIONS

HAND HELD MONITOR

Screen:	2.4" TFT LCD
Effective Pixels:	320x240
Power Source:	Built-in rechargeable battery Plug-in DC4.5V/1A charger via wall or desk top bracket
Charging Time:	Initially 7~10 hours. Later around 4 hours
Mini USB port:	For battery charge
Current:	20mA~30mA/3.7V (standby) 170mA (Operation)
Sensitivity:	-80dBm
Dimensions (H,W,D):	102.5mmx66.5mmx18mm
Weight:	150g

ENTRY PANEL

Camera:	1/4" CMOS
Min. Illumination:	0 Lux (with IR LED's on)
Power:	DC5V/1A, plug-in power supply
Current:	20mA~30mA (standby) 190mA (operation)
Audio Input:	12-digits digital audio signal
Image Compression:	MJPEG compression
Transmission Power:	16~20dBm
Ringing tone:	12 selectable tones
Dimension (H,W,D):	127mmx95mmx37mm
Weight:	150g

AVAILABLE FROM

BFElectronics

07 3102 6694

AIPHONE

JK SERIES 170°

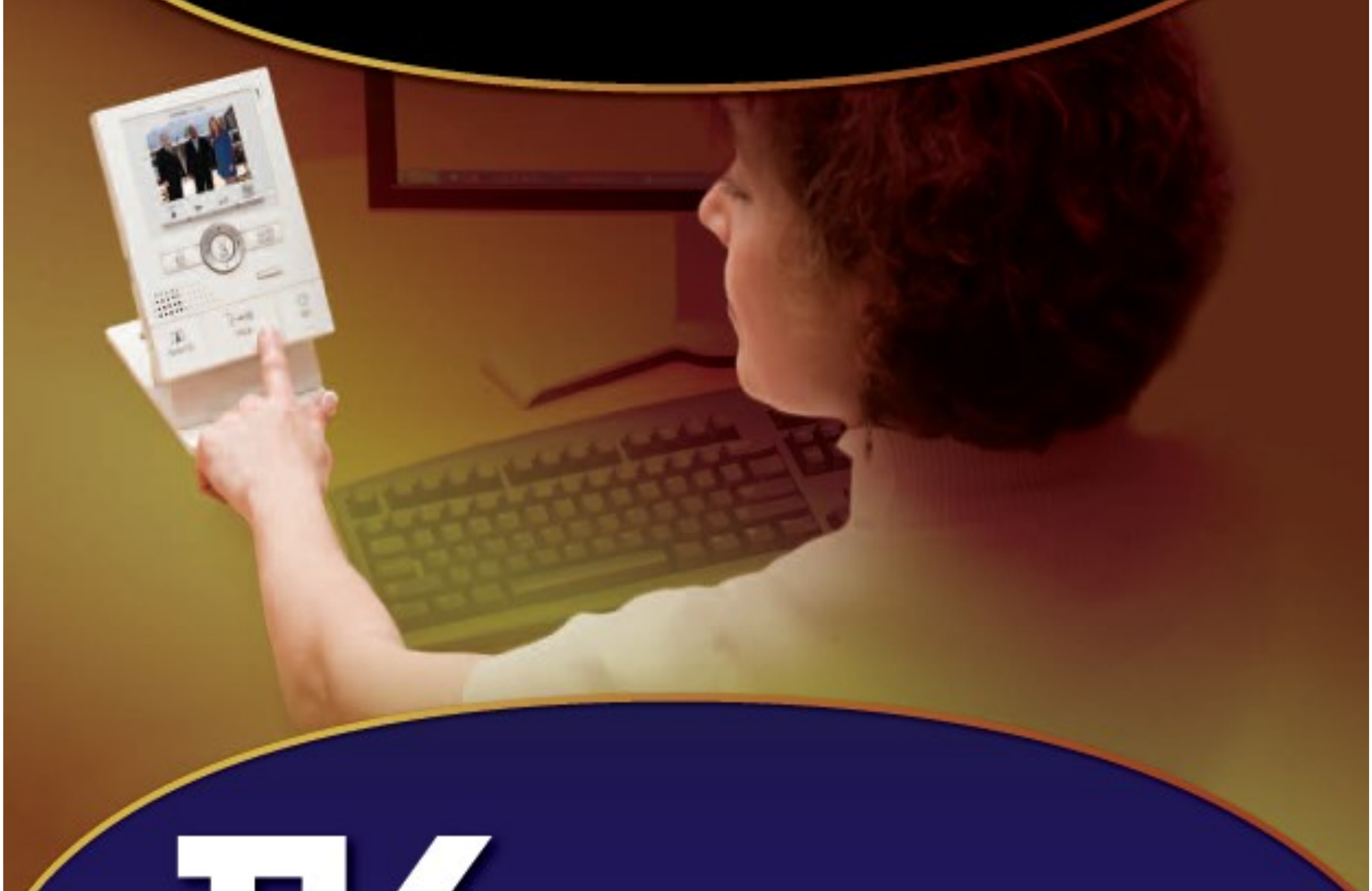
with PanTilt & Zoom

WIDEST
CAMERA VIEW
IN THE INTERCOM INDUSTRY!!

AIPHONE JK-1MED
REC
ZOOM
WIDE
CALL
ADJUST
MONITOR
TALK
OFF

Provides easy visitor identification while REMAINING SAFE behind locked doors

COMPLETE
Access Control Systems
with a simple solution...



JK SERIES 170°

GREAT *for*

Single-Family **Homes** &

Small-to-Mid Sized **Buildings**

It all begins with the **DOOR STATION.**

JK door stations are equipped with a **170°** wide angle camera, the first in the intercom industry to provide a view of the *entire* entrance!

JK-DA

JK-DV

JK-DVF

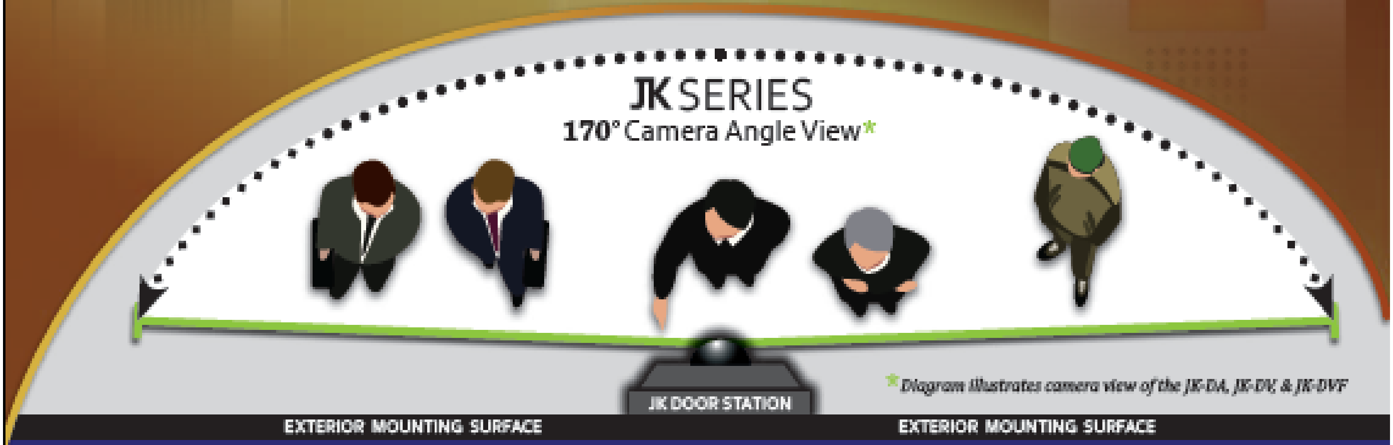

JK SERIES
170° Camera Angle View*
JK DOOR STATION
EXTERIOR MOUNTING SURFACE
EXTERIOR MOUNTING SURFACE

*Diagram illustrates camera view of the JK-DA, JK-DV, & JK-DVF

Choose from 3 designs to best suit the security application.

JK-DA Door Station

- Surface mount
- Weather resistant
- Plastic cover

Dimensions:
5 1/8" H 3 7/8" W 1 7/16" D

JK-DV Door Station

- Surface mount
- Weather & vandal resistant
- Aluminum die cast cover

Dimensions:
6 13/16" H 3 7/8" W 1" D

JK-DVF Door Station

- Flush mount
- Weather & vandal resistant
- Stainless steel cover

Dimensions:
8 1/4" H 5 5/16" W 1 7/8" D

JK door stations are a great way to protect main & secondary entrances, employee access points, gates, service areas, loading docks, parking garages, & much more!

Choose from 2 video master & 2 sub master designs.

