



## SECTION 21

# SECURITY SURVEILLANCE



# 21

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## → Door Video Security

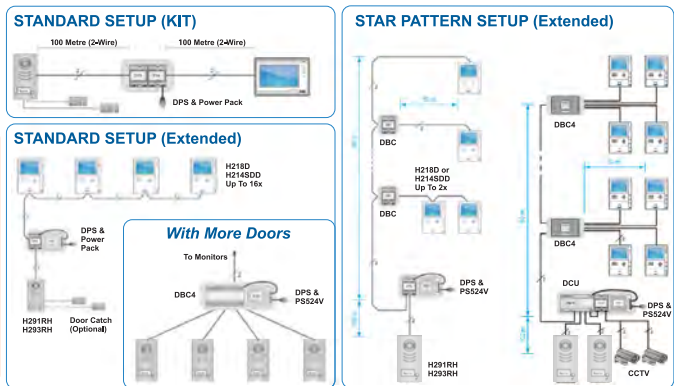
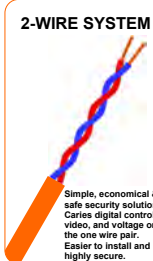
### ↓ 2 Wire

## 2 WIRE DOOR VIDEO INTERCOM SYSTEM

### MODERN BEAUTIFUL FUNCTION & DESIGN

Latest in home door intercom innovation. Intelligent twin wire system that aids installation. Setup is easy via the comprehensive yet simple menu system. With design and style to suit any home decor.

- No Polarity, twisted pair, easily to wire solution.
- One common power supply to all type solution.
- Support 2- Core (twisted pair), CAT5 wire, etc.
- From 1 to Max.16 indoor Monitors connected
- Max.4 Outdoor stations (DBC4 optional)
- 2 family camera (Duplex) is also available.
- Each door camera can control 2 locks.
- Door locks are an optional extra (EL971)
- All 2-Wire H2 products are compatible.
- All on the same twisted pair wire.



## 3.5" LCD COLOUR VIDEO DOOR INTERCOM

### 2-WIRE STATION VERTICAL DESIGN

3.5" Color Digital TFT Screen 320x240px. Compact and slim design to suit any decor. 220x104x20mm cream white plastic casing. Modern vertical style, brushed aluminium trim. Kit Includes monitor, powerpack DPS Injector. All parts available separately for expansion.

- Entrance Monitoring view
- Auto On with Call button
- Converse with entrance
- Door open control with
- Optional Door Catch
- up to two locks per station
- Intercom between monitors
- Monitors naming function
- GUI Menu system
- Selectable door chime
- Adjustable picture
- Light On (Req. DCU)
- Expand up to 16 units



Available as a kit or separately.

Description	Code
3.5" Monitor	H216D
3.5" Monitor & Tamper Proof Camera Kit	H21691RH

## 7" LCD COLOUR VIDEO DOOR INTERCOM

### LOOK-C LOW-PROFILE WIDE-SCREEN

Modern, low-profile 28mm thick, 242x144mm wide screen monitor. View full colour high resolution 7" TFT-LCD Screen 800x480 pixels. Answer 1 or 2 doors via the video intercom (\*expandable up to 4 units) Push-button door opening function (Requires optional door latch EL971) Expandable to more H2 system monitors and door cameras. Simple 2-wire system (Cable Not Included) up to 100M twisted pair. Attractive & stylish wall mount unit, easy to install, setup and operate.



Available as a kit or separately.

Description	Code
7" Monitor	H210D
7" Monitor & Tamper Proof Camera Kit	H210D91RH

## 7" LCD COLOUR VIDEO DOOR MONITOR - TOUCH SCREEN

### HIGH-RESOLUTION MONITOR WITH VISITOR RECORDING FEATURE

7" Color Digital TFT Monitor with touch screen and SD card recording. Low-profile minimalist style in ultra-modern contemporary design. No protruding buttons! Super sleek touch control. Back illuminated. Full colour High resolution TFT LCD 16:9 wide screen 800x480px. Easy Icon GUI menu control for advanced feature set system.

- Digital TFT Screen
- Touch sensor button
- 118Mb Inner flash memory
- Max.4Gb SD card picture memory
- Home away auto memory
- 1/4/8 auto photo shooting
- Digital Photo Frame
- Power supply: 24VDC
- LCD 840x480 pixels
- 125x225x28mm

Description	Code
7" Monitor Touch Screen	H227SDD
7" Monitor Touch & Tamper Proof Camera Kit	H227SDD91RH

See next page for camera details. Order as a kit or separately.



<b>REC</b> RECORDS VISITORS 10s. Video	<b>EXPAND</b> MEMORY SD Card	<b>PHOTO</b> FRAME CYCLE
<b>TOUCH</b> SCREEN MENU	<b>7" LCD</b> HIGH-RES SCREEN	<b>KIT INCLUDES</b> CAMERA, MONITOR, & POWER SUPPLY <b>REQUIRES CABLE</b>

## TWISTED PAIR DROP CABLE

High grade, high current, low loss, low capacitance. Suitable for many applications including-Speaker wire, both 8 ohms and 100v line, Video intercoms , Low voltage applications (AC or DC) eg, security, garden lights etc. Twisted pair in black PVC Jacket, ideal for running through walls and areas which are damp and prone to water penetration or applications where a better quality cable is required. 8mm Outer sheath 1mm thick. 3mm with 48 strands x 0.2mm x 2 core, 300Vac max.

Length	Code
100M	CAB4822





## → Door Video Security

### ↓ 2 Wire

#### ZINC-ALLOY DOOR CAMERA

##### IP45 WEATHER PROOF OUTDOOR

Sharp Brand Color CCD Camera in a heavy-duty outdoor station with rain cover. Attractive and stylish zinc-alloy housing. Strong water proof & tamper proof design. Camera's viewing angle is adjustable. Name plate display with white LED lit. IR Illumination for 0 Lux night vision. 176x90x23mm. Requires cables.



Purchase separately or with a kit.

Description	Code
Tamper Proof Camera	H291RH
3.5" Monitor & Tamper Proof Camera Kit	H21691RH
7" Monitor Touch & Tamper Proof Camera Kit	H227SDD91RH

#### SPLITTER 4-WAY

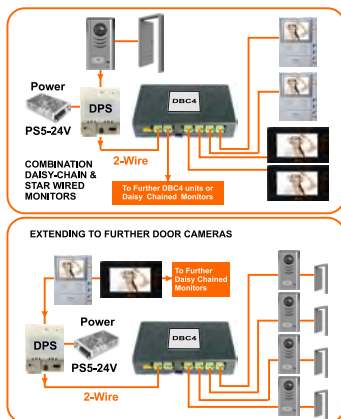
##### BRANCH CONTROLLER

Splits 2-Wire system into Four video output for monitors. Up to four monitors to an output. Extra BDC4's can be added to the master line if required.

or

Four video inputs for combining door cameras with door control.

Description	Code
4-Way Branch	DBC4



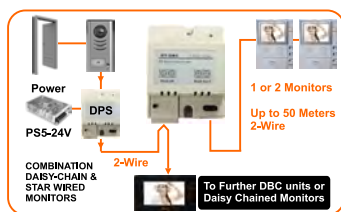
Accessories not included.

#### SPLITTER 2-WAY

##### 2-WIRE BRANCH CONTROLLER

Allows branching off the main line to extra monitors. Maximum 2 monitors daisy chained on a branch line. Line length is up to 50 Metres. 2-Wire system compatible.

Description	Code
Splitter 2-Way	DBC



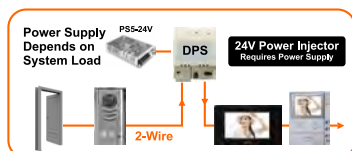
Accessories not included.

#### POWER INJECTOR

##### 2-Wire Power Separator

2-Wire system requires power to be inserted into the line to power all cameras and monitors from one point.

Description	Code
Power Injector	DPS

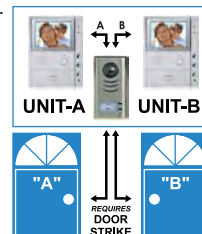


Injector Only.  
Requires Power Supply.  
24Vdc.

#### DUPLEX CAMERA

##### ONE CAMERA TO TWO MONITORS

Dual door control for two dwellings (Duplex). Compatible with two (or more) 2-Wire monitors. Two door call buttons with illuminated labels. Requires install cable, power, monitors, etc. IR illuminated for 0 Lux night vision. Sharp brand colour CCD camera. Strong vandal proof design. Weather Shield. Outdoor. IP45. 176x90x23mm



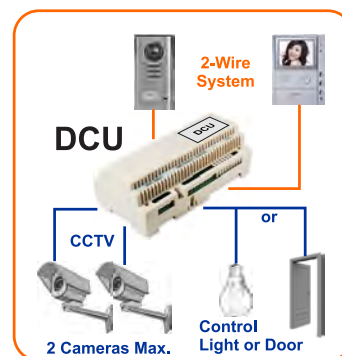
Code  
H292RH  
Sold separately.  
Requires cable  
and monitors.

#### CCTV CONTROL UNIT

##### ANALOGUE VIDEO WITH LOCK CONTROL

Extend 2-Wire system to include an analogue camera input (up to 2 CCTV inputs). Includes 12Vdc out for camera power. Call button input. Control output for a door opener or light.

Code
DCU



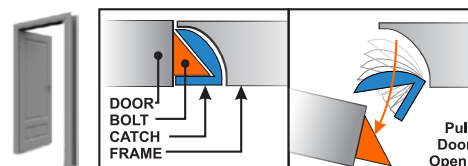
Accessories not included.

#### DOOR STRIKE

##### FAIL SECURE

Remote entrance Door catch release. Compatible with our door intercoms and other units. Requires a trigger of 12Vdc 500mA to enable a door to be pushed open. Mounts into the frame, replacing the door catch. Power supply NOT included.

Code
EL971



150mm

#### POWER SUPPLY

##### USE WITH DPS

2-Wire system is designed to be economical in power. For a single monitor and camera combination a 1A power supply will suffice, however, this may depend on losses over longer cables and expansion of system, etc. It is recommended that if the system is expanded using DBC4 then to use PS524V.



Description	Code
5.0A 24Vdc	PS524V
1.2A 24Vdc	SMP24V-1.2A-21R
2.5A 24Vdc**	SMP2500-24R
Power Lead	ACL104

\*\*SMP2500-24R requires ACL104 Power Lead



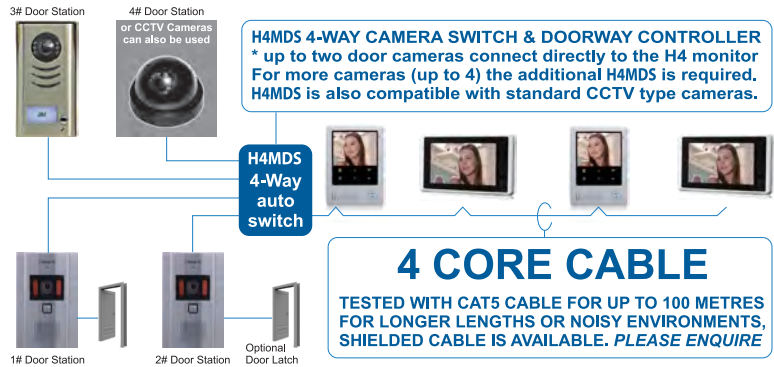
## → Door Video Security

### ↓ 4 Wire

#### 4 WIRE DOOR VIDEO INTERCOM SYSTEM

An easy to install digital colour video intercom system available as a kit and expandable with additional items. Suitable for DIY home or office video security solutions. Add a door sentry today for low cost and peace of mind. Kit includes all parts required except cable is not included.

- 4 wires (polarized wiring) with simple setup.
- Cable is not supplied. Order to length required.
- Use common twisted pair (eg. CAT5) up to 100M.
- For lengths greater than 100M use H4BTU booster
- System is expandable from 1 to 5 indoor monitors.
- System is expandable from 1 to 4 outdoor stations or standard CCTV cameras with optional H4MDS switcher.
- H424 & H427 are compatible on the 4 wire system however not all features are shared (eg. memory).



#### 4" LCD COLOUR VIDEO DOOR INTERCOM H424

High resolution 4" TFT Digital LCD Screen in a wall-mount enclosure. Large illuminated talk button. Optional "unlock" door latch available. Kit available with camera (up to 4 cameras with the add-on H4MDS). Intercom between additional monitors (expands up to 5 units total). 210x160x25mm Low profile, attractive wall mount modern design. Easy to install 4 Core cable solution. Order cable separately. Choose a monitor & camera combination kit for DIY installs. Extra Monitors and Cameras are available separately. Optional Memory Module stores images captured during door bell press.

Description	Code
4" Monitor	H424
4" Monitor & Flush Camera Kit	H42484
4" Monitor & Tamper Proof Camera Kit	H42491RH
Memory Module	H4MEM

Available as a kit or separately. Also available with video storage H4MEM captures any visitors while you are not at home.



#### 7" LCD COLOUR VIDEO DOOR INTERCOM H427DT

##### LOOK-C LOW-PROFILE WIDE-SCREEN

Low-profile 23mm thick, 240x145mm monitor with frame in 2 colours. View full colour high resolution 7" TFT-LCD Screen 1440x234 pixels. Answer 1 or 2 doors via the video intercom (\*up to 4 units w/ H4C5M) Push-button door opening function (Requires optional door latch) Expandable system to more H427 & H424 monitors & door cameras. Simple 4-wire system (Cable Not Included) up to 100 Metres of CAT5. Attractive & stylish wall mount unit, easy to install, setup and operate.

Description	Colour	Code
7" Monitor White Frame	White	H427DT
7" Monitor Black Frame	Black	H427DTBK
7" Monitor & Flush Camera Kit	White	H427DT84
7" Monitor & Flush Camera Kit	Black	H427DT84BK
7" Monitor & Deluxe Camera Kit	White	H427DT91RH
7" Monitor & Deluxe Camera Kit	Black	H427DT91RHBK



#### OPTIONAL RECORDING FEATURE H427SDD

##### 128MB VIDEO MEMORY INBUILT - MicroSD EXPANDABLE

Automatic function for recording each door button press, ready for instant playback when you get home, to see who came while you were out! This unit stores 3x 10 second video captures plus a \*SD micro expansion slot to extend this. Doubles as a Photo Frame SD memory image player too! \*SD micro card up to 4GB is extra.

Description	Colour	Code
7" Monitor SD Memory White Frame	White	H427SDD
7" Monitor SD Memory Black Frame	Black	H427SDDBK
7" Monitor SD & Flush Camera Kit	White	H427SDD84
7" Monitor SD & Flush Camera Kit	Black	H427SDD84BK
7" Monitor SD & Tamper Proof Camera Kit	White	H427SDD91RH
7" Monitor SD & Tamper Proof Camera Kit	Black	H427SDD91RHBK
Monitor Star Splitter		H4BDU
Quad Screen		H4QSW
Remote Light Switch		H4RLC
4GB microSD/Transflash Card Memory		TFC4096

**TOUCH SCREEN OSD MENU**



**RECORDS 10 SECONDS ON EACH DOORBELL PRESS**



**BUILT-IN MEMORY PLUS SD-MICRO CARD SLOT MEMORY (Optional)**



**SD SLIDE-SHOW FEATURE CYCLES FAVOURITE PHOTOS**



**AVAILABLE WITH A WHITE or BLACK FRAME**



Available as a kit or separately.



## → Door Video Security

### ↓ 4 Wire

#### FLUSH MOUNT CAMERA

##### DOOR BELL INTERCOM

Attractive Silver colour plastic fascia.  
Door call-Button with camera and Inbuilt speaker & mic to suit the 4-Wire system.  
Zero Lux Night-View with IR Illumination  
150x95x45mm (30mm flush mounted)  
Requires 4 core cable and monitor.  
Available in kit form with monitor.  
Cable and optional door catch not supplied.

Code  
H484



Purchase separately or with a kit.

#### TAMPER PROOF CAMERA

##### IP45 WEATHER PROOF OUTDOOR

Sharp Brand Color CCD Camera in a heavy-duty outdoor station with rainy cover.  
Attractive and stylish zinc-alloy housing.  
Strong waterproof & tamper-proof design.  
Camera's viewing angle is adjustable.  
Name plate display with white LED lit.  
IR Illumination for 0 Lux night vision.  
176x90x23mm. Requires cables.

Code  
H491RH



Purchase separately or with a kit.

#### DUPLEX CAMERA

##### ONE CAMERA TO TWO MONITORS

Enables a single camera station to address Two separated video Look-C intercom systems (A/B). One camera with two door-bell buttons. Suit duplex house, business/personal, granny-flat, dual-units, etc., etc.  
Requires Look-C 4-Wire monitors,  
Suitable for TWO doors. TWO door strikes.  
Requires 4 core cable. 196x112x39mm

Code  
CC586



Sold separately. Requires cable, monitors and two door strikes.



#### WEATHER SHIELD FOR DOOR CAMERAS

##### SUIT: H484 H487 BWC580 BWC584

Stainless-steel bracket & visor helps protect door camera unit from outdoor nasties. Bracket allows option of flush or surface mounting. Converts H484 to a surface mount.

Code  
RH580



Includes removable bracket options for above or flush mount.

#### MULTIPLE CAMERA AUTO-SWITCH

##### UP TO 4 DOOR CAMERAS

Compatible with "Cycle View".  
Extends the 4-Wire system from 2 to 4 cameras total.  
Door strike control compatible.  
Works with video sources too!  
Connect cameras, CCTV, etc.

Description Code  
Door Camera Splitter H4MDS



#### QUAD SCREEN MODULE ADD-ON

##### ALLOWS TO VIEW 4 CAMERAS ON ONE SCREEN

Integrates with H4MDS in the four wire system. Allows viewing four cameras on a single screen by way of quad split screen. Optional extra add-on suit 4 wire system.