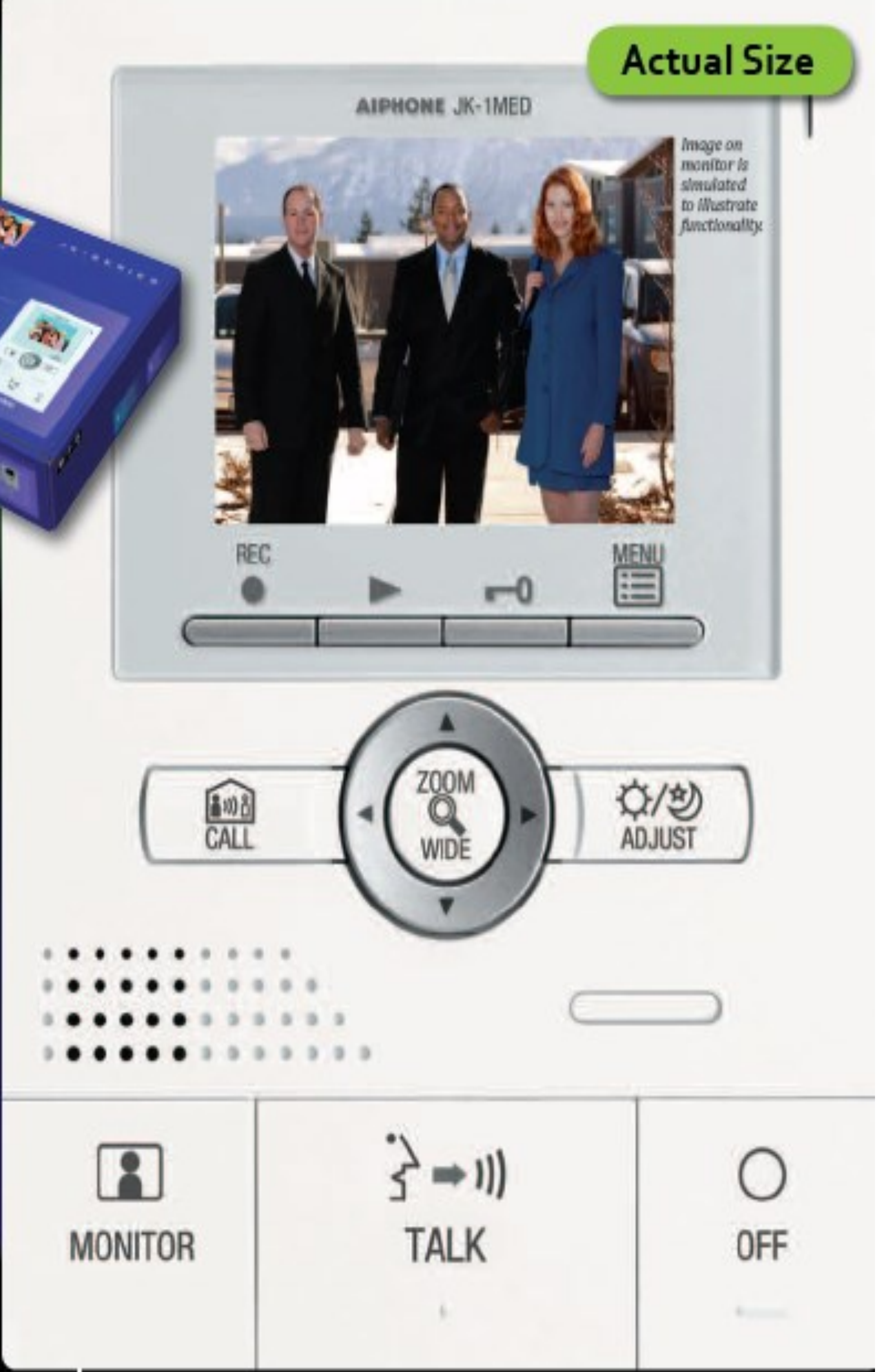

Actual Size
AIPHONE JK-1MED
REC
MENU
CALL
ZOOM
WIDE
ADJUST
MONITOR
TALK
OFF

Image on monitor is simulated to illustrate functionality.

JK BOXED SETS

Each set includes 1 master station, 1 door station, & 1 power supply

with Picture Memory

JKS-1AED: JK-1MED + JK-DA + power supply
JKS-1AEDV: JK-1MED + JK-DV + power supply
JKS-1AEDF: JK-1MED + JK-DVF + power supply

without Picture Memory

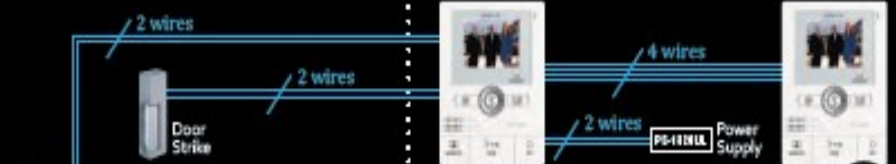
JKS-1AD: JK-1MD + JK-DA + power supply
JKS-1ADV: JK-1MD + JK-DV + power supply
JKS-1ADF: JK-1MD + JK-DVF + power supply

WIRING EXAMPLE*

**Diagram is for illustrative purposes only. System wiring may vary by installation! Refer to instruction manual for actual wire count & installation directions.*

DOOR 1 Door Station *(for exterior)*

MK 2 Master Stations *(for interior)*


2 wires
2 wires
Door Strike
4 wires
2 wires
PS-1820UL
Power Supply

JK-DVF JK-DV JK-DA

JK-1MED Master Station*
- *Picture Memory* - up to 240 images!
- Wall or desk mount
  (Use MCW-S/A for desk mounting)

**Also available without Picture Memory:* JK-1MD

Dimensions (JK-1MED & JK-1MD):
7 5/16"H 5 5/16"W 1 1/16"D

JK-1HD Sub Master Station
- Wall or desk mount
  (Use MCW-S/A for desk mounting)

Dimensions:
7 5/16"H 5 5/16"W 1 1/16"D

JK-1SD Audio Only Sub Master Station
- Wall mount

Dimensions:
7 5/16"H 3 1/8"W 1 1/16"D

Picture Memory*

Record up to 240 images!

40 image sequences at 6 frames per sequence.

Automatically records in both ***ZOOM & WIDE*** views.

*JK-1MED only.

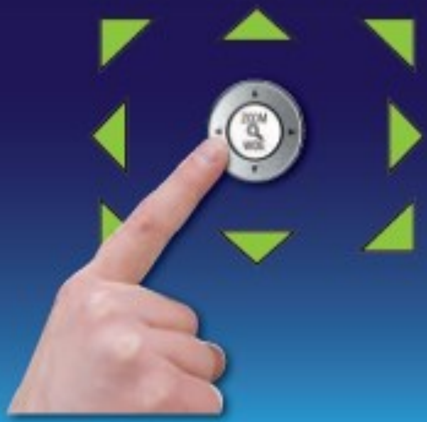
Zoom View

Wide View

PanTilt & Zoom

ZOOM IN or ***ZOOM OUT*** to identify everyone at the entrance.

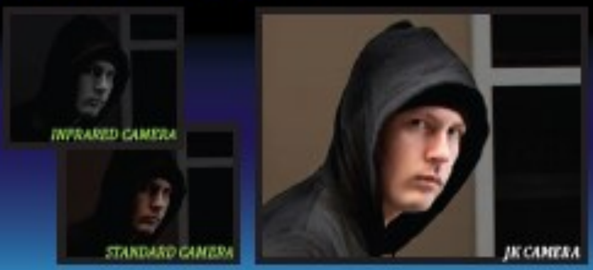
PANTILT to see individuals up close.



Greater detail is just ONE PUSH away!

Full Color Video

Most cameras don't provide the image quality the camera in each JK door station captures... ***especially at night!***

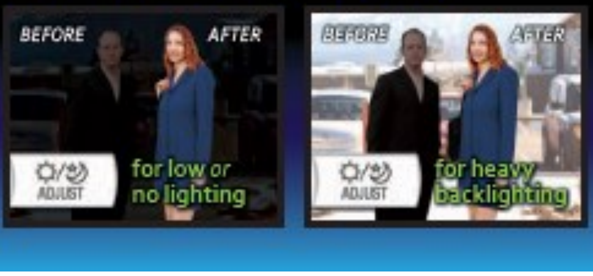


See the DIFFERENCE!

INFRARED CAMERA
STANDARD CAMERA
JK CAMERA

Monitor Adjust

Monitors can be adjusted for low light & nighttime settings, as well as bright & heavy backlighting.