Description Code  
Quad Screen H4QSW



#### HANDSET ONLY

##### EXPANSION OPTION WITHOUT MONITOR

Expands an existing intercom door answering system. Connects with any Look-C 4-Wire monitor units. Add-on to the monitor kit for use as an extra station for talking to other handsets, monitors or cameras. Buttons for answering/calling and door release control. Attractive white finish suits any decor. Wall mountable. System can include up to FIVE monitors and/or handsets. Three core cable for connecting to the system is required. No additional power is required. Suit 4-Wire system only.



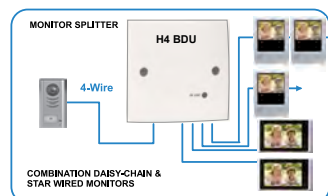
Description Code  
No Screen Handset Only VT672

#### 4-WAY STAR WIRE SPLITTER

##### AND SIGNAL BOOSTER

4-Wire monitors are usually wired in daisy chain fashion. If star type branch wiring is required then use this splitter to up to 5 monitors.  
Also suitable for strengthening signals for longer noisy runs.

Description Code  
Monitor Star Splitter H4BDU

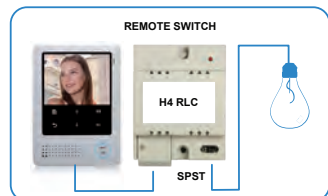


#### REMOTE SWITCH

##### LOW VOLTAGE LIGHT SWITCH

Enables control of a light or second door strike.  
Single pole, single throw, low voltage relay output.  
Connects inline with the 4-Wire system.

Description Code  
Remote Light Switch H4RLC





# 21 SECURITY SURVEILLANCE

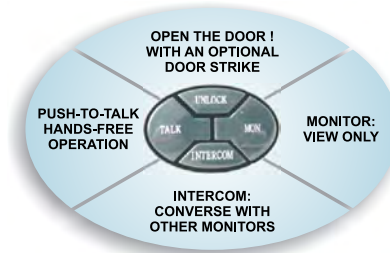
## → Door Video Security

### ↓ B&W 4 Wire

#### 4" CRT B&W VIDEO DOOR PHONE HANDS-FREE

##### MONITOR & CAMERA KITS - NO HANDSET STYLE

Excellent economical solution price break-thru !! IR Illuminated for bright and clear night viewing. Low-profile side projection 4" B&W picture tube Convenient hands-free view and hear operation Auto-On screen and listen on door-bell press Push-button to talk to your visitor before entry and allow them in with the optional EL971 Electronic release door catch actuator control. System is easily expandable with the addition of extra monitors (5) and/or extra door cameras (4) Intercom feature allows for communication between additional monitors in different rooms of the house. You can also integrate the B&W monitors in with Look-C range of Colour LCD Systems if desired (Colour door camera required for colour system)  
REQUIRES 4-CORE TWISTED PAIR CABLE TO LENGTH



##### BLACK & WHITE KITS

Kit Includes one 4" B&W Monitor & one Door camera.  
Requires connection cable. Monitor size 220x190x55mm  
ADD MORE CAMERAS(2) & MONITORS(5)  
Up to 5 base monitors can all share on the one system.  
See and control extra doors with a CSM expansion module.  
\*Additional cameras require an Auto-Switcher to suit.

Description	Code
Base unit & BWC580 Surface Mount Camera	BWS68SU
Base unit & BWC584 Flush Mount Camera	BWS68FL

##### EXPANDABLE B&W SYSTEM ITEMS

Description	Code
Monitor Only	BWM68
No Screen Handset Only	VT672
Surface Mount Camera Only	BWC580
Flush Mount Camera Only	BWC584
Duplex Dual System Camera	BWC586
Door Camera Splitter	H4MDS
Door Strike	EL971
Weather Shield for cameras	RH580

REQUIRES 4 CORE CABLE TO LENGTH....



**IR Illuminated  
100x130x40mm  
B&W Door Cam  
BWC580**



**95x150x15/40mm  
Flush Mount Cam  
BWC584**



**BWC586**



**Handset Only  
(No Video)  
VT672**



**Expand to  
4 Cameras.  
CCTV Video  
Compatible  
H4 MDS**



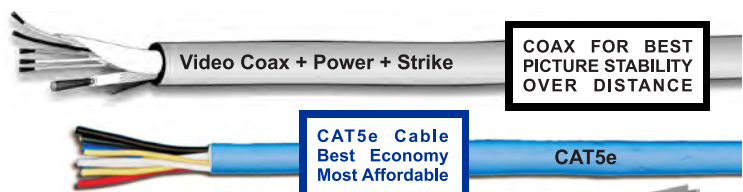
**Branch  
Splitter  
H4 BDU**

##### REQUIRES CABLE

Cable is NOT included in any of the Look-C kits. 4 Core Low voltage "Bell wire" is required. eg. Telephone, CAT5 or security cable, etc. For runs up to 20M we recommend SEC414 (ACA Approved). For longer runs, CAT5 twisted pair type cable is quite suitable up to 100M. For electronically noisy environments or to ensure maximum picture quality we have available shielded coax cable with control wires.

Length	Description	Colour	Code
100M	Coax + 5 Control Wires	Cream	SEC7505
305M	Coax + 5 Control Wires	Cream	SEC17505
100M	8 Core Category-5e Cable	Blue	CNC5100BU
305M	8 Core Category-5e Cable	Blue	CNC5305BU
305M	8 Core Category-5e Cable	Grey	CNC5305GY
50M	8 Core Category-5e Cable	Blue	CL161
25M	8 Core Category-5e Cable	Blue	CL158

CAT5 cable is available in Blue, Yellow, Grey, Red, Green and Pink. Other lengths are also available. See Section 13 or 16 for CAT5 Cable.





**OPTIONAL DOOR STRIKE  
REQUIRES 12V 500mA  
Power Pack Not Inc.**

- **DOOR STRIKE EL971**
  - Door-Strike Requires 12Vdc/500mA source, local or remote
- | Code  |
|-------|
| EL971 |





## → Cameras

### Listing Of Security Cameras To Suit Surveillance Systems

Page	Type	Outdoor	CCD	TVL	Lens	FOV	Size	LUX	IR	Code
12	PTZ Dome	IP66	Hitachi 1/4"	540	22x Optical	360°+180°	300x240mmØ	0	Nil	CAM502
12	PTZ Dome	IP66	Sony 1/4"	480	18x Optical	360°+180°	300x240mmØ	0	Nil	CAM501
12	PTZ Dome	IP66	Sony 1/4"	480	18x Optical	360°+180°	300x240mmØ	Day	Nil	CAM500
13	PTZ Dome	Indoor	Samsung 1/4"	500	10x Optical	360°+180°	130x140mmØ	Day	Nil	CAM266
13	PTZ Dome	Indoor	Sony 1/4"	480	27x Optical	360°+180°	90x210mmØ	0.01	Nil	CAM236
13	PTZ PoE	IP66	1/2.8" Sony	1080p	18x Optical	360°+180°	280x190mmØ	Day	Nil	FCS-4041
14	Dome	Indoor	Sony 1/3"	420	3.6mm MTV	72°	60x87mmØ	2.0	Nil	CAM214
14	Dome	Indoor	Sony 1/3" Effio-E	700	3.6mm MTV	72°	60x87mmØ	0.1	Nil	CAM291
14	Dome	Indoor	Sony 1/3"	540	3.6mm MTV	72°	75x112mmØ	0.25	Nil	CAM003
14	Ball	IP55	Sony 1/3"	480	3.6mm MTV	72°	95x75mmØ	0	20M	CAM233
14	Ball	IP55	Sony 1/3"	540	3.6mm MTV	72°	95x75mmØ	0	20M	CAM031
14	Dome	Indoor	Sony 1/3"	420	3.6mm MTV	72°	82x120mmØ	0.1	Nil	CAM300
14	Dome	Indoor	Sony 1/3" Effio	700	3.6mm MTV	72°	82x120mmØ	0.1	Nil	CAM301
14	Dome	Indoor	Sony 1/3"	480	3.5mm - 9mm	45° - 90°	118x106mmØ	0.1	Nil	CAM262
14	Dome	Indoor	Sony 1/3"	600	3.6mm - 9mm	45° - 90°	118x106mmØ	0.1	Nil	CAM263
14	Dome	Indoor	Sony 1/3" Effio-E	700	3.6mm - 9mm	45° - 90°	118x106mmØ	0.1	Nil	CAM271
14	Dome	Indoor	Sony 1/3"	480	2.8mm - 12mm	30° - 60°	149x99mmØ	0	20M	CAM256
14	Dome	Indoor	Sony 1/3" Effio-E	700	2.8mm - 12mm	30° - 60°	149x99mmØ	0	20M	CAM257
15	Dome	Indoor	Sony 1/3"	420	2.8mm - 12mm	30° - 60°	92x117mmØ	0.01	Nil	CAM285
15	Dome	Indoor	Sony 1/3" Effio-E	700	2.8mm - 12mm	30° - 60°	92x117mmØ	0.01	Nil	CAM302
15	Dome	IP65	Sony 1/3"	600	2.8mm - 10mm	30° - 72°	83x112mmØ	0.0002	Nil	CAM280
15	Dome	IP55	Sony 1/3"	540	3.6mm - 8mm	45° - 90°	85x115mmØ	0.1	Nil	CAM219
15	Dome	IP66	Sharp 1/4"	420	3.5mm - 8mm	45° - 90°	128x91mmØ	0	15M	CAM248
15	Dome	IP66	Sony 1/3"	540	3.5mm - 8mm	45° - 90°	128x91mmØ	0	15M	CAM249
16	Dome	IP66	Sony 1/3"	600	3mm - 10mm	30° - 100°	100x145mmØ	0.2	30M	CAM028
16	Dome	IP66	Pixim 1/3" Seawolf	690	2.8mm - 12mm	20° - 110°	100x145mmØ	0.1	30M	CAM303
16	Dome	IP55	Sony 1/3"	600	3.5mm - 8mm	30° - 72°	180x130x140mm	0.1	Nil	CAM272
16	Dome	IP55	Sony 1/3"	600	3.5mm - 8mm	30° - 72°	180x130x140mm	0	15M	CAM273
16	Ball	IP65	Sony 1/4"	420	4mm - 9mm	25° - 50°	150x125mmØ	0	40M	CAM267
17	Ball	IP65	Sony 1/3"	420	2.8mm - 10mm	30° - 82°	90x120mmØ	0	30M	CAM277GY
17	Ball	IP65	Sony 1/3"	420	2.8mm - 10mm	30° - 82°	90x120mmØ	0	30M	CAM277WH
17	Ball	IP65	Sony 1/3"	700	2.8mm - 10mm	30° - 82°	90x120mmØ	0	30M	CAM234GY
17	Ball	IP65	Sony 1/3"	700	2.8mm - 10mm	30° - 82°	90x120mmØ	0	30M	CAM234WH
17	Ball	IP65	Sony 1/3" Super WDR	700	2.8mm - 10mm	30° - 82°	90x120mmØ	0	30M	CAM270GY
17	Ball	IP65	Sony 1/3" Super WDR	700	2.8mm - 10mm	30° - 82°	90x120mmØ	0	30M	CAM270WH
17	Ball	IP65	Sony 1/3"	420	3.6mm MTV	45°	69x94mmØ	0	20M	CAM289WH
17	Ball	IP65	Sony 1/3"	420	3.6mm MTV	45°	69x94mmØ	0	20M	CAM289GY
17	Ball	IP65	Sharp 1/3"	600	3.6mm MTV	45°	69x94mmØ	0	20M	CAM299WH
17	Ball	IP65	Sharp 1/3"	600	3.6mm MTV	45°	69x94mmØ	0	20M	CAM299GY
17	Ball	IP65	Sony 1/3" Effio-E	700	3.6mm MTV	45°	69x94mmØ	0	20M	CAM293WH
17	Ball	IP65	Sony 1/3" Effio-E	700	3.6mm MTV	45°	69x94mmØ	0	20M	CAM293GY
17	Ball	IP65	Sony 1/3"	540	3.6mm MTVx2	72°	100x120mmØ	0	35M	CAM220
18	Outdoor	IP66	Sony 1/3"	480	4mm - 9mm	22° - 100°	155x85mmØ	0	40M	CAM283
18	Outdoor	IP66	Sony 1/3"	700	4mm - 9mm	22° - 100°	155x85mmØ	0	40M	CAM228
18	Outdoor	IP66	Sony 1/3" WDR	700*	4mm - 9mm	22° - 100°	155x85mmØ	0	40M	CAM274
18	Outdoor	IP66	Sony 1/3"	480	2.8mm - 12mm	22° - 100°	240x186x100mm	0	60M	CAM304
18	Outdoor	IP66	Sony 1/3" Super WDR	700*	8mm - 20mm	10° - 32°	240x186x100mm	0	60M	CAM307
18	Outdoor	IP66	Sony 1/3" Super WDR	700*	2.8mm - 12mm	22° - 100°	240x186x100mm	0	60M	CAM305
18	Carpark	IP66	Sony 1/3"	520	16mm	17°	175x100x90mm	HLM	50M	CAM250
18	Outdoor	IP65	Sony 1/3"	550	6mm - 15mm	15° - 45°	390x142x110mm	0	50M	CAM034
18	Outdoor	IP66	Sony 1/3"	480	4mm - 86mm	22x 10x	185x110mmØ	0	100M	CAM246
19	Outdoor	IP66	Sony 1/3"	480	2.8mm - 12mm	22° - 100°	240x186x100mm	0	40M	CAM295
19	Outdoor	IP66	Sony 1/3" Effio-E	700*	2.8mm - 12mm	22° - 100°	240x186x100mm	0	40M	CAM296
19	Outdoor	IP66	Sony 1/3" Effio-E	700*	8mm - 20mm	10° - 32°	240x186x100mm	0	40M	CAM297
19	Outdoor	IP66	Sharp 1/3"	600	2.8mm - 12mm	22° - 100°	227x98x82mm	0	30M	CAM287
19	Outdoor	IP66	Sony 1/3" Effio-E	700	2.8mm - 12mm	22° - 100°	227x98x82mm	0	30M	CAM286
19	Outdoor	IP65	Sony 1/3"	450	2.8mm - 12mm	22° - 100°	228x97x82mm	0.0002	Nil	CAM294
19	Outdoor	IP66	Sony 1/3" Effio-E	700	6mm - 15mm	15° - 45°	228x97x82mm	0	40M	CAM255
19	Outdoor	IP66	Sony 1/3"	480	3.6mm	45°	86x60x55mm	0	20M	CAM282
19	Outdoor	IP66	Sony 1/3"	600	3.6mm	45°	86x60x55mm	0	20M	CAM290
19	Outdoor	IP66	Sony 1/3"	700	3.6mm	45°	86x60x55mm	0	20M	CAM298
20	Outdoor	IP67	Sony 1/3"	540	9mm - 22mm	30° - 13°	140x73mmØ	0	25M	CAM030
20	Bullet	IP65	1/3"	380	3.6mm	72°	78x22mmØ	2.0	Nil	CAM018
20	Outdoor	IP66	Sony 1/3"	480	3.5mm - 8mm	85° - 43°	130x83mmØ	0.8	Nil	CAM244
20	Box	IP55	CMOS B&W	320	-	-	45x40x40mm	0.2	10M	LTC601BS
20	Outdoor	IP65	Sharp 1/3"	420	3.6mm	72°	76x50mmØ	0.1	10M	KTK801C
21	PIR Spy	Indoor	Sony 1/3"	650	3.6mm	72°	70x40x120mm	1.0	Nil	CAM292
21	PIR Spy	Indoor	Sony 1/4"	380	3.8mm	90°	60x40x115mm	2.0	Nil	CAM012
21	Fire Spy	Indoor	Sony 1/3"	650	3.6mm	57°	70x40x119mm	1.0	Nil	CAM013
22	Box w/ Lens	Indoor	Sony HQ1 1/3"	540	3mm - 10mm	30° - 95°	140x55x47mm	0	15M	CAM033
22	Box w/ Lens	Indoor	Sony 1/4"	480	4mm - 85mm +D	65° - 3°	60x60x103mm	1.0	Nil	CAM011

### NETWORK CAMERAS & PROFESSIONAL CS LENS CAMERAS

This list does not include all cameras in range, please see page 22 and on for professional installer cameras.

**NOTE:** Specifications are generalised and may change without notice. All care and no responsibility taken.





# 21 SECURITY SURVEILLANCE

21 SECURITY SURVEILLANCE

## → Snake Inspection Cameras

### SNAKE INSPECTION CAMERA USB

#### REQUIRES LAPTOP

IR Illuminated camera connects to USB Computer as a WEBCAM for viewing.

Camera VGA CMOS 640x480px  
 Lens Field Of View 54°  
 Focus 60mm to Infinite  
 Neck 600mm x 8.5mmØ  
 Tip 50x14mmØ  
 Total 880mm Long



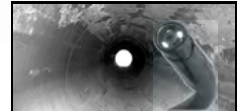
Code  
USB206

### SNAKE INSPECTION CAMERA 2.4" PRO

#### VGA RESOLUTION WITH VIDEO OUTPUT & CARRY CASE

1 Metre long metal gooseneck 7mmØ  
 10mmØ CMOS Camera F2.8 FOV 54°  
 LED Illuminated brightness adjust  
 Submersible head & neck IP67  
 80x80x60mm IP22 casing  
 2.4" LCD 234x320px  
 NTSC Video output RCA  
 Requires 4x "AA"

Code  
GB7810



### SNAKE INSPECTION CAMERA 2.4"

#### INLINE STYLE 480x234px

1 Metre long metal gooseneck 7mmØ  
 9mmØ CMOS Camera FOV 45°  
 LED Illuminated brightness adjust  
 IP67 Submersible head & neck  
 200x85x60mm casing  
 2.4" LCD 234x480px  
 Hook, mag, mirror tips  
 Requires 4x "AA"

Code  
G6000



### SNAKE INSPECTION CAMERA 2.7"

#### RECORD & ZOOM 640x480px

1 Metre long metal gooseneck 7mmØ  
 9mmØ CMOS Camera FOV 36°  
 LED Illuminated brightness adjust  
 IP67 Submersible head & neck  
 263x86x49mm casing  
 2.7" LCD 640x480px  
 Hook, mag, mirror tips  
 Requires 4x "AA"  
 Recordable image VGA  
 Requires MicroSD card  
 USB video file transfer  
 Video RCA Output

Code  
G8000

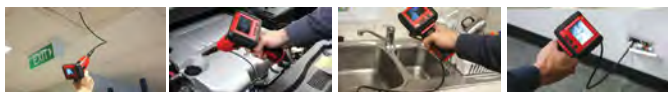


### SNAKE INSPECTION CAMERA 2.5" WIRELESS

#### REMOVEABLE MONITOR WITH CONTROL

1 Metre long metal gooseneck 7mmØ  
 9mmØ CMOS Camera FOV 36°  
 LED Illuminated brightness adjust  
 IP67 Submersible head & neck  
 195x165x55mm pistol casing  
 Detachable wireless monitor  
 2.4" LCD 234x480px  
 Hook, mag, mirror tips  
 Pistol Requires 4x "AA"  
 Monitor inbuilt rechargeable  
 Mains charger included

Code  
G9000



### SNAKE INSPECTION CAMERA 3.5" WIRELESS

#### RECORDING & ZOOM WITH CARRY CASE

1 Metre long metal gooseneck 7mmØ  
 9mmØ CMOS Camera FOV 36°  
 LED Illuminated brightness adjust  
 IP67 Submersible head & neck  
 195x165x55mm pistol casing  
 Detachable wireless monitor  
 3.5" LCD 640x480px  
 Hook, mag, mirror tips  
 Pistol Requires 4x "AA"  
 Monitor inbuilt rechargeable  
 Mains charger included  
 Recorder function to  
 MicroSD Card required.  
 Video output to RCA  
 USB for file transfer  
 Digital zoom. OSD.  
 Includes carry case.

Code  
G9500HC



### EXTENSION CABLE

#### 1 METRE GOOSENECK

Suits G6000, G8000, G9000, G9500HC

Code  
EC1



### CAMERA HEAD UPGRADE

#### 5mm DIAMETER HEAD

Extra flexible camera head solution. IP65.  
 640x480px CMOS CCD

Code  
CH55







→ **Monitors**

## PORTABLE TECHNICIANS LCD MONITOR

### BATTERY OPERATED CAMERA TESTER

Professional camera installation monitor. Battery operated unit for quickly testing and confirming view of camera installations. Simply plug-in at the camera point for setup. Suits the Installer. Candy-tray neck strap. Built-In 12V 1Ah NiMH 2-3Hrs. With recharger. Two RCA Video inputs. PAL/NTSC. Audio. Complete Kits. Available in Two sizes:

4" (10cm) TFT-LCD 480x234  
7" (17cm) TFT-LCD 1152x234

Size	Code
4"	LSM413
7"	LSM713



## PALM SIZED WRIST MONITOR

### 3.5" COLOUR LCD SCREEN

Wear it hands-free on your wrist and allows you to hold onto the ladder and adjust a camera angle, focus, zoom, etc. Powered from rechargeable 4x AA batteries included. Compact, light, yet large enough to view a camera's image clearly 480x360px for concise setup viewing. Velcro wrist strap, stand, cables and charger included.

Code
MO35LCD



## 7" TFT-LCD PC & TV TOUCH SCREEN

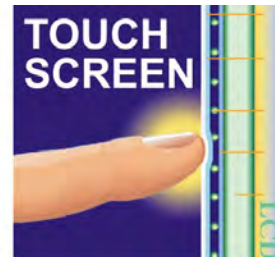
### WIDE-SCREEN 16:9 PC/TV/TUNER

High Resolution 800x480 pixels PC Monitor and Video Monitor & TV Tuner in one unit. USB Connection for touch screen control simulates a mouse with windows software. Excellent solution for a no keyboard PC Like in Cars, RVs, Trucks with GPS, etc. Inputs: 3x RCA CVBS and 1x HD15 PC Inbuilt speaker. Compact 188x125x33mm For use with 12Vdc includes car adaptor. Includes desk/dash stand. Remote control.

Code
MON618TV

### WITHOUT TV-TUNER OPTION

Code
MON619GL





## → PTZ Decoders

### RECEIVER DRIVER BOX

#### RS485 TO CAMERA DECODER

End-of-line control receiver connects a camera automation to the serial data RS485 bus from DVR or Keyboard control. Address code settable 64-ID Multiple protocol compatible drives standard & continuous rotation 24Vac pan/tilt units and 6-12Vdc camera lens with Zoom, focus and iris control. Two auxiliary functions (relay) Manchester code communication AD/AB Series matrix systems Watchdog AD1641 compatible anti-jamming. Thunder-proof. Optical isolation protected. Accepts 24Vac or 240Vac power Under-eave weather resistance Aluminium box 145x195x55mm



Code  
CA901

### RECEIVER DRIVER BOX

#### RS485 TO CAMERA DECODER

End-of-line control receiver connects a camera automation to the serial data RS485 bus from DVR or Keyboard control. Address code settable 64-ID Multiple protocol compatible Drives standard & continuous rotation 24Vac pan/tilt units and 6-12Vdc camera lens with Zoom, focus and iris control Two auxiliary functions (relay) Manchester code communication AD/AB Series matrix systems Watchdog AD1641 compatible Anti-jamming. Thunder-proof. Optical isolation protected. Accepts 24Vac or 240Vac power



IP68 fully weather proof box  
Cast-Iron case 230x150x75mm

Code  
CA902

### RS485 HUB 7-WAY SPLITTER

Essential accessory for your control system expansion. Required if your setup is not conducive to daisy-chain and a radiating wiring type configuration is preferable. This RS485 network HUB is the centre of the cable star eg. The DVR or Keyboard-Controller is connected to the Input of the RS485-HUB and then up-to 128 devices can be then daisy-chained to any of the seven RS485 outputs. No signal data modification is performed, the RS485 is buffered to specification for long multiple cable runs RS485 is a true multi-point communications network that is a robust, bi-directional system that in itself handles data collisions and bus contentions, etc. Isolated fault issues will not impede over-all operation. Up-to 32 devices can be connected to a single output. Each output uses a ESD hardened RS485 specification buffer that transorbs any noise and spike suppression. Housed in a quality professional metal cabinet. All screw terminal connections 4-Wires each Direct IDC mains power connect 320x50x140mm

Code  
CA910



### RS232-RS485 CONVERTER

#### DVR & PC-OUT TO BUS

Bi-directional diversion converts RS232 to RS485 data signal transmission. No additional power required. Supports 1200M distance 128 Node 115.2K Speed Anti-thunder. Anti-static.

Code  
CA903



### RS232-RS485 DUAL CHANNEL

#### OPTO-ISOLATION VERSION

Bi-directional diversion converts RS232 to RS485 data signal transmission. Outputs to two channels. Supports 2KM distance 128 Node 115.2K Speed Anti-thunder. Anti-static.

Code  
CA906



### RS485 SPLITTER X4

#### LINE MAGNIFIER

Line amplifier splitter. Accepts RS485 twisted pair wire input RS485. Outputs four RS485 line twisted pair up to 2Km. All screw terminals. Powerpack included 9Vdc

Code  
CA908



### RS485 PROTOCOL CONVERTER

#### PROTOCOL DIVERSION

Change the protocol and baud rate of the serial data communication bus. Twisted wire pair input & output screw terminals. Dip switch programming Metal box + Powerpack.

Code  
CA907



### SECURITY CABLE



#### TWISTED PAIR 5mm O/D Fire Retardant PVC

Description	Length	Code
4 Core Security Cable	100M	SEC414WH-100
4 Core Security Cable	100M	SEC414GY-100
6 Core Security Cable	100M	SEC614WH-100
6 Core Security Cable	100M	SEC614GY-100

More "Twisted-Pair" is available as Ethernet cable CAT5/6e and other styles like Telephone, etc. See Section 13 CABLE & ACCESSORIES...

#### TWISTED PAIR DROP CABLE

High grade, high current, low loss, low capacitancem Twisted pair in black PVC Jacket, ideal for running through walls and areas which are damp and prone to water penetration or applications where a better quality cable is required. 8mm Outer shieth 1mm thick. 3mm with 48 strands x 0.2mm x 2 core, 300Vac max.

Length Code  
100M CAB4822





## → PTZ Controllers

### KEYBOARD CONTROLLER

#### 35 KEY + 2D STICK

Control High Speed Dome, PTZ cameras and DVRs. 2D Joystick 64 step speed Multi-layer user password 24x2 LCD display module Control up to 1024 cameras 10x DVR control protocols. Does not have control matrix system or alarm functions.

**Control ports:**  
RS232 x1 (DVR)  
RS485 x2 (Dome)  
35 Keys + Stick

Code  
KBD9005



### KEYBOARD CONTROLLER

#### 30 KEY + 3D STICK

Control High Speed Dome, PTZ cameras, DVRs and Matrix PELCO P/D control. Popular quick keys plus 3-Axis Joystick panning. Twist for zooming in/out 24x2 LCD display module. Multi-Protocol & Baud rate. Control up to 32 cameras. Professionally functional Small desktop foot-print RJ45 Port (for RS485) and RS485 & RS422 Terminals.

Size Code  
218x180x55mm KBD9003



### KEYBOARD CONTROLLER

#### 33 KEY + 3D STICK

Control High Speed Dome, PTZ cameras and DVRs. Direct DVR control keys 3-Axis Joystick panning. Twist for zooming in/out 24x2 LCD display module for easy TXT menu system. Multi-Protocol & Baud rate. Control up to 255 cameras. Professionally functional Size 336x181x59mm 1x RS485 Comm-Port 1x RJ45 Lead supplied 240Vac PowerPack.

Code  
KBD9001



### CCTV POWER SUPPLY WALL MOUNT

#### 18x 12Vdc @ 500mA OUTPUTS

150W Total. 18 outputs, individually fused. 18 LED power indicators for quick supply inspection. Screw terminal connections lockable, two keys supplied. Powder coated metal housing. Input Voltage 240Vac. Output Voltage 12Vdc 18x 500mA (9A) 12A max.

Description Size Code  
12V 18CH SMP 312x205x50mm SMP12V18CH

#### UPS VERSION

120W. Space in cabinet for 12V battery for power backup. Battery sold separately.

Description Size Code  
12V 18CH UPS 271x213x94mm SMP12V18CH-UPS  
12V 7Ah Backup 65x150x 95mm PG7-12



### CCTV POWER SUPPLY 19" RACK MOUNT

#### 16 PORT RACK MOUNT

Professional power solution. Compact and efficient supply 16 outputs, 16x individually fused & LED power indicators for quick supply inspection. 1.8M power cable included. Size 515x260x128mm.

Output	Channel	Input	Code
12VDC 10A	16CH	100-240AC	RPU121016
24VAC 10A	16CH	240VAC	RPU241016





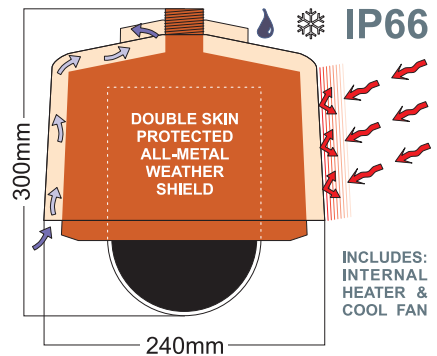
## → Cameras

### ↓ Speed Dome

#### PTZ - PROFESSIONAL SPEED DOME CAMERAS

##### OPTIONAL INBUILT INTELLIGENT AUTO-TRACKING & ALARM

Complete enclosed units with optics, electrics, mechanism and processing. This series of products can deal with video collection, image analysis, intelligent recognition, automatic speed shift control, alarm and notifications, and have the functions of video, gesture control, direction and lens pre-set, movement target check, recognition & tracking. Moving target automatic tracking technology removes manual hand operation. Realise automatic alarm linkage. 24 point target pre-set panning programs. Multiple control protocols are compatible, and baud rate can be adjusted. Pan, continuous rotation, Tilt 10°-100°, automatic overturn, High speed. Iris, back light, focus, white balance and many optics parameters can be adjusted automatically/manually with no need of special control equipment. IP66 Weather protection with cooler fan & heater-demister auto-thermostat. Outstanding functions, high-level intelligence are the remarkable features of this high-speed dome cameras. Perfect automatic tracking and alarming can in the first time track target automatically when inspected area is changing, with or without an inspector always on the spot and in control.



#### AUTO-TRACKING HIGH-SPEED DOME CAMERA

##### INBUILT INTELLIGENT TRACKING

Hitachi 1/4" 540 TVL CCD 0.7 Lux (Colour) to 0.01 Lux (B&W)  
Wide-Telephoto Lens 4mm to 86mm 23x Optical + 10x Digital Zoom  
High-Speed from 1° to 360°/sec 24 point programmable auto panning  
7 Alarm inputs and 2 alarm outputs. Automatic tracking omni-directional OSD, PC or RS485 Keyboard controller. Heavy-duty long-life construction Attractive metal beige bell housing. Auto-thermal demister & fan cooler 300x240mmØ Requires Mount Bracket DAY & NIGHT Super Eye CCD.

PTZ	RS485
CCD	Hitachi 1/4"
TVL	540
FOV	360°+180°
Zoom	23x Optical
Size	300x240mmØ
Type	PTZ Dome
LUX	0
Code	CAM502



#### HIGH-SPEED DOME CAMERA SYSTEM

##### PROGRAMMABLE PANNING + ALARM

24 Point programmable panning schedule  
7 input, 2 output alarm control wires  
OSD or PC or RS485 Keyboard controller.  
High Resolution 480 TV Lines Sony CCD  
18x Optical + 10x Digital Zoom (180x)  
Metal 300x240mmØ Requires Bracket.

**DAY & NIGHT** Super Eye CCD  
Sony 1/4" Super-HAD 0.01 Lux IR CCD

Code  
CAM501

**DAY** Constant Illumination  
Sony 1/4" Super-HAD 0.7 Lux CCD

Code  
CAM500



#### BRACKET REQUIRED

##### CEILING PENDENT 6"

Hangs camera from ceiling  
Metal mast length 230mm

Code  
MB1005



MB1005

##### WALL BRACKET ARM

Metal construction 320mm

Code  
MB1004



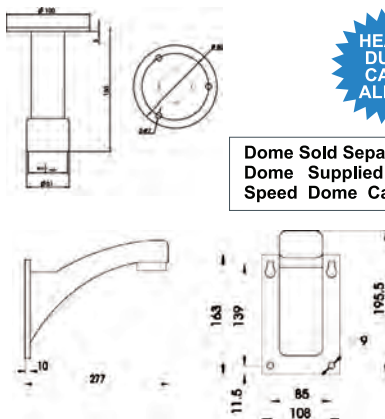
MB1004

##### WALL BRACKET & BOX

Arm with connection box  
Mounts On-Wall 380mm

Code  
MB1006

No Dome



HEAVY DUTY CAST ALLOY

Dome Sold Separately  
Dome Supplied with Speed Dome Camera

MB1006 also Includes Surface-Mount Junction Box 380mm

IP66

Dome Supplied Separate



## ↓ Speed Dome

### SPEED-DOME PTZ COMPACT

#### RS485 CONTROLLED WITH 10X OPTICAL ZOOM

High speed pan & zoom. Requires PTZ controller PELCOD & PELCOP RS485  
 360° Continuous rotation. 180° Tilt with auto-flip. Programmable tours and 4 input alarm settings. 128 preset positions 4 tours, 4 patterns. Temperature sensed inbuilt heater & fan. Auto iris, Auto focus. Mechanical 10x Zoom and 10x digital Zoom Samsung 1/4" BLC. AGC. WLC. Day/Night, Colour/B&W, 0.7LUX/0.005LUX, 500TVL/570TVL.

Programmable Paths & Tours  
 Auto Focus & Auto  
 Iris Inbuilt Heater & Fan  
 100x Zoom (Optical & Digital)  
 Includes Flush-Mount Kit

PTZ	RS485
CCD	Samsung 1/4"
TVL	500
Zoom	10x Optical
Size	130x140mmØ
Code	CAM266



### SPEED-DOME CAMERA PTZ FLUSH

#### RS485/422 CONTROLLED WITH 27X OPTICAL ZOOM

Low profile style with Vandal proof design. 6" Ceiling cavity cabinet  
 27x Optical Zoom Lens. 480 TVL Colour 1/4" CCD. Super light sensitive 0.01 Lux. DSP enhanced. Inbuilt RS485 decoder, Multi-protocol & baud. 4x programmable tours. No-Go masking zones. Super silent operation 360° continuous pan 180° V with auto flip.

Type	PTZ Dome
CCD	Sony 1/4"
TVL	480
LUX	0.01
Zoom	27x Optical
Size	90x210mmØ
Code	CAM236



### SPEED-DOME CAMERA PTZ MEGAPIXEL NETWORKED

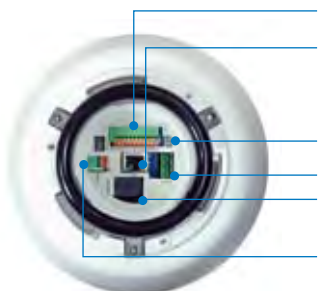
#### DAY/NIGHT OUTDOOR

Professional performance speed dome network camera offering 2-Megapixel or 1080P resolution with superb image quality. Adopting 18x optical zoom lens and 1/2.8" Sony Progressive Scan CMOS sensor. The IP66-rated housing protects the camera body against rain and dust and the wide temperature range (-40°C ~ 55°C) It is especially suitable for monitoring wide open indoor/outdoor spaces such as shopping centres, recreation clubs and parking lots where high-level reliability and precision are always required.