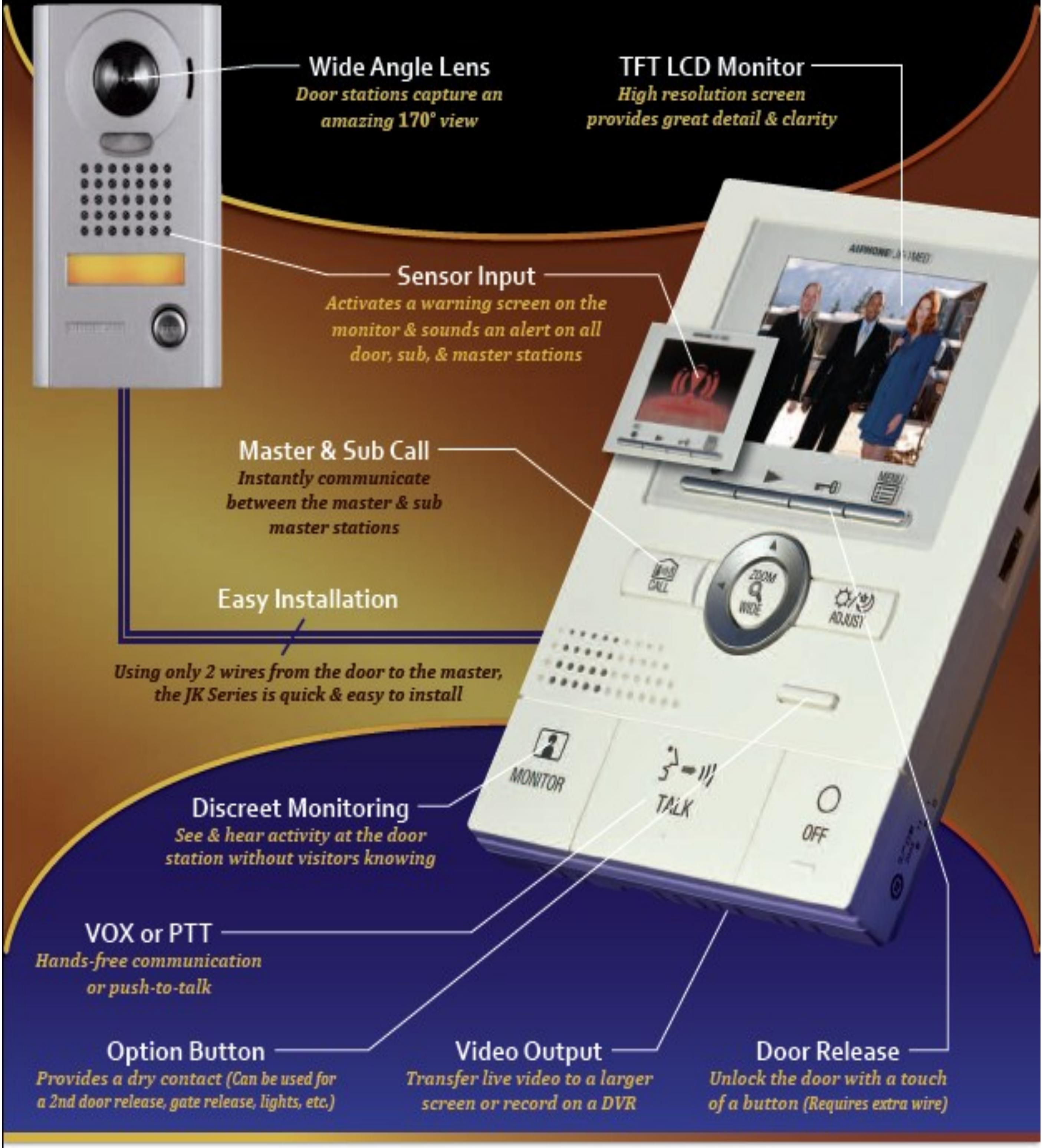


Clear video at ANYTIME of day!

BEFORE
AFTER
ADJUST
for low or no lighting
BEFORE
AFTER
ADJUST
for heavy backlighting

JK SYSTEM *features*

DOOR 1 ▶ INSIDE 2



Wide Angle Lens
Door stations capture an amazing 170° view

TFT LCD Monitor
High resolution screen provides great detail & clarity

Sensor Input
Activates a warning screen on the monitor & sounds an alert on all door, sub, & master stations

Master & Sub Call
Instantly communicate between the master & sub master stations

Easy Installation
Using only 2 wires from the door to the master, the JK Series is quick & easy to install

Discreet Monitoring
See & hear activity at the door station without visitors knowing

VOX or PTT
Hands-free communication or push-to-talk

Option Button
Provides a dry contact (Can be used for a 2nd door release, gate release, lights, etc.)

Video Output
Transfer live video to a larger screen or record on a DVR

Door Release
Unlock the door with a touch of a button (Requires extra wire)

Distributed by:

# 91263
JK Product Brochure 8/09 *Printed in the USA*

GSA Schedule
GS-35F-0085L

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www.aiphone.com

PRODUCT LIST

AIPHONE®

LEF Series

Loud Speaking Intercom System

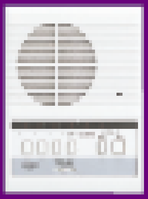
2 year warranty

Multi-station Open Voice Intercom

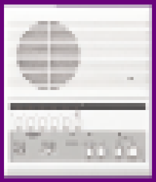
PRODUCT LIST

LEF Audio Intercom

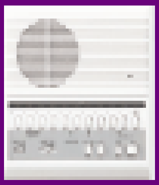
Loudspeaking Intercom



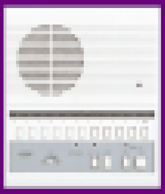
LEF-3
3-call master station.



LEF-5
5-call master station.



LEF-10
10-call master station.



LEF-10S
10-call master station with All Call.

Features

- All master configuration, 4, 6 and 11 stations.
- Can be looped or star wired.
- Weather resistant door stations (up to ten door).
- Door release option (not available on LEF 3).
- Can be integrated with pan/tilt video monitors.
- Background music and all call option (all call only on LEF 10S).
- Desk mounting accessories available.

Cables

Refer to your dealer for cable specifications.

Specifications

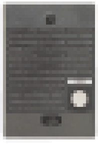
Power Source	12 V DC. 300mA per station.	
Power Supply	PS122.	
Wiring	Multi-pair screened cable.	
Distance		
Diameter	0.65 mm	0.8 mm
LEF series	200 m	300 m

Terminal Boxes for Desk Mounting

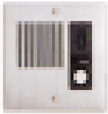
LEW5	for LEF5
LEW10	for LEF10
LEW10S	for LEF10S

NB. When desk mounting kits are used, it is not possible to connect to video door stations and multiple door release controls.

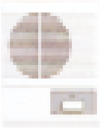
Additional Options



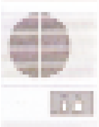
LE-D
Weatherproof door station.



LE-DA
Flush mount weatherproof door station.



LE-A
Sub station.



LE-AN
Sub station with privacy.

BG-10C
All call, chime and BGM adaptor.

RYPA
Door release relay.

Your local Aiphone reseller:

2 year warranty

COMMUNICATION SYSTEMS
AIPHONE®
HOME, BUSINESS, INDUSTRY

PRODUCT LIST

HOUSE AUDIO DOOR PHONE

Security intercom systems for homes and offices, includes electric call chimes and a slim-line design to match any interior.

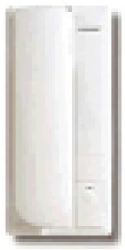
DP2KN FEATURES

- Xylophone chime with
- volume control
- Modern design with 2 wires Door release button

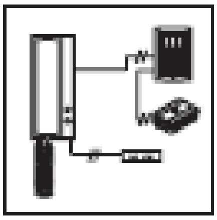
commax

PRODUCT LIST

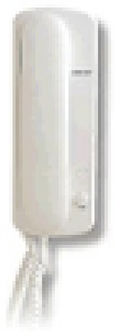
DP2KN *Single Room Station*



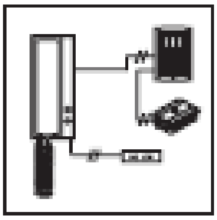
- Audio Handset
- Door release button
- Xylophone chime with volume control
- 12V DC Power
- Extra Handset Attachable
- Dimension: 99.5(W)x215(H)x70(D)mm



DP201RN *Single Room Station*



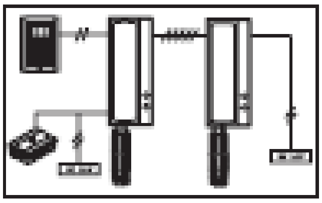
- Audio Handset
- Door release button
- Xylophone chime with volume control
- 12V DC Power
- Extra Handset Attachable
- Dimension: 86(W)x235(H)x70(D)mm



DPRA01 *Multi Room Station*

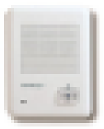
DP-RA01

- Two room station for house intercom
- Tremolo sound for intercom system
- 12V DC Power
- Dimension: 86(W)x235(H)x70(D)mm



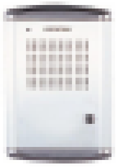
OUTDOOR STATIONS

DR-201D/DS



- Surface Mount
- Plastic Cover

DR-2A

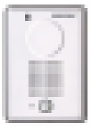


- Flush Mount
- Heavy Duty
  Aluminum Cover

DR-201A/AS

- Flush Mount
- Aluminum Cover

DR-20S



- Surface Mount
- Aluminum Cover

SPECIFICATIONS

MODEL	DP2KN/DP201RN	DPRA01
Power	12V DC	
Power Consumption	45mA	
Distance	150m /0.65mm	150M/0.65
Wiring	Sub: 2 Wires Door release: 2 wires from Door	Sub: 2 Wires Door release: 2 wires from Handset Interphone: 4 wires
Sound	Xylophone Chime	Xylophone Chime Room to Room Tremolo
Available Door Station	DR201DS DR201AS	DR201D DR201A DR20S DR2A

PRODUCT LIST

dallas delta corporation pty. ltd.

SENTINEL doorstation mkI

For secure remote access entry.

SENTINEL
Doorstation
WELCOME TO DALLAS DELTA
CORPORATION PTY. LTD.
1 2 3
4 5 6
7 8 9
* 0 #
DALLAS DELTA CORPORATION
N722

dallas delta
corporation pty. ltd.

N722

versatile

easy to use

durable

dependable

The **Sentinel** is designed for unguarded apartment and office buildings. It offers secured entry intercom, code access door release, and an intelligent telephone all in the one unit, with auto answer and termination of calls. Occupants can communicate with visitors and allow keyless entry. Its non-volatile memory is capable of storing up to 355 phone numbers.

The **Sentinel** gives occupants of apartment and office buildings a safe means to communicate with visitors and a secure way of allowing entry.