1/2.8" Sony Progressive Scan CMOS in 2MP resolution  
 Full HD(1920x1080)@30fps, 720P(1280x720)@60fps  
 Supports H.264/MJPEG and dual streams  
 18x Optical Zoom Lens

WDR (Wide Dynamic Range) for High Contrast Environments  
 Removable IR-cut Filter for Day and Night Function  
 Weather-proof IP66 rated Housing Built-in Heater & Fan  
 3D Privacy Masks for Private Area Protection  
 Built-in 802.3at Compliant PoE Plus & AC24V  
 Built-in Micro SD/SDHC card slot for local storage  
 Bundled with 64-Channel LevelOne IP CamSecure  
 Includes wall arm. Optional accessories available.

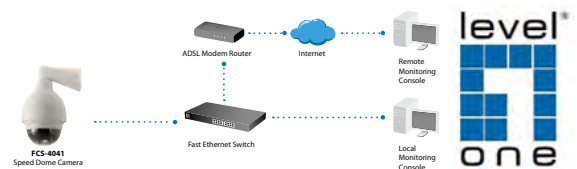
Type	PTZ PoE
PTZ	IP Network
CCD	1/2.8" Sony
TVL	1080p
Zoom	18x Optical
LUX	Day
Size	280x190mmØ
Code	FCS-4041



1. ALARM I/O
2. RJ-45 Connector
3. Factory Reset Button
4. Power
5. Micro SD Card Slot
6. Audio I/O



au.level1.com





# 21 SECURITY SURVEILLANCE

## ↓ Dome Indoor

### INDOOR DOME CAMERA MINI 2 1/2"

#### CHANGEABLE MTV LENS

Compact colour CCD ceiling or wall mount. Excellent economical with good picture for multi camera setups. Only 60x87mmØ in size. Indoor 2 LUX Camera, Sony 1/3", Changeable MTV lenses.

CAM291 has ATR, DNR, OSD with external Joystick menu controller.

CCD	Sony 1/3"	Sony 1/3" Effio-E
TVL	420	700
FOV	72°	72°
Lens	3.6mm MTV	3.6mm MTV
Size	60x87mmØ	60x87mmØ
Code	CAM214	CAM291



CAM291 Only

### INDOOR DOME CAMERA

Taiwan manufactured Hi-Grade Electronics Beige coloured.

MTV Lens system. Change the Lens to Change the FOV

CCD	Sony 1/3"
FOV	72°
Lens	3.6mm MTV
TVL	540
Size	75x112mmØ
Code	CAM003



PROLINK

### BALL CAMERA NIGHT INDOOR

Tough plastic casing, off-white. Ball type 3-Axis adjustable. Indoor with IR Night vision.

CCD	Sony 1/3"	Sony 1/3"
TVL	480	540
FOV	72°	72°
Lens	3.6mm MTV	3.6mm MTV
Size	95x75mmØ	95x75mmØ
Code	CAM233	CAM031



MTV Lens are changeable to different focal length versions.

### INDOOR DOME CAMERA

Wall or ceiling mounting. Ball-Socket adjustment of camera angle tilt/rotate. MTV Lens. Low lux. Indoor only. Plastic casing. CAM301 has ATR, DNR, OSD with external Joystick menu controller.

CCD	Sony 1/3"	Sony 1/3" Effio
TVL	420	700
FOV	72°	72°
Lens	3.6mm MTV	3.6mm MTV
Size	82x120mmØ	82x120mmØ
Code	CAM300	CAM301



CAM301 Only

### INDOOR DOME CAMERA VARI-FOCAL

#### SONY SUPER-HAD 1/3" CCD WITH ZOOM

Manual Zoom adjustment Vari-focal. Switchable I/O for AES, BLC, AGC, Mirror. DSP processing for faster compensations. Super Noise Reduction. 3-Axis mount including lens rotation for easy setup wall or ceiling. No IR. Indoor only. Clear plastic dome.

CAM263 and CAM271 has DWDR, ATR, DNR, OSD with external Joystick menu controller.

CCD	Sony 1/3"	Sony 1/3"	Sony 1/3" Effio-E
TVL	420	600	700
LUX	0.1	0.1	0.1
Zoom	3.6mm - 8mm	3.6mm - 8mm	3.6mm - 8mm
FOV	45° - 90°	45° - 90°	45° - 90°
Size	118x106mmØ	118x106mmØ	118x106mmØ
Code	CAM262	CAM263	CAM271



OSD = On Screen Display with Joystick controller CAM271 Only

### INDOOR DOME CAMERA VARI-FOCAL IR

#### AUTOMATIC NIGHT VISION

Manual Zoom adjustment 2.8mm-12mm Vari-focal Quality glass CS lens AES, BLC, AGC, Mirror. New improved 12 bit DSP processing for faster compensations and noise reduction. IR-CUT filter switch for night as day view. 3-Axis mount (with rotate). IR Illuminated 17 LEDs View 20 Metres.

CAM257 has ATR, DNR, OSD with external Joystick menu controller.

TVL	480	700
CCD	Sony 1/3"	Sony 1/3" Effio-E
Zoom	2.8mm - 12mm	2.8mm - 12mm
FOV	30° - 60°	30° - 60°
Size	149x99mmØ	149x99mmØ
IR	20M	20M
LUX	0	0
Code	CAM256	CAM257



DWDR = Wide Dynamic Range  
ATR = Adaptive Tone Reproduction  
OSD = On Screen Display CAM257



## ↓ Dome Vandal-Proof

### DOME CAMERA VANDAL PROOF

#### VARIFOCAL MANUAL ZOOM

Vandalproof Dome Camera. SONY Color CCD. 3-Axis bracket built-in. Weatherproof cast alloy vandal-proof encasing with plastic dome. CAM302 has ATR, DNR, OSD with external Joystick menu controller.

CCD	Sony 1/3"	Sony 1/3" Effio-E
TVL	420	700
FOV	30° - 60°	30° - 60°
Zoom	2.8mm - 12mm	2.8mm - 12mm
Size	92x117mmØ	92x117mmØ
LUX	0.01	0.01
Code	CAM285	CAM302



CAM302 Controller



### DOME CAMERA VANDAL PROOF ZOOM

#### VERIFOCAL MANUAL ZOOM

Excellent, sturdy, low-profile dome. Premium optics, manual zoom, manual focus, electronic iris. 3D DNR processor. Aluminium cast housing IP65. No IR.

CCD	Sony 1/3"
TVL	600
FOV	30° - 72°
Zoom	2.8mm - 10mm
Size	83x112mmØ
LUX	0.0002
Code	CAM280



### DOME CAMERA VANDAL PROOF ZOOM

Aluminium case sealed IP55 weather resistance. Vandal resistant design. Suitable for outside use. Manual Zoom adjustment. Locked cam positioning. Beige coated metal base. Excellent electrics and optics for HQ picture.

CCD	Sony 1/3"
TVL	540
FOV	45° - 90°
Zoom	3.6mm - 8mm
Size	85x115mmØ
Code	CAM219



### DOME CAMERA VANDAL PROOF ZOOM IR

#### MANUAL ZOOM ADJUSTMENT

3.5mm-8.0mm Vari-focal. Quality glass lens. IR LEDS 15 metres. Zero lux viewing 180° reversal switch 3 Axis adj. Cast metal base. IP66 Vandal proof case. Conduit side entry or behind base. Conduit Side Cable Entry or Behind Base Cable Entry 180° Reversal Switched & 3-Axis Lens Rotation Night Vision IR Illuminated 15 Metres

CCD	Sharp 1/4"	Sony 1/3"
TVL	420	540
FOV	45° - 90°	45° - 90°
Zoom	3.5mm - 8mm	3.5mm - 8mm
Size	128x91mmØ	128x91mmØ
Code	CAM248	CAM249





## ↓ Dome Vandal-Proof

### DOME CAMERA ZOOM

#### OUTDOOR VANDAL RESISTANT

White aluminium case sealed  
 Weather & vandal-resistant IP66.  
 Suit inside or outdoor mount.  
 Rotate cam internally locks.  
 Zoom Lens also tilts (3 Axis)  
 Excellent quality glass. OSD.  
 Available in two CCDs  
 Sony 1/3" CCD Super-HAD HQ1  
 0.2 Lux Motor Driven Auto Iris.  
 New Pixim Seawolf DPS Sensor  
 with individual pixel electronic iris.

CCD	Sony 1/3"	Pixim 1/3" Seawolf
TVL	600	690
FOV	30° - 100°	20° - 110°
Zoom	3mm - 10mm	2.8mm - 12mm
Size	100x145mmØ	100x145mmØ
Code	CAM028	CAM303



#### WALL BRACKET OPTION

Code MB1009



### DOME CAMERA IR ZOOM

#### VARIFOCAL 3.5-8.0mm

All metal construction. Attractive professional.  
 Mechanical zoom adjust. Sony 1/3" 600 TVL 0.1 Lux.  
 Weather proof IP55 180x130x140mm Wall Mount.  
 Zoom 90° to 45° FOV.  
 Day/Night version has IR Illumination.

Description	Daytime	DayNight
IR	Nil	15M
CCD	Sony 1/3"	Sony 1/3"
TVL	600	600
FOV	30° - 72°	30° - 72°
Zoom	3.5mm - 8mm	3.5mm - 8mm
LUX	0.1	0
Size	180x130x140mm	180x130x140mm
Outdoor	IP55	IP55
Code	CAM272	CAM273



### BALL-JOINT CAMERA OUTDOOR

#### VARIFOCAL 420TVL

Ball-N-Socket joint 3D Rotates, twists, turns. Adjustable zoom & focus  
 42 LED IR Illumination Up to 40M Night viewing. Large intimidating  
 design. Tough aluminium construction. All weather resistant IP65.  
 Vandal-Proof wall/ceiling attachment with security screws.  
 Sony Super-HAD CCD. 125mmØ Base. 150mm tall.

CCD	Sony 1/4"
Resolution	420TVL
Zoom	4mm - 9mm
FOV	25° - 50°
Size	150x125mmØ
Code	CAM267







## ↓ Dome Vandal-Proof

### DOME CAMERA NIGHT ZOOM

#### MANUAL VARIFOCAL

Outdoor Vandal-proof IP65 cased in an attractive alloy finish. Ball-n-socket design. Screw adjustments for focus & zoom. IR Illuminated 30M.



CAM270 & CAM234 Only



Zoom	2.8mm - 10mm					
FOV	30° - 82°					
Size	90x120mmØ					
CCD	Sony 1/3"			Sony 1/3" Super WDR		
TVL	420	420	700	700	700	700
Colour	Grey	White	Grey	White	Grey	White
Code	CAM277GY	CAM277WH	CAM234GY	CAM234WH	CAM270GY	CAM270WH

CAM234 & CAM270 has ATR, DNR, OSD with external Joystick menu controller.  
CAM270 has in addition, Super Wide Dynamic Range CCD, 3D-NR, Demister, SCR & Sense Up.

### DOME CAMERA COMPACT BALL

#### IR & VANDALPROOF

Aluminium case sealed. High weather resistance. Vandal resistant design. Suitable for outside use. IR Illuminated 24 LEDs.

CAM289 has DNR but no OSD features. CAM299 with DWDR, DNR and OSD with external Joystick menu controller. CAM293 has ATR, DNR, OSD with external Joystick menu controller.



CAM293 Only



FOV	45°					
Lens	3.6mm MTV					
Size	69x94mmØ					
IR	20M					
CCD	Sony 1/3"		Sharp 1/3"		Sony 1/3" Effio-E	
TVL	420		600		700	
Colour	White	Grey	White	Grey	White	Grey
Code	CAM289WH	CAM289GY	CAM299WH	CAM299GY	CAM293WH	CAM293GY

DWDR = Wide Dynamic Range  
ATR = Adaptive Tone Reproduction

### DOME CAMERA TWIN-CCD

#### NIGHT-IS-DAY SUPER CAMERA

Outdoor Vandal Alloy Cased. Unique Day/Night Solution Sony Dual Camera in 1 dome. Switches to the IR sensitive High-Gain B&W Night Camera for clear as day in total dark. Attractive alloy finish assembly Colour CCD 540 TVL 3.6mm MTV & B&W EX-View 600 TVL 3.6mm MTV IR Illuminated 30M Auto-Switch 100x120mmØ Aluminium. IP65

CCD	Sony 1/3"
TVL	540
FOV	72°
Lens	3.6mm MTVx2
Size	100x120mmØ
IR	35M
Code	CAM220

#### MTV LENS AVAILABLE

Change the lens for changing FOV





## ↓ Outdoor

### OUTDOOR CAMERA IR ZOOM

#### IP66 OUTDOOR WEATHER PROOF

Aluminium case weather proof with high brightness IR Illumination for excellent Night vision.

Standard & Deluxe models.

Includes wall mount stand.

\*CAM274: OSD Menu, Controller, Super WDR, 2D/3D NR Demist, SLR, Sense-up.

CCD	Sony 1/3"	Sony 1/3"	Sony 1/3" WDR
TVL	480	700	700*
FOV	22° - 100°	22° - 100°	22° - 100°
Zoom	2.8mm - 12mm	2.8mm - 12mm	2.8mm - 12mm
IR	40M	40M	40M
Size	155x85mmØ	155x85mmØ	155x85mmØ
Code	CAM283	CAM228	CAM274



### OUTDOOR CAMERA IR ZOOM

#### IP66 OUTDOOR WEATHER PROOF

Heavy-Duty aluminium case weather proof with high brightness IR Illumination for excellent Night vision.

Basic model CAM304 & Deluxe models with the new Sony CCD 672/673 AVS03 700TVL. Includes wall mount stand.

\*CAM305 & CAM307 : OSD Menu, Controller, Super WDR, 2D/3D NR Demist, SLR, Sense-up, Low illumination.

CCD	Sony 1/3"	Sony 1/3" Super WDR	Sony 1/3" Super WDR
TVL	480	700*	700*
FOV	22° - 100°	22° - 100°	10° - 32°
Zoom	2.8mm - 12mm	2.8mm - 12mm	8mm - 20mm
IR	60M	60M	60M
Size	240x186x100m	240x186x100m	240x186x100m
Code	CAM304	CAM305	CAM307



\*CAM305 & CAM307 : OSD Menu, Controller, Super WDR, 2D/3D NR Demist, SLR, Sense-up.

### CAR PARK CAMERA

#### IR & WATERPROOF WITH CAR HEADLIGHT ANTI-GLARE COMPENSATION

HLM High Light Restrain This IR Camera can still view car license plate numbers even with headlight glare. External adjustments for IR brightness & sensitivity.

External LDR Light reference (to ignore headlight glare) Hi-Def 1/3" Sony CCD 520TVL 16mm Lens. 53 LED (50M) for infra-red capture 175x100x90mm no arm.

All metal construction Glass facia IP66

CCD	Sony 1/3"
TVL	520
Zoom	16mm
FOV	17°
Size	175x100x90mm
IR	50M
Code	CAM250

View number plates through headlight glare at night  
W/ External trim adjustment  
IR 53x LEDs 50 Metres  
Weather Resistant IP66



SENSOR TRIM

### OUTDOOR CAMERA CLASSIC STYLE

Weather resistant IP66 Flip-Top outdoor eextruded aluminium beige. Includes heater & blower. Internal box camera with Sony Super HAD.

Mechanical auto-iris. Veri-focal manual zoom 6-15mm Telephoto lens.

80x IR LED 50 Metres. Professional outdoor 390x142x110mm.

Includes mounting arm. Requires 12V 2A power.

Day/Night Shift (Colour/B&W)

IR 80x LEDs 50 Metres

Inbuilt Heater & Fan

Weather Resistant IP65

CCD	Sony 1/3"
TVL	550
Zoom	6mm - 15mm
FOV	15° - 45°
Size	390x142x110mm
Code	CAM034



### OUTDOOR CAMERA ZOOM 100 METRES

#### SUPER IR ILLUMINATED TELEPHOTO ELECTRONIC ZOOM LENS

Electronic 22x Optical Zoom 12x Digital Zoom remote controllable.

IP66 Weather Proof all metal heavy-duty aluminium cabinet.

Requires mounting arm solution.

OSD Menu. 4 control wires.

CCD	Sony 1/3"
TVL	480
FOV	22x 10x
Zoom	4mm - 86mm
IR	100M
Size	185x110mmØ
Code	CAM246



PROLINK

REQUIRES MOUNTING ARM  
Available separately See following pages...



## ↓ Outdoor

### OUTDOOR CAMERA NIGHT VISION ZOOM

#### WEATHERPROOF WALL MOUNT

Weatherproof IR Camera with 42x IR LED. 40M working distance. Water resistance IP66 rated. 2.8-12mm Manual Zoom Lens. Includes 3 axis wall/ceiling bracket. OSD Menu controlled by cable button. CAM296 and CAM297 with ATR, DNR and OSD with menu joystick.

LUX	0		
IR	40M		
Outdoor	IP66		
Size	240x186x100mm		
Zoom	2.8mm - 12mm	2.8mm - 12mm	8mm - 20mm
FOV	22° - 100°	22° - 100°	10° - 32°
CCD	Sony 1/3"	Sony 1/3" Effio-E	Sony 1/3" Effio-E
TVL	480	700*	700*
Code	CAM295	CAM296	CAM297



CAM296 & CAM297  
OSD Menu controller  
with Super WDR, 2D/3D NR  
Demist, SLR, Sense-up.

### OUTDOOR CAMERA IR ZOOM

#### IR & WEATHERPROOF NIGHT

Weatherproof IR Camera with 36x IR LED. 30M working distance. Water resistance IP66 rated. 2.8-10mm Manual Zoom Lens. Includes 3 axis wall/ceiling bracket. CAM286 has upgraded CCD and DSP with OSD Menu controlled by cable button.

Size	227x98x82mm	227x98x82mm
CCD	Sharp 1/3"	Sony 1/3" Effio-E
FOV	22° - 100°	22° - 100°
TVL	600	700
Zoom	2.8mm - 12mm	2.8mm - 12mm
LUX	0	0
Outdoor	IP66	IP66
IR	30M	30M
Code	CAM287	CAM286



CAM286: OSD  
Menu controlled  
by cable button.

### OUTDOOR CAMERA NIGHT DSP

Digital button setup OSD menu Contrast, white balance, gain, AGC BLC brightness adj. etc. Motion detect w/ icon display Programmable privacy mask. CH & Name OSD. 8x Digital zoom. Mechanical auto-iris & zoom. Auto Colour/B&W with IR-CUT. Superior night as day vision. Metal 228x97x82mm + Stand (Included) IP66 Weather shielded.

CCD	Sony 1/3"	Sony 1/3" Effio-E
TVL	450	700
FOV	22° - 100°	15° - 45°
Zoom	2.8mm - 12mm	2.8mm - 12mm
IR	Nil	40M
Size	228x97x82mm	228x97x82mm
Code	CAM294	CAM255



CAM255 has ATR, DNR,  
OSD with Joystick control.

### OUTDOOR CAMERA COMPACT

#### IR ILLUMINATED IP66 WEATHERPROOF

IP66 Weatherproof IR Camera with 3 axis wall/ceiling bracket.

CCD	Sony 1/3"	Sharp 1/3"	Sony 1/3"
TVL	480	600	650
FOV	45°	45°	45°
Lens	3.6mm	3.6mm	3.6mm
Size	86x60x55mm	86x60x55mm	86x60x55mm
Outdoor	IP66	IP66	IP66
IR	20M	20M	20M
LUX	0	0	0
Code	CAM282	CAM290	CAM298



CAM290 and CAM298  
with DWDR, DNR,  
OSD with external  
Joystick controller.



# 21 SECURITY SURVEILLANCE

## ↓ Outdoor

### OUTDOOR CAMERA IR ZOOM IP67

#### MANUAL VARIFOCAL

Sony 1/3" Super-HAD HQ1 540 TVL CCD Weather Proof IP67  
Manual set varifocal 140x73mmØ Aluminium Case & Sun Shield.  
Super High power IR Illuminates 20-30M. Day-Night vision.  
Includes wall ceiling stand and joint.

CCD	Sony 1/3"
TVL	540
Lens	9mm - 22mm
FOV	30° - 13°
Size	140x73mmØ
Code	CAM030



### CUBE CAMERA B&W CMOS

#### COMPACT METAL CASE

Small in size & cost!  
Only 45x40x40mm +Base  
Suit under eaves, etc.  
Built-in microphone.

#### B&W CMOS

320 x 240 pixel.  
46dB. 0.2 Lux.  
12Vdc 50mA

CCD	CMOS B&W
TVL	320
Size	45x40x40mm
Code	LTC601BS



### OUTDOOR CAMERA IP66 ZOOM

#### COMPACT 3.5-8.0mm

Double shield box  
Weather protection.  
Attractive functional  
with manual varifocal.  
130x83mmØ Aluminium.  
Includes wall stand.

CCD	Sony 1/3"
TVL	480
FOV	85° - 43°
Zoom	3.5mm - 8mm
Size	130x83mmØ
Code	CAM244



PROLINK

### OUTDOOR CAMERA MINI

#### MINI WEATHER-PROOF

Compact Indoor/Outdoor

CCD	Sharp 1/3"
TVL	420
FOV	72°
Lens	3.6mm
Size	76x50mmØ
Code	KTK801C



### BULLET CAMERA IP65

#### WEATHER-PROOF

Compact  
unobtrusive solution.  
Indoor or outdoor.  
Aluminium 1" tube.

CCD	1/3"
TVL	380
FOV	72°
Lens	3.6mm
Size	78x22mmØ
Code	CAM018



### LENS CLEANING CLOTH

#### NO SCRATCH WIPER

Advanced cleaning  
cloth that is lint  
free and leaves no  
residue. Ideal for  
Cleaning opticals  
like a camera lens.

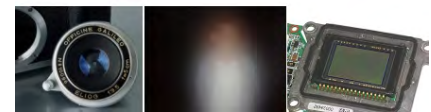
Size	Code
150x150mm	CLN1515



#### AIR-BRUSH CAN

Inert pressurised air.  
Blows dust away!

Code
CRC2066



## ↓ Microphones

### ACTIVE MICROPHONE FOR DVR

#### ACTIVE AUDIO PICKUP

High sensitivity, Low Noise microphone  
Built-in high definition, Noise reduction circuit  
Monitoring range : 50- 150 Square Metre  
Impedance : 600 ohm  
Frequency : 200 – 10Khz  
Dimension : 7 x 39mm  
Power supply : 6 – 14 VDC 300mA

Code
CCTVM1



### ACTIVE MICROPHONE FOR DVR

#### ACTIVE AUDIO PICKUP

High sensitivity, Low Noise microphone  
Built-in high definition, Noise reduction circuit  
Monitoring range : 20- 150 sqm  
Impedance : 600 ohm  
Frequency : 100 – 16Khz  
Dimension : 100 x 50mm  
Power supply : 9 – 12 VDC 300mA

Code
CCTVM2





## ↓ Clandestine

### PIR SPY CAMERA

#### NOT A PIR

Pin hole camera for unobtrusive observation. Has all the appearance of, but is not, a passive infrared detector alarm. Quality high definition image with DWDR, OSD and 3D DNR. Inline joystick controller.



Not a PIR

CCD	Sony 1/3"
TVL	650
FOV	72°
Lens	3.6mm
Size	70x40x120mm
Code	CAM292

### PIR SENSOR & COLOUR CCD CAMERA

#### 2-IN-1 UNIT EASY-INSTALL

Incorporates both a PIR low-noise motion sensor and a Colour CCD Camera in the one convenient installation. Audio too! Swivel mounting bracket supplied for easy aim. NO/NC relay output to alarm or DVR trigger. CCD Colour. 2 Lux 46dB BNC PAL Requires 12Vdc Not Inc.



CCD	Sony 1/4"
TVL	380
FOV	90°
Lens	3.8mm
Size	60x40x115mm
Code	CAM012

### CEILING COLOUR CCD CAMERA

#### THIS IS NOT A SMOKE DETECTOR

Designed for stealth installations. Place on a ceiling where a hidden surveillance camera is felicitous. Pin hole lens. BNC Output. 52x125mmØ 12Vdc. DWDR, OSD, 3D DNR. This is NOT a smoke detector.



CCD	Sony 1/3"
TVL	650
FOV	57°
Lens	3.6mm
Size	70x40x119mm
Code	CAM013

### IP CAMERA FISH-EYE

H.264 2-Megapixel Fish-Eye camera that allows you to monitor all angles of a location using a fish-eye lens for a 360° panoramic wide angle view without blind spot. ePTZ function allows software PTZ control.



Type	Fish-Eye
PTZ	ePTZ
CCD	CMOS 2MP
TVL	1600x1200
Size	180x55mm
Code	FCS-3091

## ↓ Hole Mount

### SUPER-SMALL PIN-HOLE CAMERAS

Incredibly tiny Security Cameras for near invisible placement or for an easy install design. Lead out to connection sockets. 2.1mm power, RCA Composite Video out. 3.6mm. 380 TV. 3 Lux.

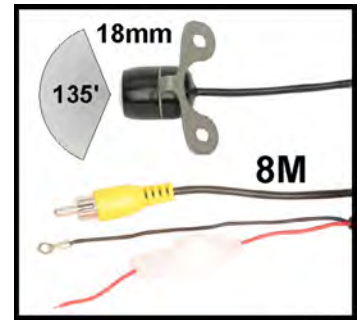
CCD	CMOS Colour	CMOS B&W
Volts	9Vdc	12Vdc
Size	20x20x20mm	15x15x15mm
Code	KTK602C	KTK707B



### SUPER-SMALL TAG MOUNT

#### WEATHER PROOF IP67

45° Mounting bracket. Body rotates on tag base to align. 130° Wide Angle FOV. Very rugged for use on vehicles, etc. Very compact 19x18mmØ. Includes 8M video cable. Requires 12Vdc 40mA. Hard wired power leads RCA Plug Video output. 2.0 Lux 6.35mm 1/4" CMOS Colour.



System	NTSC	PAL
Code	CM103	CAM104



### HOLE-MOUNT CAMERAS

#### WEATHER PROOF

Metal barrel. Flush mounting. As used with Reversing kits. 12Vdc (2.1mm) RCA Video out. Includes drill bit and connection cables.



Type	TVL	FOV	Size	IR	System	Code
CCD	420	110°	65x28mmØ	No	NTSC	CD102N
CCD	420	110°	65x28mmØ	No	PAL	CD102P
CMOS	420	92°	45x25mmØ	No	NTSC	CM101N
CMOS	420	92°	45x25mmØ	No	PAL	CM101P
CMOS	420	110°	45x25mmØ	Yes	NTSC	CE100N
CMOS	420	110°	45x25mmØ	Yes	PAL	CE100P
CCD	380	92°	50x25mmØ	No	PAL	CAM278





# 21 SECURITY SURVEILLANCE

21 SECURITY SURVEILLANCE

↓ Box

## BOX CAMERAS WITH ZOOM LENS

22x Zoom +10x Digital  
All Electronic controls via  
OSD menu system and  
rear buttons including DC  
Control for Zoom/focus\*  
S-Video or BNC output.

CCD	Sony 1/4"
TVL	480
FOV	65° - 3°
Size	60x60x103mm
Code	CAM011



### ELECTRONIC ZOOM LENS\*

The CAM011 camera has a remote controlled zoom lens built-in to the unit. Adjustment and setup is via OSD menu controlled by buttons on the housing or...



### ADAPT TO A PTZ SYSTEM

CAM0110 - PTZ Keyboard remote control is possible with an optional decoder...  
The CA901 CA902 converter boxes are for RS232/RS485 compatibility to CAM011.

Outdoor	Code
Indoor	CA901
IP68	CA902

## BOX CAMERA IR ZOOM

### NIGHT DAY HI-RES MANUAL ZOOM

1/3" Sony Super-HAD. 10x IR LEDs 15 Metre.  
Manual Varifocal Zoom. Motor driven auto iris.

CCD	Sony HQ1 1/3"
TVL	540
FOV	30° - 95°
Zoom	3mm - 10mm
IR	15M
Size	140x55x47mm
Code	CAM033



### PROLINK



↓ Box

## BOX CAMERA

### CLASSIC BOX CAMERA

Classic CCTV camera 48dB  
All metal housing professional  
4 Pin socket for Iris control port  
(Optional LNZ200)

CCD	Sharp 1/3"
TVL	420
LUX	0.5
Lens	"CS"
Size	50x60x150mm
Code	CAM010



Requires "CS" Lens

## BOX CAMERA DSP

### DIGITAL OSD SETUP

Premium quality unit. Rear push-buttons for OSD control of the advanced digital signal processor. Super HAD Sony CCD HAWK DSP, 3-Gen DNR.

CCD	Sony 1/3" Hawk DSP
TVL	600
LUX	0.01
Size	130x60x50mm
Lens	"CS" Required
Code	CAM268



REQUIRES "CS" LENS

AUTO-IRIS OPTION

## IP CAMERAS BOX TYPE

### Level1 PoE NETWORK CAM

Megapixel box cameras with inbuilt DVR and also two way audio. For details on each, see the website.



Type	Fixed Camera	Fixed Camera	Fixed Camera	Fixed Camera
CCD	CMOS 1/4"	CMOS 1/2.7"	Sony 1/3"	CMOS 1/3"
TVL	1280x800px	1920x1080px	1280x960px	1600x1200px
Lens	CS 62°	CS 65°	CS 65°	CS 75°
Size	120x60x60mm	135x76x52mm	135x76x52mm	153x72x55mm
Code	FCS-1121	FCS-1131	FCS-1141	FCS-1151

## BOX CAMERA IP NETWORK 2MP

### INTERNAL RECORDING NETWORK SYSTEM

High resolution 2.0 Megapixel 1600x1200px  
Network IP Addressable closed circuit camera  
with inbuilt motion detect recording to SD card.  
Requires "CS" High Definition Lens LNZ400/2

CCD	CMOS 1/3"
TVL	2MP
Lens	"CS"
Size	65x63x158mm
Code	CAM350



REQUIRES LENS

FOR MORE DETAILS SEE PAGE IP CAMERAS ---->





## ↓ Housing

### WEATHER PROOF OUTDOOR HOUSING

#### SHORT COMPACT VERSION

Easy access flip-top lid. Glass face plate with weather proof sealed in a Cast Alloy tube. Shorter for limited space installations. Cream enamel coated all metal construction. **Arm Not Included!** 210x90x90mm Internal.



Code  
ODH200

### WEATHER PROOF OUTDOOR HOUSING

#### WITH 24V GLASS DEMISTER

Completely professional Outdoor Weather resistant Glass face plate with Weather proof seal. Extruded Alloy tube. Brushed aluminium look Black plastic detailing Requires mounting arm. **Arm Not Included!** 410x118x107mm Ext.



ODH331  
STYLE MAY VARY DEPENDING ON STOCK

Code  
ODH331

### WEATHER PROOF OUTDOOR HOUSING

#### SLIDE-ON LID ACCESS

Excellent priced housing off-white cream painted Cast alloy metal made Weather resistant Glass face plate with end access ports all weather proof sealed. Requires mounting arm. **Arm Not Included!** 410x118x107mm Ext.



Code  
ODH332

### INDOOR CEILING HOUSING

#### WEDGE STYLE FLUSH MOUNT

Ceiling recess mount Metal flush container 90D x 120W x 320L mm Plus off white cover Plastic cover 80mm Angle height & rake adjustable cam mount Indoor ceiling use Tamper resistant inconspicuous



Code  
IDH300

## ↓ Lens

### “MTV” LENS

#### COMPATIBLE WITH OUR CAMERAS LABELLED AS “MTV LENS”

Many modern CCTV cameras use a miniature lens system “MTV” coupled directly to the CCD board via an M12 (1/2”) screw fixture for interchanging lenses with different specifications for FOV, etc.

F-Rating	Lens	FOV	Code
1.2	2.8mm	136°	LNZ310
1.2	3.6mm	90°	LNZ308
1.2	6mm	45°	LNZ303
1.8	8mm	33°	LNZ304
1.2	12mm	22°	LNZ305
1.6	16mm	15°	LNZ306



### “CS” LENS FIXED FOV

#### IRIS & FOCUS ADJUSTMENT

Suits CCTV 1/3” CCD cameras Manual aperture ring (iris) Manual focus adjustment. (x) distance from, view 6Ft

F-Rating	Lens	View Type	FOV	Code
1.2	2.8mm	Ex-Wide (5)	90°	LNZ099
1.2	4mm	V-Wide (7)	60°	LNZ100
1.2	6mm	Wide (10)	45°	LNZ101
1.2	8mm	Normal (14)	33°	LNZ102
1.2	12mm	Narrow (20)	22°	LNZ103
1.2	16mm	V-Narrow (27)	15°	LNZ104



### “CS” LENS MANUAL ZOOM & IRIS

#### “CS” MOUNT MANUAL-IRIS & ZOOM

Suits professional CCTV “CS” Mount box Cameras. Manual adjustment rings. With locking thumb screws Iris Aperture: F1.4 to F64 Zoom & Focus Manual.

FOV	90°-45°	101°-28°
Zoom	3.5-8mm	2.8-12mm
Focal	F1.4	F1.4
Code	LNZ307	LNZ309



### “CS” LENS MANUAL ZOOM & AUTO IRIS

#### “CS” MOUNT AUTO-IRIS 3.5mm TO 8mm ZOOM

Suits professional CCTV “CS” Mount Cameras. Mechanical servo (motor). Auto-Iris Aperture. Unit With 4 pin connector. Auto adjusts f1.4 / f64. With manual adjust Zoom FOV. Made in Japan.

FOV	51°-6°	90°-45°	101°-28°
Zoom	6-60mm	3.5-8mm	2.8-12mm
Focal	F1.4	F1.4	F1.6
Code	LNZ203	LNZ200	LNZ202



### “CS” LENS HIGH DEFINITION VARI-FOCAL

#### MEGA-PIXEL TYPE

Premium glass to suit the new High Resolution, High Definition, Mega-Pixel Cameras (CAM350). Manual Varifocal zoom adjustment Available in manual or auto Iris for indoor or outdoor applications.

Type	Manual Iris	Auto Iris
Zoom	4.5mm - 10mm	2.6mm - 8mm
FOV	60° - 25°	105° - 30°
Code	LNZ400	LNZ402





# 21 SECURITY SURVEILLANCE

21 SECURITY SURVEILLANCE

## ↓ Internet Protocol [IP]

### IP CAMERA & DVR

#### SD CARD RECORDER

IP Addressable and programmable via HTTP web page. Motion detection built-in to camera records to SD-Card or HD & Emails you. LED IR Illumination for night view. Software included. SD Card optional.



Code  
WEB204

### IP CAMERA WIRELESS

#### RJ45 & WiFi VGA

Connect to IP Network via CAT5e or WiFi. IR LED for night vision. Compact. Inbuilt Mic. View via browser. 640x480px. Includes power & Stand.



Code  
CAM355

### IP CAMERA PAN-TILT & RECORDING

#### RECORDS MOTION TO SD

Remote control Pan & Tilt, Digital Zoom IP Addressable and programmable. Motion detection & tracking software records to SD-Card or Hard Disk then emails to inform you. RJ45 Network & also TV Output Remote view & control Software included.



CCD CMOS 1/4"  
TVL VGA  
IR 6 LEDs  
Size 104x98x102mm  
FOV 54°  
Code WEB206

### IP CAMERA WIRELESS PAN/TILT VGA

#### REMOTE PAN/TILT

Connect to IP Network via CAT5e or WiFi. IR LED for night vision. Inbuilt Mic & Speaker. View via browser. 640x480px.