The **Sentinel** is suitable for premises where there is a constant need for entry and exit. There is no special equipment required at the apartment end as visitors enter the occupants apartment number and press the '#' key, the occupant takes the call on their normal telephone. Entering the access code by way of the telephone keypad, the occupant may then release the door or gate.

features:

- 355 phone number capacity, 16 digits maximum
- keyless door entry
- 2 on board relays with unique codes *(optional)*
- dual line LCD with back light
- non volatile memory
- backup battery circuitry
- programmable company logo / building name
- auto hang up and auto answer facilities
- flexible 1 to 4 digit room numbers
- 250 keyless access codes, 6 digit maximum
- half duplex hands free operation
- loud speaker output of 1 watt peak
- one telephone line required *(and power pack supplied)*
- remote operating features *(speaker and mic level control)*
- dual remote relay activation *(door/gate release)*
- local and remote programming facilities
- optional *no bill interface* available
- secure and simple to use
- vandal resistant
- weather shielded *(optional)*

easy to use:

Occupants have an extra benefit, *Keyless Entry*, by entering their access code at the **Sentinel** to open the door or gate. The system operates over the PSTN or a PABX, with the only costs being a line rental and local call costs if connected to the PSTN or at no extra costs on an existing internal PABX system. Now available for the **Sentinel** is the ***No Bill Interface*** which cuts out the local call costs when not connected to a PABX. When compared to the cost of a dedicated intercom system, with the extra cabling and equipment required at each apartment or office and the ongoing maintenance costs, the **Sentinel** wins hands down. The **Sentinel** can also be ordered as a vertical mount unit.

PRODUCT LIST

dallas delta corporation pty. ltd.

SENTINEL doorstation mkI

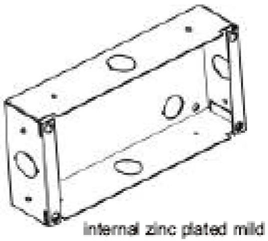
specifications:

power:	input voltage	9 Volts *(minimum)* - 24 Volts *(maximum) DC* 9 Volts *(minimum)* - 16 Volts *(maximum) AC* *note: a minimum of 17 volts is required for backup battery systems*
current consumption:	idle mode on call	65mA @ 12Vdc 160mA @ 12Vdc *(maximum speaker volume)*
backup battery:		12V @ 7A/hours *maximum (optional)*
relay contacts:	switching maximum	1A @ 60Vdc / 40Vac SELV or TNV voltage free outputs, non-inductive load
temperature:	operating range	0°C to +70°C
SPL:	speaker output level	>78dBa @ 1 metre
communication:	remote codes	standard tone type, DTMF
	line	single telecommunication pair or *No Bill Interface*
physical:	panel dimensions (mm) wall cut-out (mm) weight (kg)	270.0 x 130.0 225.0 x 115.0 x 40.0 1.0 *(excluding power pack)*

~ This unit must be installed by qualified personnel ~

enclosures: *(optional)*

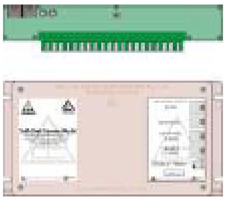
external stainless steel enclosure



internal zinc plated mild steel flush mount enclosure

The **Sentinel** Doorstation boasts a vandal resistant, robust stainless steel housing. For in-wall installations the flush mount box is extremely handy. This allows the unit to be recessed into the wall. Mounting of your telephone can be easily made to just about any surface thanks to these versatile enclosures.

no bill interface: *(optional)*



Now Dallas Delta has produced a No Bill Interface for the **Sentinel**, this means that the Sentinel no longer requires a dedicated PSTN line and therefore there are no costs for calls made from the **Sentinel**. *(refer to No Bill Interface brochure for further details).*

lift interface: *(optional)*

The Lift Interface and relay unit will only allow access to the correct floor when the tenant has remotely issued the gate open command for the awaiting guest.

PRODUCT LIST

GPS/GSM/GPRS Vehicle&Personal tracker

MT90

The latest tracker from the manufacturer

5years warranty

SOS
GPS
TRACKER

Features:

Waterproof IP66
Long standby time
Listening in (voice monitoring)
8MB flash memory
Built-in motion sensor
Mileage Report
Cell ID
SOS button in case of emergency
SMS sent to smartphone with link to Google Maps

PRODUCT LIST

Applications:

Personal Tracking and Protection
Pet Tracking
Assets Tracking and Security
Vehicle Tracking

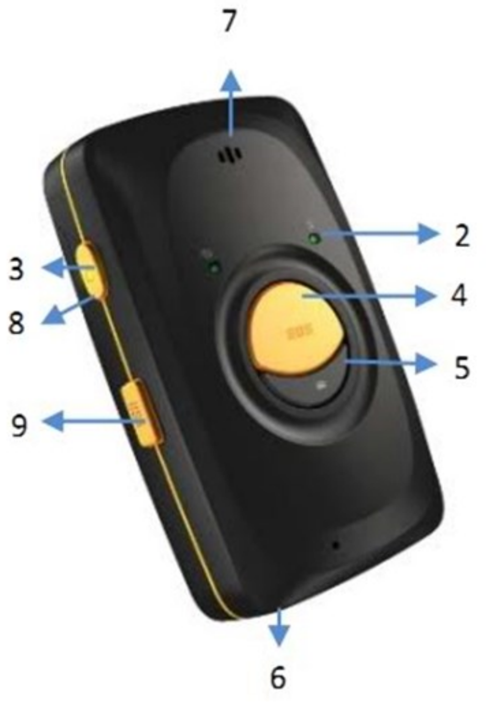
Product Function:

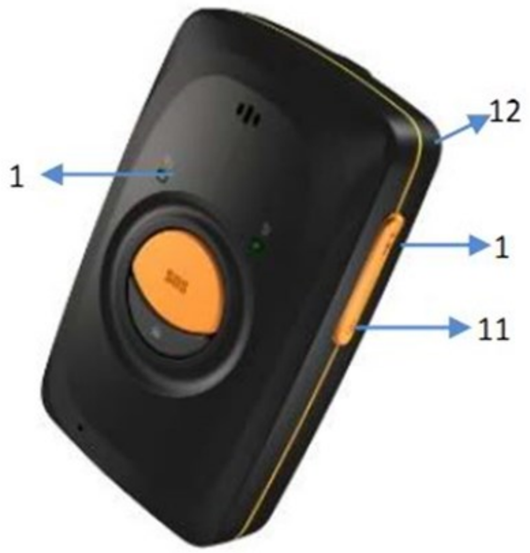
SiRF III GPS and Quad Band GSM 850/900/1800/1900Mhz
Small in size (77mm x 47mm x 20mm) and lightweight (65g)
Waterproof IP66
Low Power Consumption and Long Standby Time
GPS and GSM base station of bi - module positioning
Track by SMS/GPRS
Track on Demand
Track by Time Interval
Track by Distance Interval
Track on Mobile Phone
Listen - in (Voice Monitoring)
Internal 8MB Memory for Logging
Inbuilt Motion Sensor
Inbuilt Battery
SOS Alarm
Geo - fence Alarm
GPS Fake Zone Alarm
Low Battery Alarm
Speeding Alarm
Mileage Report

PRODUCT LIST

Specifications :

Items	Specification
Dimension	77 x 47 x 20mm
Weight	65g
Charging Voltage	Mini USB charging interface, DC4.2V~5.5V/400mA
Back-up Battery	950mAh/3.7V rechargeable and replaceable lithium-ion battery(NokiaBL-5C compatible)
Power Consumption	65mA standby current
Operating Temperature	-20℃~55℃
Humidity	5%~95%
Work Time	80 hours in power-saving mode and 10 hours in normal mode
LED	3 LED lights to show power, GPS, GSM and otherstatus
Button	5 buttons for making phone call and sending SMS
Microphone/Speaker	Internal microphone and speaker
Memory	4MB Byte
Sensor	Accelerometer
GSM Frequency	GSM850/900/1800/1900MHz
GPS Chip	Latest GPS SIRF-Star III chipset
GPS Sensitivity	-159dB
Positioning Accuracy	10 meters, 2D RMS





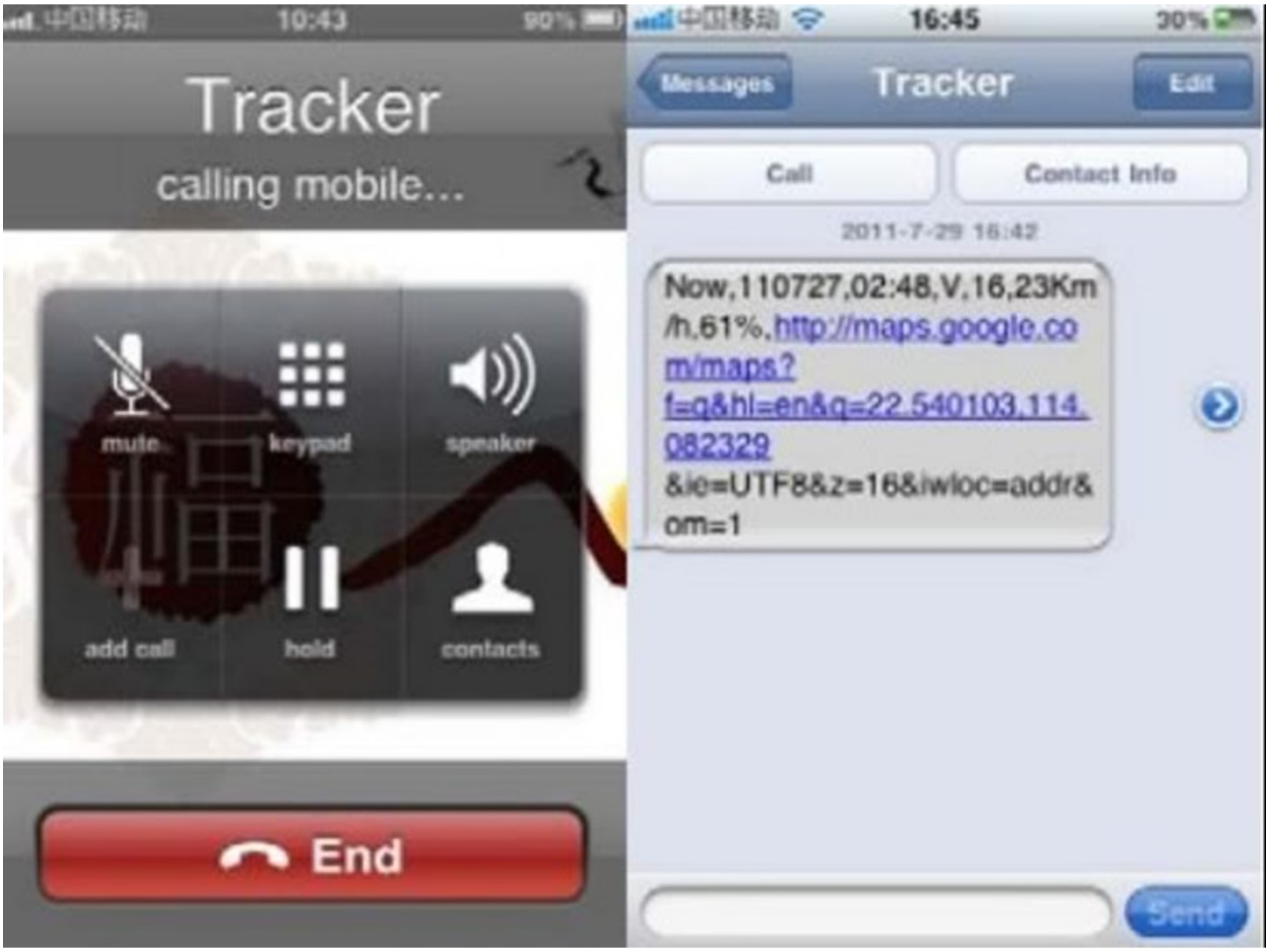
PRODUCT LIST

No.	Item	Description
1	GPS LED (Blue)	Indicating GPS status, please refer to “6.3” for more details.
2	GSM LED (Green)	Indicating GSM status, please refer to “6.3” for more details.
3	Power LED(Red)	Indicating the status of charging, lower power, working, sleep mode and power off.
4	SOS Button	Long press for 2 seconds, MT90 will dial 3 preauthorized phone numbers in turn. It will stop dialing when one number answers. Meanwhile, MT90 will send an SMS to the preauthorized phone number and send GPRS message to the server if GPRS function is enabled. Press to wake up if MT90 is in sleep mode.
5	Answer/Hand-up Button	Press to receive an incoming call. Press to complete a conversation. Long press for 2 seconds to send GPRS message to the server when no incoming call or conversation.
6	Microphone	It will run automatically when using listen-in and call functions.
7	Speaker	It will run automatically when using call function.
8	Power On/Off Button	Long press for 2 seconds to turn on MT90. Long press for 2 seconds to turn off MT90. Press to wake MT90 up from sleep mode, power LED will slowly flash for 10 seconds.
9	Mini USB	Mini USB is used for charging, connecting to computer for setting up parameters, updating software and so on.
10	Volume+/Logger Button	Long press to turn up the volume. Long press for 2 seconds to start hands-free conversation. In standby mode, long press for 2 seconds, when the buffer “BI” once, the logger will run automatically. （MT90 will log the route every 30 seconds automatically. Route record can be exported with the computer. Long press for 2 seconds again, when the buffer “BI” twice, and the logger will stop automatically.
11	Volume-/GPRS Button	Long press to turn up the volume. In standby mode, long press for 2 seconds, when the buffer “BI” once, GPRS function will be enabled automatically. (Precondition: GPRS parameter must be set in advance, default GPRS message interval is 10 minutes) Long press for seconds again, when the buffer “BI” twice, GPRS function will be disabled automatically.
12	Lanyard Loop	For connecting lanyard.

Track by Calling :

Make a call to MT90 and it will report with an SMS. For example,

Now,110727 02:48,V,16,23Km/h,61%,http://maps.google.com/maps?f=q&hl=en&q=22.540103,114.082329&ie=UTF8&z=16&iwloc=addr&om=1


中国移动
10:43
90%
Tracker
calling mobile...
mute
keypad
speaker
add call
hold
contacts
End
中国移动
16:45
30%
Messages
Tracker
Edit
Call
Contact Info
2011-7-29 16:42
Send

Now,110727,02:48,V,16,23Km/h,61%,http://maps.google.com/maps?f=q&hl=en&q=22.540103,114.082329&ie=UTF8&z=16&iwloc=addr&om=1

Click on the link then the location can be shown directly on Google Maps on your mobile phone.

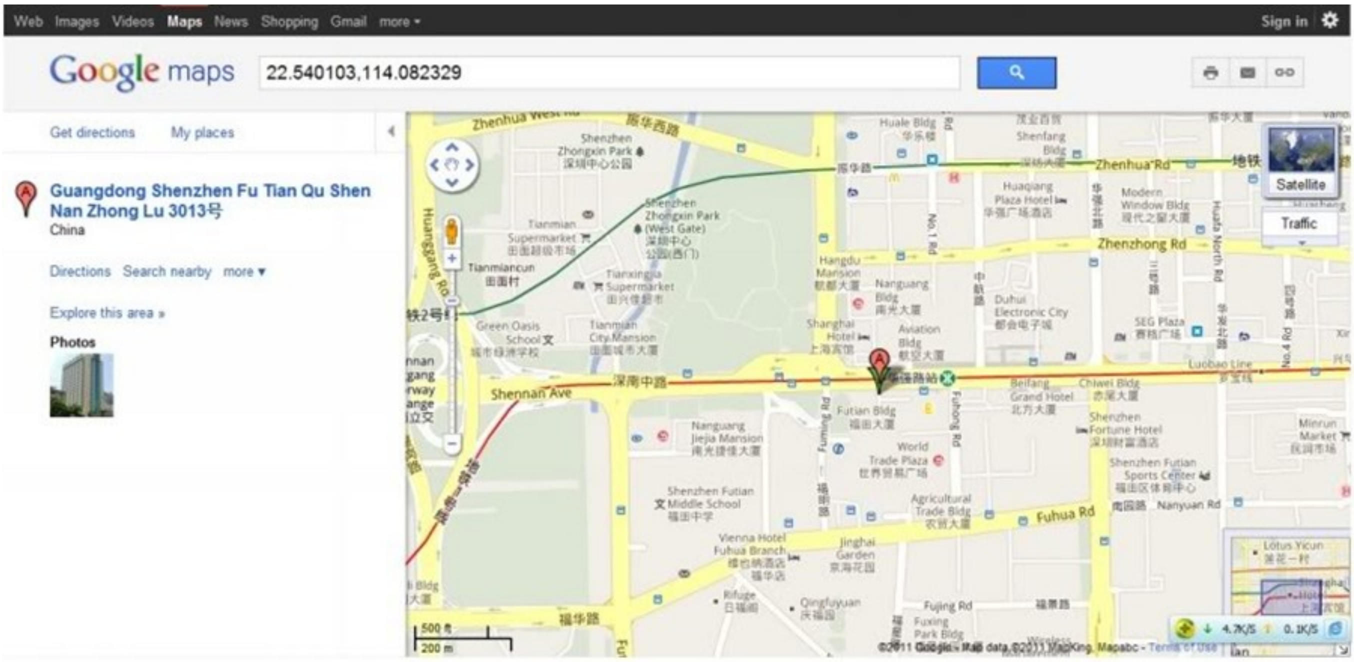
PRODUCT LIST

Report description:

Now,110727 02:48,V,16,23Km/h,61%,http://maps.google.com/maps? f=q&hl=en&q=22.540103,114.082329&ie=UTF8&z= 16 & iwloc=addr&om=1

Content	Description	Note
Now	Current Location	Alarm Type
110721 16:40	Date & Time: 21 July, 2011, 16:40pm	Date & Time in YYMMDD HH:MM
V	No GPS fixed	GPS Status Indicator: A = valid, V = invalid
10	GSM signal=10	GSM Signal. Decimal Digit (0~31)
0Km/h	Speed=0	KM/h. Decimal digit
97%	Battery Power: 97%	Battery Power Balance (Percentage)
http://maps.google.com/maps?f=q&hl=en&q=22.540103,114.082329 &ie=UTF8&z=16&iwloc=addr&om=	Latitude: 22.513015 Longitude: 114.057235	Google Maps Web Link with Latitude and Longitude. Click on the link to get the location.