Code  
CAM353

### IP CAMERA TP-LINK

#### 2-WAY AUDIO

No PC required on location. View and control the camera from a Web browser, bundled software, or compatible cell phone. 3GPP compatibility. Optional WiFi.



CCD	CMOS 1/4"	CMOS 1/4"
TVL	VGA MPEG4	VGA MPEG4
Size	96x58x31mm	96x58x31mm
Description	RJ45 Networked	Wireless 54Mbps
Code	TL-SC3130	TL-SC3130G

### IP CAMERA WIRELESS PAN/TILT DVR

#### WITH ALARM FEATURES

Take the latest H.264MP compression technology, support 2 way audio, WIFI, 32G SD card for recording. Mobile Phone view, especially iphone, with build-in pan/tilt and infrared IR, with alarm in/out port, support UPnP, motion detection, mail alarm etc, it is an All-in-one IP camera.



Code  
CAM354

### IP CAMERA PTZ MINI

#### COMPACT PAN & TILT

Pan 126°, Tilt 64°  
4x Digital Zoom  
32MB Memory  
Optional Wireless



Type	IP Indoor	IP WiFi
CCD	CMOS 1/4"	CMOS 1/4"
TVL	VGA	VGA
FOV	55°	55°
Lens	4.6mm	4.6mm
Size	114x52x80mm	
Code	FCS-0020	WCS-0020

### IP CAMERA

#### COMPACT MPEG4

Desktop mount webcam Network addressable With 2-Way audio. Motion detect software. Available in VGA or 1280x960px 1.3MP. Optional WiFi.



Type	IP Indoor	IP Indoor	IP WiFi
CCD	CMOS 1/5"	CMOS 1/5"	CMOS 1/5"
TVL	SXGA	VGA	VGA
Size	142x115x42mm		
Code	FCS-0040	FCS-0010	WCS-0010





↓ **DVR InBuilt**

## DVR CAMERA

### STAND-ALONE MOTION RECORDER MICRO-SD

Stand-alone, battery operated, cordless. CMOS Camera and Motion Detector. Records when motion detected for reviewing later from reading the Micro SD memory card (4Gb card Supplied) via USB or card reader, etc. Efficient Operation - Records only when motion is detected. IR LEDs ensure day & night operation. 10M effective audio range. Easily review footage on a PC. Inbuilt rechargeable battery operated. Includes Micro-USB charger. Compact 70x30x40mm. 1/4" Mounting socket. Desk stand included.

Code  
DVR902



## DVR CAMERA LEVEL1

### IP NETWORK CONNECTION DELUXE MODEL

Supports Megapixel up to 1280x800 high quality video. Support H.264 / MPEG-4 and MJPEG Codec Compression. Ethernet RJ45. Dual streaming MPEG4 network or phone 3GPP. Built-in PIR Sensor for Human Temperature Detection. Built-in white LED for low lux night viewing up to 6 Metres. Built-in Microphone and Speaker for 2-Way audio Skype, etc. Built-in Micro SD/SDHC memory card slot for video recording. Bundled with 64-Channel surveillance management software. Compact 29x60x95mm with 1/4" mount. Requires MicroSD card.

CCD CMOS 1/4"  
TVL HDTV  
FOV 45°  
LED 6M  
Code FCS-0030



## IP CAMERA 1.3 MEGA PIXEL CAMERA

### MOTION DETECT & ALARM ALERT [WITH OPTIONAL 3G]

Megapixel internet protocol camera that will let users stay connected and get video notifications alerts on their smartphone. When movement is detected in the monitoring area, it will automatically record and send an email alert to the users via internet connection (not a phone call or sms or mms). Users can immediately view the recorded video and live stream via smartphone, iPad or PC. The alert function can be turned on/ off via your smart phone.

Easy network setup with your laptop, PC, and iPhone.  
1.3 Megapixel live CMOS sensor with HDTV 720p quality.  
Micro SD card support for video storage up to 32Gb (4Gb Included).  
"Push Notification" support to send an event notification to your iPhone and Android phones via email.  
Records scene manually, scheduled by a timer, or triggered by motion, an alarm, or an audio event.  
Built-in LED to illuminate the scene for night vision.  
Built-in PIR for motion detection for alarm alert and record functions.  
External device connection with input and output for alarm intergration.  
Microphone & speaker built-in for two-way audio transmission.  
Complete Remote Surveillance Compatibility.  
View via most web browsers, Internet Explorer, Mozilla Firefox, Safari, Google Chrome and Opera, etc.  
Suits mobile platforms, iPad, iPod, iPhone, BlackBerry, Symbian, Windows Mobile & Android.  
DDNS, PPPoE, DHCP, NTP, SNTP, TCP/IP, ICMP, SMTP, FTP, HTTP, RTP and UPnP Protocols supported.

Description	Code
DVR Camera	DVR904



### IP CAMERA WITH 3G MODEM

Instant wireless mobile and WiFi transponder. Connects to included DVR904 camera for a 3.75G Modem wireless internet access. Also includes WiFi connectability with USB hosting for LAN connections. Bonus 4G SD card included. Suits all mobile phone networks including NextG. Requires Mobile Phone Sim card.

Description	Code
Camera + 3G Modem	DVR905

<http://data.wescomponents.com/dvr/pdf/DVR905.pdf>





## ↓ Power Supplies

### PoE INJECTORS

#### SINGLE PORT POWER TO RJ45

IEEE 802.3af or Legacy PoE  
Auto detect and protected.  
Quality & reliability from Level1



More PoE in Section 16

Power	15.4W	15.4W	30W	40W
Type	100Mb	Gigabit	Gigabit	Gigabit
Code	POI2002	POI2001	POI3000	POI4000

### PoE INJECTOR HUBS

#### ETHERNET HUBS W/ PoE

IEEE 802.3af or Legacy PoE  
Supports 100Mbps.  
Level1 Pro grade rack mount  
with protection OVP/OCP/OTP.



More PoE in Section 16

Band	TP-Link	Level1	Level1
Type	100Mbps	100Mbps	100Mbps
Power	15W Total	15W ea.	30W ea.
Code	TL-SF1008P	POH1250	POH1260

### PoE TP-LINK

#### SEPARATE OR KIT

Injects/Extracts power RJ45  
Switch between 5V or 12Vdc  
Available via 2.1mm DC Socket  
Outputs Fast Ethernet 100Mbps  
Complies with IEEE 802.3af



More PoE in Section 16

Description	Injector	Receiver	Pair Kit
Power	15.4W	15.4W	15.4W
Type	100Mbps	100Mbps	100Mbps
Code	TL-POE150S	TL-POE10R	TL-POE200

### PoE SPLITTERS

#### LEVEL1 RECEIVERS

Power from PoE over network  
IEEE 802.3af Splitter  
Direct to device solution  
Includes DC plug kit



More PoE in Section 16

Type	100Mbps	Gigabit	Gigabit
Power	15.4W	15.4W	25W
Code	POS1002	POS1001	POS3000

## ↓ Internet Protocol [IP]

### IP CAMERA OUTDOOR PoE

#### MOTORISED 4X ZOOM

1280x800 pixels resolution.  
IP67 Weatherproof.  
Inbuilt fan and heater.  
Power over Ethernet.

CCD	CMOS 1/4"
TVL	XVGA MPEG4
FOV	15° - 60°
Lens	3.3mm - 12mm
Size	166x70mmØ
Outdoor	IP67
IR	15M
LUX	0.7
Code	FCS-5041



### IP CAMERA PoE OUTDOOR NIGHT

#### IP66 WEATHERPROOF

2-Megapixel Progressive 1/2.7" CMOS  
Sensor Resolution: 1920(H) x 1080(V)  
RJ45 Ethernet & BNC Video Output  
CamSecure Software. Digital zoom, etc.

CCD	1/2.7" 2MP
TVL	1080
FOV	78°
Lens	4mm
Size	195x90x90mm
Outdoor	IP66
IR	30M
LUX	0
Code	FCS-5051



### IP CAMERA DOME INDOOR

#### 3GPP FOR 3G

Built-In PIR for motion detection.  
MPEG4 640x480 streaming.  
with 160x120 for cellphone.  
PoE Power over Ethernet.  
Night Zoom or Fixed lens.

CCD	CMOS 1/4"	CMOS 1/4"
TVL	VGA	VGA
IR	No	14 LEDs
FOV	45°	115° - 30°
Lens	4.5mm	3.3mm - 12mm
Size	145x145mmØ	
Code	FCS-3031	FCS-3051



### IP CAMERA DOME 2 MEGAPIXEL

#### DAY NIGHT VISION

1920x1080 High Resolution  
Manual varifocal Zoom Lens  
with 3-Axis mounting option  
IR Illuminated 24 LEDs 20M  
Vandal proof housing for  
Indoor/Outdoor. Day/Night.

CCD	CMOS 1/4"
TVL	WUXGA
FOV	71° - 21°
Size	130x150mmØ
LUX	0.02
IR	20M
Lens	3.3mm - 12mm
Code	FCS-3081





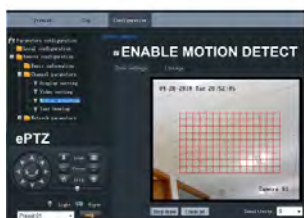
## ↓ Internet Protocol [IP]

### IP CAMERA 2.0 MEGA PIXEL MINI DOME

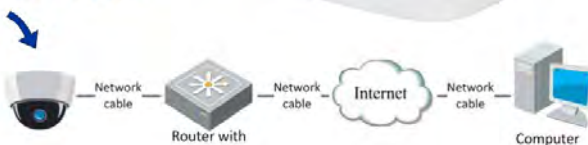
#### LOW PROFILE IP66 PoE

High definition Video Camera. IP66 vandal-proof metal construction low profile. Compact size for discrete installation and monitoring. H.264/MPEG-4 dual stream real time video compression. High resolution video preview: 1600x1200 pixels. Day (Colour) & Night (0.1 Lux B&W) functionality. Supports PoE Power Supply or 12V dc input. Internal Microphone. RJ45 LAN Ethernet.

Type	IP Dome
Outdoor	IP66
CCD	CMOS 1/3"
TVL	2MP
LUX	0.5
FOV	72°
Lens	4mm
Size	100x98x47mm
Code	CAM351



**STORES MOTION CAPTURE**

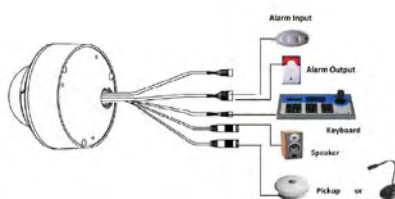


### IP CAMERA 2.0 MEGA PIXEL DOME

#### INTERNAL RECORDING VANDAL-PROOF IP66 DAY-NIGHT VARIFOCAL

Expandable SD memory (not included). Motion recorded footage or live viewing can be accessed on a network via any common browser. High quality 2.0 Mega pixel CMOS at UXGA resolution 1600x1200px. Dual streaming TI DaVinci DSP. Full, self-contained, stand-alone surveillance system that can be used for a wide variety of situations and locations. Connect to a wireless router, access point or modem to access the camera via a network, web or even a mobile phone. Remote browser control & View. Includes bonus DVR type software, local video & audio outputs, alarm inputs, RS485(ePTZ), etc. Manual Varifocal Zoom. Requires 12Vdc or 24Vac.

Type	IP Dome
Outdoor	IP
CCD	CMOS 1/3"
TVL	2MP
LUX	0
FOV	30° - 72°
IR	20M
Size	135x156mmØ
Code	CAM352



### IP CAMERA 2.0 MEGA PIXEL BOX

#### INTERNAL RECORDING NETWORK SYSTEM

Professional Box Camera with built-in stand-alone PVR. Expandable SD memory (not included). Motion recorded footage or live viewing can be accessed on a network via any common browser. High quality 2.0 Mega pixel CMOS at UXGA resolution 1600x1200px. Dual streaming TI DaVinci DSP. Connect to a wireless router, access point or modem to access the camera via a network, web or even a mobile phone. Remote browser control & View. Includes bonus DVR type software for, local video output, audio in/out, alarm in/out, RS485(ePTZ), etc. Manual Varifocal Zoom. Requires 12Vdc. A fully self-contained, stand-alone surveillance system that can be used for a wide variety of situations and locations.

Type	IP Box
CCD	CMOS 1/3"
TVL	2MP
LUX	0.1
Outdoor	IP66
Size	65x63x158mm
Code	CAM350



**LENS SOLD SEPARATELY**

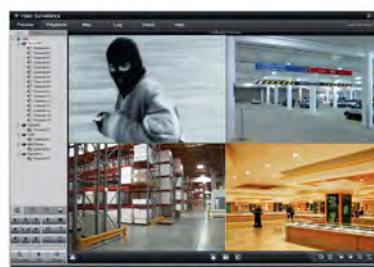
#### REQUIRES "CS" LENS MEGA-PIXEL LENS

Premium glass to suit High Resolution Cameras.

Type	Manual Iris	Auto Iris
Zoom	4.5mm - 10mm	2.6mm - 8mm
FOV	60° - 25°	105° - 30°
Code	LNZ400	LNZ402



**INTERNET BROWSER**



**DVR SOFTWARE Inc.**



# 21 SECURITY SURVEILLANCE

21 SECURITY SURVEILLANCE

## → IR Spot Lights

### IR SPOT-LIGHT FOR CAMERAS

#### ILLUMINATE SURVEILLANCE

Assists cameras with extra illumination. Low profile as light is Invisible Infra-Red 18x High power LEDs Water proof housing Black. Metal 45x27mm. Glass faced lens. About 5 metres range. All angles swivel base. Auto On Light sensor. Requires 12Vdc 200mA



Code IR3650

### IR SPOT-LIGHT FOR CAMERAS

WEATHER-PROOF 10W 48x LEDs for wall or ceiling mount. IP66 Aluminium enclosure.

LED 40M  
Power 12V 10Wmax  
Size 100x85mmØ  
Code IR9103



### IR SPOT-LIGHT FOR CAMERAS

#### PIGGY-BACK IR SPOTLIGHT

Assists cameras with extra illumination. Removeable right angle bracket suit alignment with existing camera mounting system. Invisible Infra-Red 20x High power LEDs Water proof housing IP68 Silver. Metal 45x27mm. Glass faced lens. About 10 metres range. Auto On Light sensor. Requires 12Vdc 450mA



2.1mm DC Piggy-Back Plug eg.

Code IR9140A

### IR SPOT-LIGHT FOR CAMERAS

#### WEATHER-PROOF 15W

12x Extra Large LEDs Wall or ceiling mount. IP66 Aluminium enclosure.

LED 90M  
Power 12V 15Wmax  
Size 136x116mmØ  
Code IR9105



### IR SPOT-LIGHT FOR CAMERAS

#### DOME ILLUMINATOR

Suit ceiling mount for flooding an area below. 42x LEDs IR Illumination Wide Angle. 75x105mm. 12Vdc 20Wmax. 650g.



IR 42x  
Power 12V 20W  
Size 75x105mmØ  
Code IR9101

### IR SPOT-LIGHT FOR CAMERAS

#### FLOOD-LIGHT STYLE 16W

Heavy-duty aluminium enclosure IP66 weather proof sealed. 114 Super Bright IR LEDs

LED 80M  
Power 12V 16Wmax  
Size 150x120x88mm  
Code IR9107



## ALARM WARNING SIGNS

### A5 CCTV SIGN

Rear adhesive Stickers.

Size 100x130mm  
Code ALM223



### A3 CCTV SIGN

Size 420x300mm  
Code ALM222



### A4 STICKERS x4

Size 210x300mm  
Code ALM221





## → Dummy Cameras

### REPLICA CCTV CAMERA - PROFESSIONAL

#### TRUE CAMERA APPEARANCE

Complete kit for all that's required to convince potential perpetrators that they are under surveillance.

#### KIT INCLUDES

Outdoor aluminium camera housing 380x115x125mm  
Beige painted with internal dummy camera. Adjustable metal mounting arm. Drop cable and junction box.  
Battery operated blinking LED for added authenticity.  
Two 130x100mm warning stickers.  
Very professional appearance.

Code CAM901



### REPLICA CCTV CAMERA - OUTDOOR

#### KEEP THIEVES AWAY

Complete kit for all that's required to convince potential perpetrators that they are under surveillance.

#### KIT INCLUDES

Modern barrel camera style with Day/Night IR-LED array.  
160x80mmØ Violet metal look on an adjustable mounting arm. Drop cable and mounting screws. Battery operated blinking LED for added working authenticity. Two warning stickers 130x100mm Quick & easy install solution.

Code CAM904



### REPLICA CCTV CAMERA - INDOOR

#### PROFESSIONAL APPEARANCES

Complete kit for all that's required to convince potential perpetrators that they are under surveillance.

#### KIT INCLUDES

Classic box camera style with focus and zoom controls  
160x60x50mm Black & Violet Plus adjustable mounting arm. Drop cable and mounting screws. Battery operated blinking LED for added authenticity. Two warning stickers 130x100mm Quick & easy install solution.

Code CAM902



### REPLICA CCTV CAMERA - DOME

#### 120mmØ PROFESSIONAL APPEARANCES

Complete kit for all that's required to convince potential perpetrators that they are under surveillance.

#### KIT INCLUDES

Typical dome camera style with visible camera lens  
70x120mmØ Black & Clear Battery operated blinking LED for added working authenticity. Two warning stickers 130x100mm Quick & easy install solution.

Code CAM903



### REPLICA

#### 80mmØ FAKE - EMPTY

Deters bad activity. Distracts expected surveillance angle.

Size 60x85mmØ

Code CAM900





## ↓ Brackets

### COMPACT CAMERA ARM

#### BALL-IN-SOCKET 90°

Pan/tilt adjustable. Thumb screw locking gimble adjustment. Standard camera bolt. 100mm out horizontal. Removable 60mm extension arm 45mm mounting base. Quality construction metal components.