On a smartphone click on the link if using a PC visit HTTP websites ,input the latitude and longitude into Google Maps a map will show the position:



22.540103,114.082329

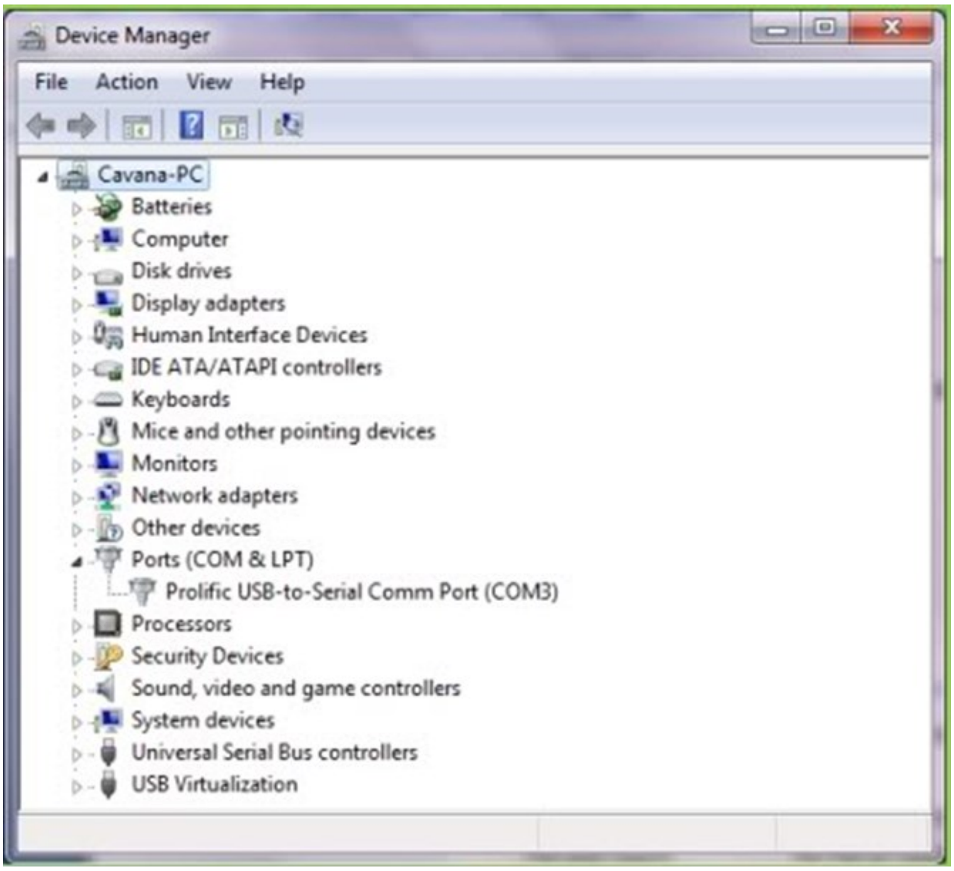
Guangdong Shenzhen Fu Tian Qu Shen Nan Zhong Lu 3013号
China

Web
Images
Videos
Maps
News
Shopping
Gmail
more
Sign in
Google maps
Get directions
My places
Directions
Search nearby
more
Explore this area »
Photos
Satellite
Traffic
Zhenhua Rd
Zhenzhong Rd
Shennan Ave
Fuhua Rd
500 ft
200 m

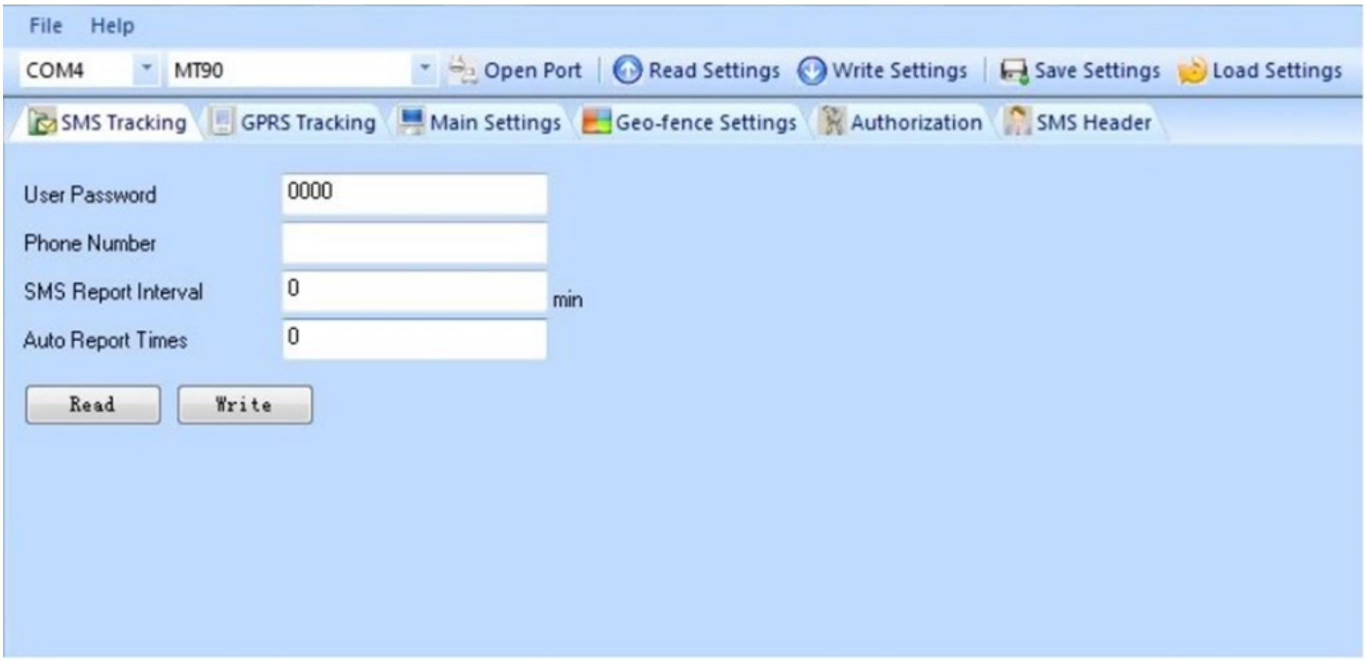
PRODUCT LIST

You can configure MT90 by mobile phone or by computer using the Parameter Editor (PC software).

Note: Parameter Editor configure software included in the Package, use "Ctrl+L" to change the language.


Device Manager
File
Action
View
Help

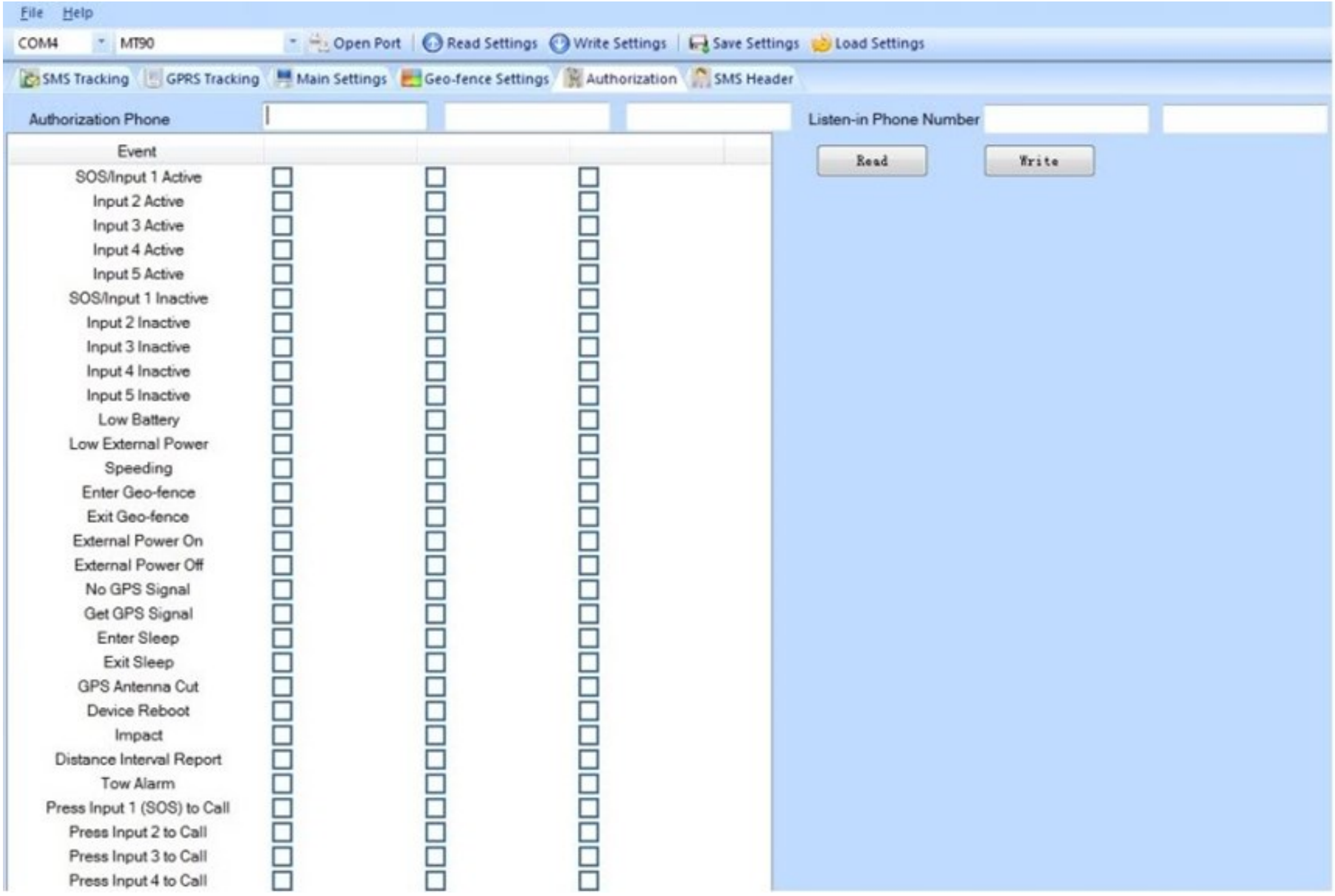
Cavana-PC
- Batteries
- Computer
- Disk drives
- Display adapters
- Human Interface Devices
- IDE ATA/ATAPI controllers
- Keyboards
- Mice and other pointing devices
- Monitors
- Network adapters
- Other devices
- Ports (COM & LPT)
  - Prolific USB-to-Serial Comm Port (COM3)
- Processors
- Security Devices
- Sound, video and game controllers
- System devices
- Universal Serial Bus controllers
- USB Virtualization