Colour	Code
Black	MB1000
White	MB1001



### CAMERA MOUNTING BRACKET

Fully adjustable stand Security Camera Bracket. Quality Metal construction. Double Ball-In-Socket allows for Pan / Tilt adjustments Standard camera fastening bolt.

Colour	Code
SILVER	MB1003
BLACK	MB1002



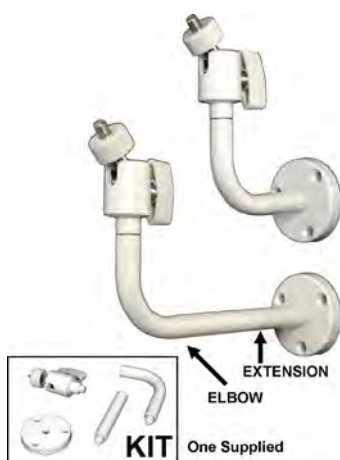
HEIGHT 75mm  
BASE Ø 68mm

### CAMERA MOUNTING ARM

#### WITH EXTENSION & ELBOW

White ceiling/wall mount constructed from Aluminium Gimbal connection allowing Swivel 360° and tilt 90°. Similar to MB1000 with an extra elbow extension. It is fixed by the base with three screws and is designed to fit standard size security cameras. Dimensions 60x120x130mm Base 45mmØ Load 3kg max.

Code
MB9500



### INDOOR/OUTDOOR HOUSING BRACKET

#### METAL SUPPORT MEDIUM

Suit wall or ceiling mount of most CCTV cameras. Heavy duty all metal weather proof materials Silver coated aluminium Gimbal 360° and 90° tilt 110mm wall/ceiling base 90° Bend arm 220mm

Code
MB204



### CAMERA MOUNTING ARM

#### HEAVY-DUTY METAL ARM

Weather-proof outdoor Cast alloy all metal enamel powder coated. Low profile tilt head Rotates 180° set angle. Professional solution. 164mm of length.

Colour	Code
Black	MB103BK
Silver	MB103SL

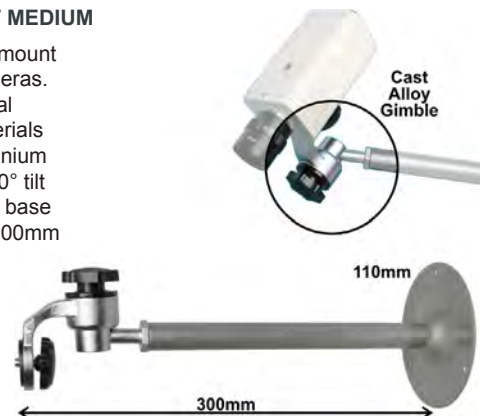


### INDOOR/OUTDOOR HOUSING BRACKET

#### METAL SUPPORT MEDIUM

Suit wall or ceiling mount of most CCTV cameras. Heavy duty all metal weather proof materials Silver coated aluminium Gimbal 360° and 90° tilt 110mm wall/ceiling base Straight arm max 300mm

Code
MB603



### CAMERA MOUNTING ARM

#### BEIGE PLASTIC 135MM

Excellent general purpose camera arm to suit a majority of CCTV cameras. Cable through arm heavy duty plastic weather resistant. Practical design appropriate size for directly any standard sized CCTV camera. 180° Tilt 360° Rotate.

Arm	Code
135mm	MB100



### OUTDOOR HOUSING ARM

#### HEAVY-DUTY STRONG ARM

Weather-proof outdoor cast alloy all metal enamel powder coated. Low profile tilt head Rotates 360° set angle. Professional solution Suits ODH series. 300mm Extension.

Colour	Code
Cream	MB337





## ↓ Brackets

### WALL BRACKET

#### CAST ALLOY SILVER

Cast alloy universal dome camera stands.

Size	180x153x130mm	160x122x110mm
Suits	120mmØ	100mmØ
Code	MB101	MB102



**MOUNT A DOME CAMERA ON A WALL**  
CAMERA NOT INCLUDED

### WALL BRACKET

#### PLASTIC WHITE

Beige ABS Plastic. Conceals wiring.

Size	200x130x150mm
Suits	120mmØ
Code	MB1008



**CAMERA NOT INCLUDED**

### WALL BRACKET

#### CAST ALLOY WHITE

Universal dome stand powder coated white.

Size	165x130x140mm
Suits	115mmØ
Code	MB1009



**CAMERA NOT INCLUDED**

## → Video Distribution Solutions

### COMPOSITE VIDEO DISTRIBUTION SYSTEMS - SEE SECTION 20

**ONE SOURCE TO MULTIPLE VIEWERS - RCA**  
Simply take a single camera or the CVBS output from any CCTV or DTV Surveillance system and distribute the image for all occupants to view. Great for sharing cameras of common areas in units like the front door or garage, etc. Composite Video & Audio via RCA Connections:

#### 4 WAY

RCA In, Four Out.

Code  
SB3714



#### 8 WAY

RCA In, Eight Out.

Code  
SB3708



#### Supplied Accessories:

- 1. AC/DC Power Adaptor: DC +12V 300mA-500mA
- 2. AV Connecting Cable: 5RCA x 5RCA, 2M



### RF MODULATOR TUNEABLE - SEE SECTION 9

#### ADJUSTABLE TUNING

Inserts an AV signal into your existing TV antenna line for easy TV type connection and distribution. L/R Audio (2xRCA) & Composite video (CVBS-RCA) inputs RCA. Units are cascadeable (4 max) Suit permanent power installations for security cameras, Video, etc.

#### ANALOGUE MODULATOR DIGITAL LOCKED

Low noise model with digital CH display. Unit is cascadeable up to four units max.

Code  
RF5300

#### DVB-T DIGITAL MODULATOR

RCA Video and audio input to Digital Television Terrestrial Output (DVB-T).

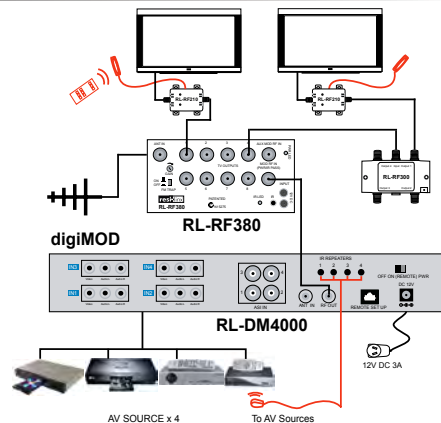
Input	Code
1	RL-DM1000
2	RL-DM2000
4	RL-DM4000



<http://www.resi-linx.com.au/range.php?maincat=30>



DIGITAL VIDEO MODULATORS ARE AVAILABLE  
See Section 9



### KINGRAY PROFESSIONAL DISTRIBUTION EQUIPMENT - SEE SECTION 9

SECTION 9 FOR DETAILS

#### STEREO DSB MODULATORS FOR UP TO 8 CHANNELS

DSB Double Sideband frequency adjustable modulators. Analogue video with true Stereo for TV distribution. Premium grade for low cross-talk. Cascade up to 8 units. Latest technology & manufacture in cast metal housing. Assorted models for VHF/UHF 44MHz to 850MHz tuning. Professional distribution rack mount common power rail. Please enquire about our extensive range of Kingray - an Australian company. Products have 3 years warranty.

#### VHF 44-470MHz

Code  
MD100VS

#### UHF 470-860MHz

Code  
MD100US





## → Cameras

### ↓ Hole Mount

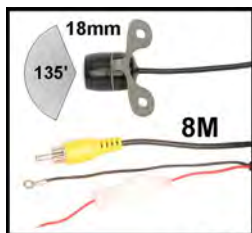
#### SUPER-SMALL TAG MOUNT

##### WEATHER PROOF IP67

45° Mounting bracket. Body rotates on tag base to align. 130° Wide Angle FOV. Very rugged for use on vehicles, etc. Very compact 19x18mmØ. Includes 8M video cable. Requires 12Vdc 40mA.

Hard wired power leads  
RCA Plug Video output.  
2.0 Lux 6.35mm ¼" CMOS Colour.

System	NTSC	PAL
Code	CM103	CAM104



#### SUPER-SMALL COLOUR CMOS 20mm

Incredibly tiny new generation CMOS Colour Security Cameras for near invisible placement or for an easy install design. Lead out to connection sockets. **2.1mm** in. 9Vdc 100mA. (Requires Powerpack). **RCA** Composite Video out. 3.6mm. 380 TV. 3 Lux.

##### SMALL 20 x 20 x 20mm !

Code	KTK602C
------	---------

**BEWARE !**  
9Vdc Input



#### ULTRA-SMALL B&W CMOS 15mm

##### TINY 15 x 15 x 15mm !

This camera is seriously stealthy in stature for security, or convenient to stick it to your monitor! Very Low-Power CMOS 1 Watt Two connection sockets **2.1mm** in. 12Vdc (Requires Powerpack). **RCA** Composite Video out, Standard B&W 380 Line TV. 3.6mm. 3 Lux. CMOS.

Code	KTK707B
------	---------

**15mm<sup>2</sup>**  
**Seriously Small**



#### CUBE CAMERA B&W CMOS

##### COMPACT METAL CASE

Small in size & cost!  
45x40x40mm +Base  
Weather resistant  
All metal casing.  
**B&W CMOS**  
320 x 240 pixel.  
46dB. 0.2 Lux.  
12Vdc 50mA

Code	LTC601BS
------	----------



### ↓ Hole Mount

#### HOLE-MOUNT CCD

##### WEATHER PROOF

Metal barrel. Flush mounting. As used with Reversing kits. 28mm Hole mount 65mm deep. 1/3" CCD Colour 420 TVL PAL/NTSC 628x582 pixels FOV 110° Wide Angle 0 Lux IR Illuminated. 12Vdc (2.1mm) RCA Video out. Includes drill bit and connection cables.

System	Code
NTSC	CD102N
PAL	CD102P



#### HOLE-MOUNT CMOS

##### WEATHER PROOF

Flush mounting as used in our Reversing kits. Metal barrel 25mm Hole mount 45mm deep +lead 1/3" CMOS Colour 420 TVL PAL/NTSC 628x582 pixels FOV 92° Wide Angle 2.0 Lux 3.6mm 12Vdc (2.1mm) RCA Video out.

System	Code
NTSC	CM101N
PAL	CM101P



#### HOLE-MOUNT CMOS IR

##### WITH IR ILLUMINATION

Weather proof flush mounting as used with car Reversing kits. Metal barrel 28mm Hole mount 45mm deep +lead 1/3" CMOS Colour 420 TVL PAL/NTSC 628x582 pixels FOV 110° Wide Angle 2.0 Lux (0 Lux) 12Vdc (2.1mm)

System	Code
NTSC	CE100N
PAL	CE100P



#### REVERSING CAMERA KIT

##### CONNECT TO EXISTING MONITOR

Kit includes 25mm hole camera 1.5M DC Lead to bare wire for connection to reversing lamp. 5M Video Lead RCA to RCA. and bonus 25mm drill bit to suit. IP68 Metal barrel CCD 380TVL PAL with 92° FOV and 3LUX

Code	CAM278
------	--------







## → Reversing System

### 4.3" REAR VIEW MIRROR MONITOR

#### UNIVERSAL CLIP-ON STYLE

Special anti-glare screen for eye sight protection, in position of the original rearview mirror. Touch screen button control. 2xRCA video input 16:9 480x272 pixels 12Vdc 275x77x23mm 295g. Dual video input to connect VCD/DVD/TV/GPS and rear view camera. Automatically connect to rear view system when reversing, ensure parking safely. Includes extra long cabling and butterfly camera. All metal Weather proof 1/3 sharp CCD colour anti fog glass super mini butterfly camera with 420TVL, Wide angle 170° minimum illumination 0.1lux. Wiring Kit includes 5.5M camera video cable, 1M camera power cable and 2M monitor cable.

Code  
RV431



### 4.3" REVERSING CAMERA SYSTEM

#### HARD WIRED OR WIRELESS

Replace your mirror with an LCD Screen! Rear-view optical mirror with built-in 3.6" LCD. Special anti-glare screen for best rear view. Wireless colour video transmission module. 100° horizontal and 60° vertical viewing angle High definition CMOS colour camera. Monitor & Camera Kit includes camera mount, 1.2M camera power harness, 2M monitor power & video harness, 2M Wireless Transmitter harness, 5M Video extension cable. Monitor 297x80x18mm 275g.

Code  
ARV43M



Mounting bracket sits behind the number plate and it is not visible.



### 5.5" REVERSING MIRROR LCD MONITOR

#### VELCRO STRAPS TO EXISTING MIRROR

Deluxe kit with dual video input monitor 5.5" colour Toshiba LCD TFT Display screen. Extra-High brightness back lit for day viewing. Straps directly onto your existing rear-view mirror. Adjust picture and inputs via the Side Buttons or the included IR remote control. On-Screen-Display. Suits RCA Video in: VCD/ DVD/TV/GPS/MPEG4/NTSC/PAL 2 inputs. 16:9 aspect (WideScreen) 800x480px RGB. 12Vdc 5W 280x95x25mm Strap-On Anti-Glare Blue Mirror. Auto switch lead for rear-view system with connection to reversing light.

Code  
KVC9



VELCRO STRAP TO MIRROR

WIRING KIT

CMOS Colour CAMERA

### 7" REVERSING MIRROR LCD MONITOR

#### TOUCH BUTTON FUNCTION

Replace your mirror with an LCD Screen! Rear-view optical mirror with built-in Compact 7" colour LCD TFT Display screen. Replaces your existing rear-view mirror. Adjust picture via the remote control On-Screen-Display. 2 x RCA Video Input 480x234 pixels 12Vdc 248x110x43mm 400g. Includes extra long cabling and butterfly camera. All metal Weather proof 1/3 sharp CCD colour anti fog glass super mini butterfly camera with 420TVL, Wide angle 170° minimum illumination 0.1lux. Wiring Kit includes 6M camera video cable, 1M camera power cable and 2.4M monitor cable.

- AV1 connects VCD/DVD signal input. AV2 connects camera signal input. AV2 will be switched automatically from VCD/DV when reversing gear is used and return back after parking.

Code  
RV751





## → Wireless Camera Systems

### 2.4GHz WIRELESS CAMERA KITS

#### BUY AS A KIT AND SAVE!

Wireless Surveillance  
Excellent solution for temporary installations, locations where wiring is impractical, or as a portable Baby monitor, etc.  
All systems are colour.  
Some cameras have audio.  
Choose a kit or separates.  
A maximum of two cameras per system is recommended.  
Kits are attractively packaged.



### DUAL CAMERA KIT

#### REMOTE SELECT

Receiver supplied with two mini-cameras and a remote control to directly select or auto cycle 2 views. Connect to any TV or Video for an instant surveillance system. ZT705 2.4GHz Receiver ZT820 CMOS Cameras X2



Code  
KIT820C2-705

### CAMERA & RECEIVER KIT KIT903-707

#### EXCELLENT PRICED KITS

ZT707 Receiver with AV-RCA Output for TV Connection. Paired with a choice of popular wireless cameras.

Code  
KIT903-707



### COMPUTER DVR KIT

#### WWW SURVEILLANCE

Instantly converts a USB PC into a wireless recorder system with motion detection, that records any movement  
Kit includes: ZT721 USB Receiver ZT820 CMOS Camera Camera power-pack

Code  
KIT820-721



### CAMERA & RECEIVER KIT KIT830-707

#### EXCELLENT PRICED KITS

ZT707 Receiver with AV-RCA Output for TV Connection. Paired with a choice of popular wireless cameras.

Code  
KIT830-707



### 2.4G WIRELESS CAMERA SYSTEM - RECEIVER

#### SINGLE CHANNEL (SWITCHABLE)

2.4GHz Audio / Video receiver  
Push-button select between the four available "ZT" channels. Excellent wireless monitoring for temporary installations or where wiring is impractical. Up to 100M distance (No block). Not an auto-cycle type unit. RCA/A/V Output to any monitor. 24x78x98mm 12Vdc P/P Supplied.

Code  
ZT707



### CAMERA & RECEIVER KIT KIT811-707

#### EXCELLENT PRICED KITS

ZT707 Receiver with AV-RCA Output for TV Connection. Paired with a choice of popular wireless cameras.

Code  
KIT811-707



### WIRELESS REVERSING CAMERA ADD-ON

#### DESKTOP UNIT WITH REMOTE

Wireless colour video transmission to existing car monitor. Includes wireless Receiver which receives video from number plate-mounted camera. Easy installation for DIY usage and great as an add-on to existing monitor, GPS etc.

Code  
ARV2REC



### CAMERA & RECEIVER KIT KIT906-707

#### EXCELLENT PRICED KITS

ZT707 Receiver with AV-RCA Output for TV Connection. Paired with a choice of popular wireless cameras.

Code  
KIT906-707



### 3.6" MONITOR WITH WIRELESS CAMERA

#### REVERSING CAMERA KIT

Display size 3.6" (4:3)  
License Plate mounted Camera With Infra Red LED CMOS camera 80 Degree IP44  
Effective Pixels 960 x 240  
Four viewing angle modes switchable  
Standard / Mirror/ Reverse/ Mirror Reverse  
Supplied with Glass mount suction bracket  
Camera hard wire harness included  
5 metre video extension cable option

Code  
ARV36SYS





## → Wireless Camera Systems

### 2.4GHz WIRELESS CAMERA SYSTEM

#### COLOUR VIDEO SURVEILLANCE

Transmits up to 100M (without obstructions) Wireless solution for temporary installations, locations where wiring is impractical, or as a portable Baby monitor. All cameras are colour. Some cameras have audio. Four channels switchable for avoiding noise problems. Recommend 2 cameras per system.