File
Help
Open Port
Read Settings
Write Settings
Save Settings
Load Settings
SMS Tracking
GPRS Tracking
Main Settings
Geo-fence Settings
Authorization
SMS Header
Read
Write

COM4
MT90

User Password: 0000
Phone Number:
SMS Report Interval: 0 min
Auto Report Times: 0

PRODUCT LIST


File
Help
COM4
MT90
Open Port
Read Settings
Write Settings
Save Settings
Load Settings
SMS Tracking
GPRS Tracking
Main Settings
Geo-fence Settings
Authorization
SMS Header
Read
Write

Authorization Phone

Listen-in Phone Number

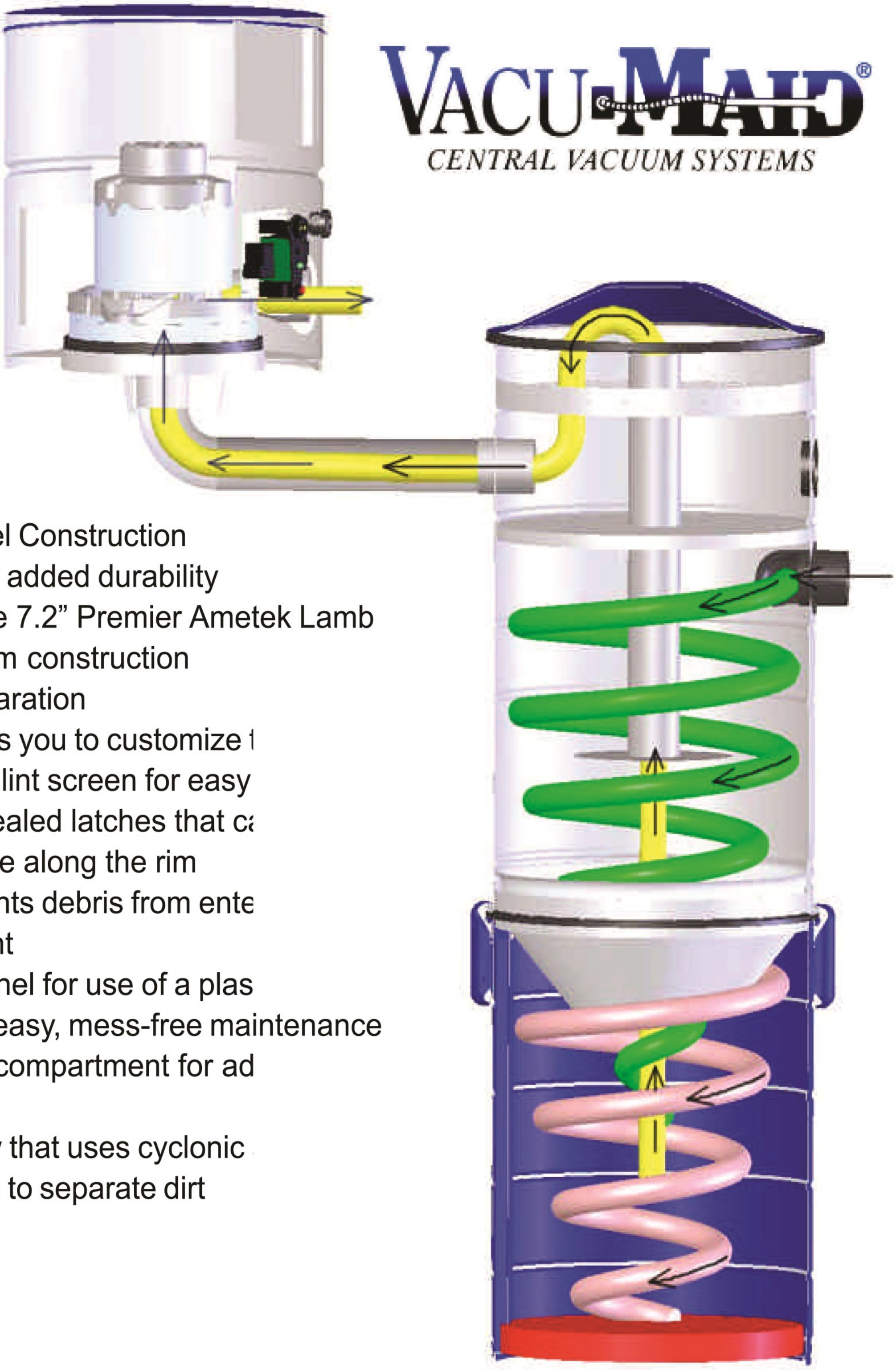
Event			
SOS/Input 1 Active	☐	☐	☐
Input 2 Active	☐	☐	☐
Input 3 Active	☐	☐	☐
Input 4 Active	☐	☐	☐
Input 5 Active	☐	☐	☐
SOS/Input 1 Inactive	☐	☐	☐
Input 2 Inactive	☐	☐	☐
Input 3 Inactive	☐	☐	☐
Input 4 Inactive	☐	☐	☐
Input 5 Inactive	☐	☐	☐
Low Battery	☐	☐	☐
Low External Power	☐	☐	☐
Speeding	☐	☐	☐
Enter Geo-fence	☐	☐	☐
Exit Geo-fence	☐	☐	☐
External Power On	☐	☐	☐
External Power Off	☐	☐	☐
No GPS Signal	☐	☐	☐
Get GPS Signal	☐	☐	☐
Enter Sleep	☐	☐	☐
Exit Sleep	☐	☐	☐
GPS Antenna Cut	☐	☐	☐
Device Reboot	☐	☐	☐
Impact	☐	☐	☐
Distance Interval Report	☐	☐	☐
Tow Alarm	☐	☐	☐
Press Input 1 (SOS) to Call	☐	☐	☐
Press Input 2 to Call	☐	☐	☐
Press Input 3 to Call	☐	☐	☐
Press Input 4 to Call	☐	☐	☐

Package includes:

1X MT90 main unit
1X Battery
1X Travel charger
1X Car charger
1X Software CD (Windows)

VACU-MAID®

CENTRAL VACUUM SYSTEMS



- Galvannealed Steel Construction
- Powder Coated for added durability
- Powerful, Long Life 7.2” Premier Ametek Lamb motor--all aluminum construction
- Pure Cyclonic Separation
- Split canister allows you to customize t
- Easy lift off lid with lint screen for easy
- 16 gauge galvannealed latches that ca latched in any place along the rim
- Plastic cone prevents debris from ente motor compartment
- Patented Air Channel for use of a plas dirt can--Provides easy, mess-free maintenance
- Foam lined motor compartment for ad reduction
- Special Inlet Elbow that uses cyclonic gravitational forces to separate dirt

🟩

Currently Vacuumed Debris

The debris enters the canister where it swirls cyclonically. This allows the debris to fall to the bottom

🟥

Previously Vacuumed Debris

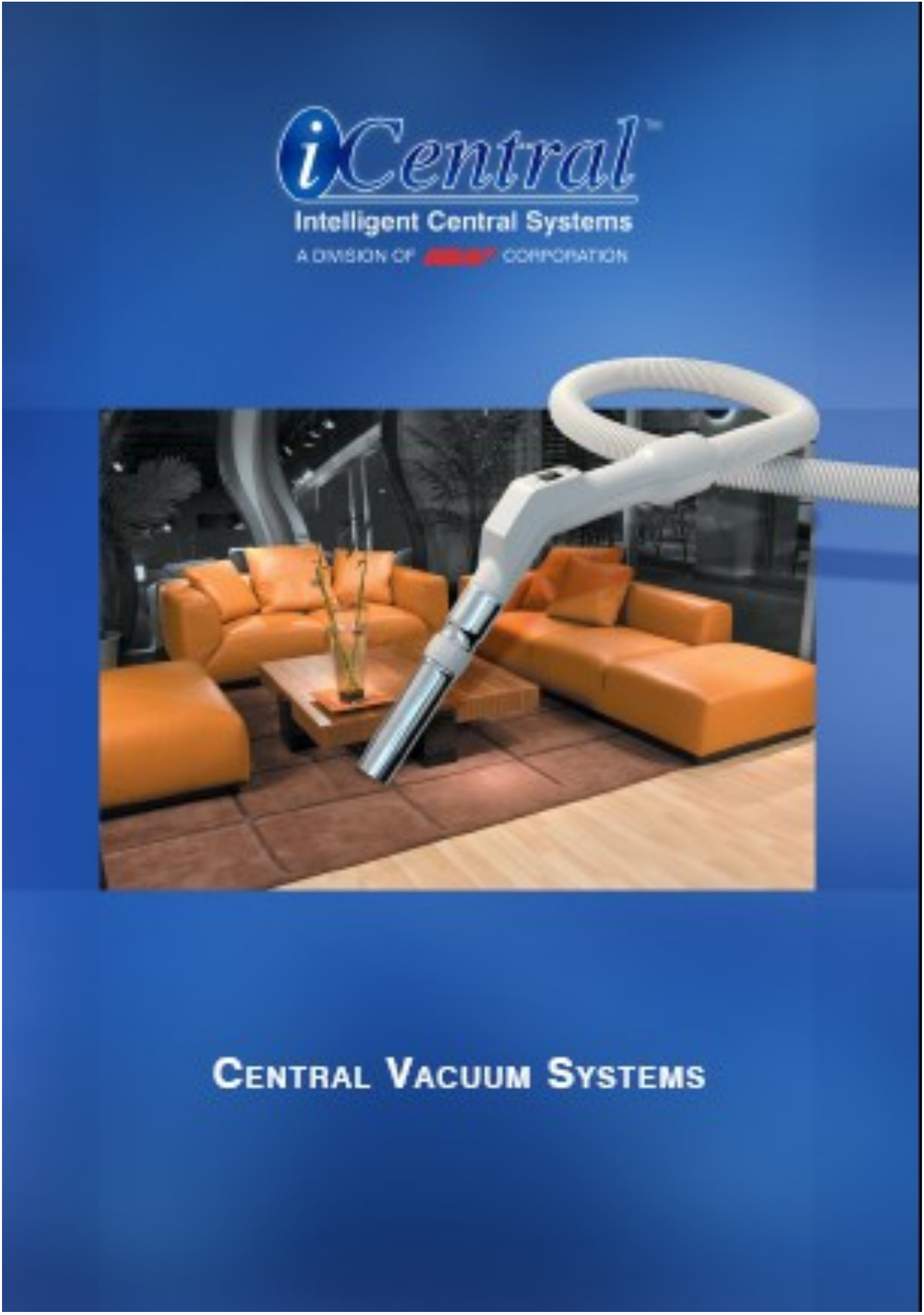
This dirt and debris will continue to swirl around while the system is on. The dirt is trapped in this canister until you are ready to empty it.

🟨

Cyclonically Filtered Working Air

Once the dirt is deposited in the bottom of the canister, the cyclonically filtered working air then passes through to the motor unit where it is vented to the outside.

DUCTED VACUUM



iCentral™

Intelligent Central Systems

A DIVISION OF [illegible] CORPORATION

CENTRAL VACUUM SYSTEMS

DUCTED VACUUM

iCentral™
Intelligent Central Systems
A DIVISION OF CORPORATION

THE iCENTRAL STORY

iCentral was created as a division of Mass Corporation as the vehicle for a new range of smart home automation products including central vacuums, music intercom systems and security systems.

iCentral's key management has a wealth of knowledge and experience in the Central Vacuum and Home Intercom business, so you know you're in safe hands.

Your Choice of Power Units

Essential V1.1

Dynamic V2.1

Deluxe V3.1

A Quality Investment For Your Family Home

DUCTED VACUUM

QUALITY

All [illegible] Vacuum System products are manufactured for [illegible] in accordance with [illegible] quality demands by a long established U.S. manufacturer who has enjoyed a [illegible] year commercial and personal relationship with [illegible] management.

For the best performance and reliability, [illegible] vacuums specify motors from Ametek Lamb Inc, the worlds most renowned vacuum motor manufacturer.

LONG WARRANTY

All [illegible] Vacuum Systems come with a standard Five Year Warranty on the motor - the heart of the system - and if you register your Warranty Card you get an additional 12 months FREE warranty.

VAC 004

Premium V4.1

VAC 005

Premium Inverted V4.1

VAC 006

Deluxe WP V3.1

Cleanliness Inside - Dust Outside

DUCTED VACUUM

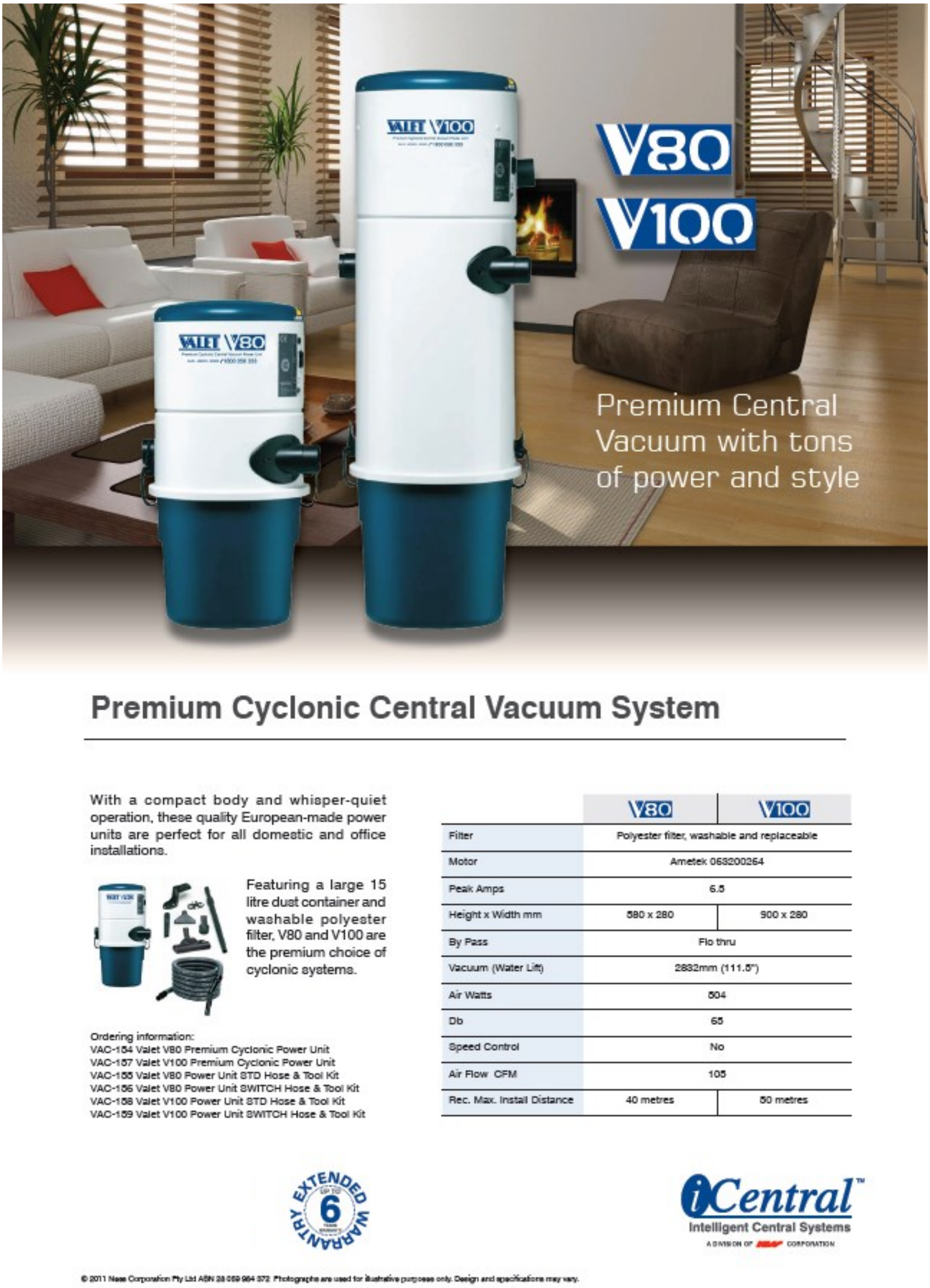
POWER UNIT SPECIFICATIONS

SOLID FOUNDATIONS

iCentral is a Proudly Australian Company

iCentral™
Intelligent Central Systems

DUCTED VACUUM



V80

V100

Premium Central Vacuum with tons of power and style

Premium Cyclonic Central Vacuum System

With a compact body and whisper-quiet operation, these quality European-made power units are perfect for all domestic and office installations.

Featuring a large 15 litre dust container and washable polyester filter, V80 and V100 are the premium choice of cyclonic systems.

Ordering information:
VAC-154 Valet V80 Premium Cyclonic Power Unit
VAC-157 Valet V100 Premium Cyclonic Power Unit
VAC-155 Valet V80 Power Unit STD Hose & Tool Kit
VAC-156 Valet V80 Power Unit SWITCH Hose & Tool Kit
VAC-158 Valet V100 Power Unit STD Hose & Tool Kit
VAC-159 Valet V100 Power Unit SWITCH Hose & Tool Kit

	V80	V100
Filter	Polyester filter, washable and replaceable	
Motor	Ametek 063200264	
Peak Amps	6.5	
Height x Width mm	580 x 280	900 x 280
By Pass	Flo thru	
Vacuum (Water Lift)	2832mm (111.5")	
Air Watts	504	
Db	65	
Speed Control	No	
Air Flow CFM	105	
Rec. Max. Install Distance	40 metres	50 metres

EXTENDED WARRANTY UP TO 6 YEARS

iCentral™
Intelligent Central Systems
A DIVISION OF CORPORATION

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