### 2.4GHz WIRELESS CAMERA - RECHARGEABLE

#### COLOUR CMOS INBUILT BATTERY

2.4GHz wireless colour camera uses power saving CMOS sensor. With in-built Li-Ion battery for up to 5Hrs continuous use. Very small. Only 23x23x66mm Plus a removable stand. 1.5 Lux. 64° View. 380 TVL 628x582(PAL) Colour CMOS. Requires "ZT" Receiver. 100M unobstructed range.

Code  
ZT830T



### 2.4GHz WIRELESS ADAPTOR

#### CONVERTS ANY CAMERA TO WIRELESS

Compact, direct connect for plugging on to the back of any standard surveillance camera and making it wireless. Easy! Includes BNC/RCA adaptor. Requires any ZT Type Receiver. 12Vdc Power & a piggy pack cable for power feed thru to camera. Four Channel switchable. Maximum of 2 cameras per system.

Code  
ZT401



### 2.4GHz WIRELESS CAMERA - CH SWITCH

#### EXTRA TINY COLOUR CMOS

2.4GHz wireless colour camera with channel selector switch. Uses power saving CMOS sensor. Impressively small 22x24x28mm! Power to "9V" battery snap or included 240Vac power pack. 1.5 Lux. 64° View. 80mA 8Vdc. 628x582(PAL) Colour CMOS. Requires a "ZT" Receiver. 100M unobstructed range.

Code  
ZT820T



### 2.4GHz WIRELESS CAMERA - FLUSH MOUNT

#### CCD - CEILING / WALL MOUNT

Premium Sharp brand CCD sensor. Weather proof for outdoors. Impressively built silver cast "Ball-In-Socket" 15 Adj. Flush mounts into 50mm cavity. 80mm. 60 View. 420 Lines. 0 Lux (B&W) 1 Lux (Colour). Includes 240Vac power pack. Requires "ZT" Receiver. 100M unobstructed range.

Code  
ZT902T



### 2.4GHz WIRELESS CAMERA - SUPER MINI

#### EXTRA TINY COLOUR CMOS

2.4GHz wireless colour camera uses power saving CMOS sensor. Impressively small 23x23x25mm! Power to "9V" battery snap or included 240Vac power pack. 1.5 Lux. 64° View. 80mA 8Vdc. 628x582(PAL) Pixel CMOS. 380 TV Lines. Colour. Requires ZT707 Receiver. 100M unobstructed range.

Code  
ZT811T



### 2.4GHz WIRELESS CAMERA - NIGHT OWL

#### WEATHER PROOF CCD

2.4GHz wireless colour camera. Premium Sharp brand CCD sensor. Impressively built silver cast 65x56mm plus adjustable base. Super IR Illuminated version & narrow view for distance. Includes 240Vac power pack. 1 Lux. 39 View. 420 Lines. Requires "ZT" Receiver. 100M unobstructed range.

Code  
ZT903T



### 2.4GHz WIRELESS CAMERA - NIGHT OWL

#### DELUXE WEATHER PROOF CCD

High grade Sharp brand CCD SMA socket for an external antenna or use the supplied 10cm antenna. Adjustable hood for sun & weather protection. IR Illuminated for Night Good for 15M. 96x61mmØ Long-Throw lens 39° FOV. ¼" CCD 420 TVL Sharp® Colour Includes ball/socket base.

Code  
ZT906T





## ↓ Alarms Hard-Wired

### ALARM SYSTEM MULTI-ZONE HARD-WIRED PROFESSIONAL

#### 8 ZONE EXPANDABLE UP TO 64

If you're looking for complete home or commercial building protection, you require a WGAP864 hard-wired Alarm System. Available in an 8 zone panel that is expandable to 64 zones by using up to 6 external modules available, each with 8 zones. Optional sensors and sirens help protect all areas of your home or building by performing functions such as monitoring rooms and offices for movement, and detecting when doors or windows are opened. This gives you greater peace of mind that your building is secured against thieves, burglars and vandals. The WGAP864 is a versatile, microprocessor-based, fully featured 8/64 Zone alarm panel, which has two partitions. The alarm panel provides immediate notification of burglary, and 24Hr fire, medical & panic conditions. There is a dedicated panic zone, monitored siren output, auxiliary power outputs and five (expandable to 25) programmable outputs that may be programmed to perform various trigger/switching functions.

- 8 zones included
- Expandable to 16 Zones on-board
- Expandable to a total of 64 Zones with external boards.
- Supports up to 8 keypads
- 128 user codes
- 25 fully programmable outputs
- Ability to log up to 1000 events
- 1.5A available onboard power (dual power supply)
- Dedicated 500mA battery charger for optimal backup battery management
- IDS's renowned one-button arming
- 3 quick arm modes: Stay, (2) Away and (3) Stay and Go
- 4 stay profiles: Stay, Night Stay, Day Stay, Perimeter
- Supports star or daisy chain modules up to 300 Metres
- Dual and split reporting
- Dynamic battery self-test
- Dedicated panic zone
- Optional tamper per zone
- Separate box tamper zone
- Maintenance code
- No activity arming
- Recall bypass selected
- Auto arm/disarm per partition
- User-enabled chime and buzz zones
- Programmable loop response time
- Excellent protection against lightning
- Telephone communicator (Remote Optional)
- Optional Voice Recorded Message sending

Includes Alarm Panel in Box  
Includes 1x Keypad (More available)  
Requires 16VAC 1.5A Power & Charging  
Requires ALL connection Cables, etc.  
12V Lead-Acid Battery for Backup (Optional)

Code  
WGAP864



#### WGAP864 ALARM KIT

Save time and hassle with this packaged bundle.

- 1x Base Unit 8 Zone
- 1x Control Keypad
- Power supply/charger
- 12V7Ah SLA Backup
- Outside Siren & Strobe
- 3x PIR Sensors
- 4x Surface Reed Switches
- 1x Emergency Panic Button
- 100M Cable 4 core



Code  
WGAP864KIT

### WGAP864 ACCESSORIES AND OPTIONAL EXTRAS

#### WGAP864 BACKUP BATTERY

12vV 7Ah SLA Battery  
Code  
PG7-12



#### WGAP864 POWER SUPPLY

16Vac 1500mAh Mains Power Pack used for supply and also charging of Optional Backup Battery.

Code  
PS16VAC



#### WGAP864 EXPANSION MODULES

Connects directly to WGAP864 main panel to expand from 8 Zones to 16 Zones.

Code  
WGAP864EXP816



External 8 Zone expander module for up to a total of 64 Zones.

Code  
WGAP864EXP1664



#### WGAP864 KEYPADS

Add extra keypads for additional doors, etc. Up to 8 Keypads total.

Code  
WGAPKP16CLCD



#### WGAP864 SMS MODULE

Allows WGAP864 with its Contact ID format dialer to send SMS messages. Connects to standard telephone line, No SIM card required. Maximum 16 alarm zones.

Code  
SMSIB



#### WGAP864 TO PC MODULE

Connect to your PC for programming functions into your WGAP864. Standard computer Serial RS232 D9 Female. Software is windows compatible.

Code  
WGAPCABLE



#### WGAP864 VOICE MODULE

The board contains a DMTF decoder chip and a flash memory chip which add telephonic voice interaction to the panel. The user can receive alarm messages or can control the system via the phone by pressing keys on the phone.

Code  
WGAPX64VM





## ↓ Alarms Hard-Wired

### 8 ZONE ALARM

#### INBUILT DIALER FOR SMS OR BACK-TO-BASE

A premier 8 Zone Alarm Panel and LCD Keypad, ideal for use in a home or business. The system is designed to provide personal security monitoring via your mobile phone using SMS Messaging or optional high security 24 Hour back-to-base monitoring. (\*Fees Apply) System reports are sent using SMS messages via your landline. The system is designed to be easily programmed, with all programming and setup done via a simple menu-driven system.

**Code**  
SMS8

#### 8 ZONE ALARM KIT

Save time and hassle with this packaged bundle.

- SMS8 Base Unit with
- SMS8 Control Keypad
- 12V7Ah SLA Backup
- Outside Siren & Strobe
- 3x PIR Sensors
- 4x Surface Reed Switches
- 1x Emergency Panic Button



**Code**  
SMS8KITHW

### WIRELESS REMOTE

#### SUIT SMS8 ALARM PANEL

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

**Code**  
SMS8RX



### UHF CODE HOPPING REMOTE CONTROL MODULE

#### 4 CHANNEL WITH TWO KEY-FOBS AND PROGRAMMABLE RECEIVER

Advanced multi-purpose 4-channel UHF receiver / transmitter set with four fully programmable relay outputs (1 amp rating each). Supplied with TWO code hopping, 4 button remote controls with batteries and one compact base unit programmable receiver 110x60x36mm. Terminals are bare wire screw types with Common/NO/NC connections. Add wireless functionality to virtually any alarm panel or device. Up to 200M radio frequency range via line of sight (antenna included). All outputs are individually programmable to suit almost any application. Each output option Includes momentary, latched, timed or pulsed. Power supply required 12-14VDC @ 500mA (alarm panels or automotive). Supports detector low battery, supervision & tamper signal outputs. Step by step programming via remote control & indication via LEDs Utilises secure code hopping remote control technology. Quality product designed in Australia, made in Taiwan. RoHS, CE, etc.

Description	Code
4CH RX & TX Kit	ALM200
Extra Transmitter	ALM200RM



### UHF CODE HOPPING REMOTE CONTROL

#### UNIVERSAL 2 CHANNEL WITH TWO KEY-FOBS AND RECEIVER

This product is designed to be simple and easy to install and use. Primarily, this product can be used to remote control your car, garage door, home alarm system, or your electric gate, and more. The unit is supplied with 2, dual button remote controls key-fobs. The remote controls for this unit operate using code hopping security. This technology sends a unique and different code each time any of the remote control buttons are pressed thus preventing unauthorised copying. Various features depend on how you wire the included receiver module. Extra accessories may be required for some of the additional features. 1 second (momentary) negative outputs for each channel 150mA maximum. Separate latched negative output for channel 1 and also LED flashing out. i.e. - Flashes when the button is pressed, stops when it is pressed again. Up to 100m radio frequency range (line of sight). Batteries included. Compact base unit 65x30x12mm requires 12Vdc-14Vdc 500mA power supply.

Description	Code
2CH TX & RX Kit	ALM201
Extra Transmitter	ALM201REM





## ↓ Alarm Wireless

### HOME WIRELESS ALARM KIT

#### QUICK AND EASY INSTALL

The Watchguard alarm is a complete stand-alone security system, which is ideal for the home or business owner wanting an affordable security system without the labour of hardwired installation. If the alarm is triggered a built-in strobe and siren will sound for 5 min. Included is a bonus screecher siren with 10M of cable to connect to the base unit. This siren generates an intolerable noise to repel intruders from inside the property. Two wireless PIR body heat detectors are included, expandable to an additional 6 units (available separately). Battery life is around 3 years. The range for each zone is 10 metres from the central unit. Arm/disarmed by convenient key-fob code-hopping UHF remote controls. The Watchguard is secure, very reliable, economical and extremely easy to install & operate.



- Feature packed 8 zone security system (2 Zones Supplies)
- Easy wireless installation. Portable for transient situations.
- 2 x quality wireless battery operated passive infrared detectors
- 2 x high security code hopping remote controls with lithium batteries
- Emergency panic button function on the remote controls
- 12V 1.2Ah SLA Backup battery & mains power adaptor included
- Powerful external siren with flashing blue strobe
- Same appearance as industry standard alarm systems
- High frequency internal siren to repel intruders

#### Code

ALM101

### WIRELESS PIR

#### EXPAND WIRELESS ZONES

A high quality infrared body movement sensor designed for use with the Watchguard ALM101 Wireless Alarm System. The detector is very easy to install and setup and provides excellent detection sensitivity due to the Dual-Edge® PIR Sensor technology. 12M motion detection range 90° scan. Intelligent Power Saving to extend life of batteries up to 3 years. Selectable sensitivity and pulse count to reduce false triggers. Swivel bracket for easy mounting and adjustment.



#### Code

ALM102

### WIRELESS REED SWITCH

#### DOOR & WINDOW DETECTOR

A high-quality wireless reed switch designed to provide additional security and detection methods to expand zones for the ALM101 Watchguard Wireless Alarm System. The magnetic reed switch is designed to monitor home access points such as doors and windows, which may be used to gain entry to the property by thieves. If contact is broken between the two switches when the alarm is armed (ie if a door is opened), then the switch will trigger and activate the alarm. Up to 5 years life span from batteries. Tamper Protected Case. Sends Alarm, Supervision, Tamper & Low Battery Signals to base.



#### Code

ALM103

### WIRELESS SMOKE DETECTOR

#### INTEGRATES WITH ALARM

High-quality gas-ionisation type smoke detector which is compatible with the ALM101 Watchguard Wireless Alarm System. By expanding your alarm system to include a smoke detector, your alarm will trigger when smoke is detected, making these a potentially life-saving addition to your security system. Stand-alone buzzer 85dB alarm. 9Vdc battery operated (required). Supervision report compatible.



#### Code

ALM104

### WIRELESS KEYPAD ENTRY

#### 4 DIGIT PROGRAMMABLE

Designed to allow greater alarm convenience. A keypad allows you to perform the arm/disarm, home mode and panic functions of your alarm via PIN code.



#### Code

ALM105

Also compatible with other wireless receivers: SMS8RX, ALM200, ALM201 and ALM101



## ↓ Alarm Accessories

### ALARM WARNING SIGNS

#### A5 WINDOW STICKER

Rear adhesive Stickers.

Size Code  
100x130mm ALM223



#### A4 STICKERS x4

2x Rear adhesive for wall mount.  
2x Front adhesive for window mount.

Size Code  
210x300mm ALM221



ALM221

ALM222

#### A3 CCTV SIGN

Single sign corrugated plastic  
Weatherproof and UV resistant

Size Code  
420x300mm ALM222

### SECURITY ALARMED PADLOCK

#### SCARE AWAY THIEVES!

This Security Alarm Padlock, when armed, emits a 110dB ear-piercing ultra loud siren when movement or shock is detected, increasing the chances of scaring away thieves and protecting your valuables. The padlock features a 110db internal siren which sounds if the lock is moved, touched or knocked after it has been armed. The padlock has been manufactured to the highest standards with a stainless steel shackle and hardened zinc alloy body. The body of the padlock has been powder coated providing long-life extra corrosion, water and weather resistance. The versatility of the padlock make it suitable for use in any number of applications, including garden sheds, gates, garages, lock-boxes, bikes, toolboxes, trailers, caravans, lawn mowers and garden machinery. 100x60x30mm. Battery Inc.

Code ALM211



### SECURITY CABLE PAD LOCK

#### 2M STEEL LOOP TYPE

Universal purpose  
Pad-Lock included  
"O" Ring to Loop  
3x Loops supplied  
Premium grade  
Plastic sheathed.

Code  
NBL51



### SECURITY CABLE COMBINATION LOCK

#### STEEL LOOP TYPE

Double slip knot  
lock Combination  
lock Laptop hook.  
Premium grade  
Plastic sheathed.

Code  
NBL50



#### PADLOCK TYPE

Rotary Combination  
lock Pad-lock hook  
style. 2 metre reinforced  
steel lead PVC coated.  
Terminates to a loop.

Code  
NBL21



### 24 HOUR TIME SWITCH MECHANICAL

Features mechanical movement  
very straight forward to use visual  
confirmation is immediate 15 minute  
increments push type 48 ON and 48  
OFF positions switch type. No pegs to  
loose Simple and easy. Manually on/off  
switchable. Rated at 240VAC 10A Will  
repeat your selected program every  
24 hours offering many uses around  
the home or workplace for security or  
convenience

Code  
PC707



#### HEAVY-DUTY

Code  
PC717

### THE LIGHTS ARE ON BUT NOBODY IS HOME

#### SECURITY ZONE AUTO ILLUMINATION

Assorted 24Hr/7day 240Vac timers.  
Digital (with Random) or Mechanical.

#### 24/7 DIGITAL

Code  
PC697

#### Mechanical 24Hr

Code  
PC707



See Section 12 AC POWER for details.....

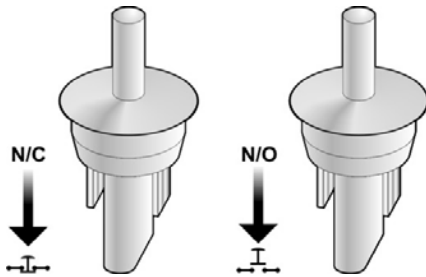


## Alarm Accessories

### TAMPER SWITCHES

#### PUSH SWITCHES

White Plastic  
18.5mm hole  
Push-To-Break  
Normally Closed or  
Normally Open



Contact Type	Description	Code
N/C	Push-To-Break Normally Closed	SWP800
N/O	Push-To-Make Normally Open	SWP801

### DUAL BUTTON EMERGENCY SWITCH

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

Code  
ALM122



### REED SWITCHES

#### ROLLER DOOR

United Security Products  
Professional grade security  
Made In USA. Cast alloy.  
Suit roller doors, etc. 2.25"  
Gap max. (60mm) 3.5x1.5"  
(90x40mm) base Metal coil  
wire protected Normally closed  
switch

Code  
BP33



#### FLUSH

United Security Products  
Professional grade security  
Made In USA. Reliability. Suit  
doors and windows. Invisible  
type solution 8mm plug, 20mm  
deep Normally closed switch  
White plastic plugs

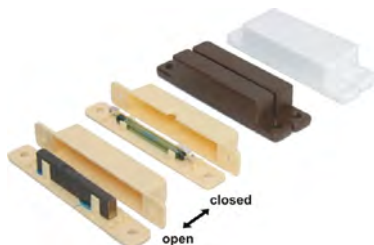
Code  
RSW74



#### CLASSIC STYLE

Magnetic proximity switch Suit doors  
and windows. 90x20x12mm (x2  
pieces) Normally open reed switch  
Requires soldering. Rola®

Colour	Code
White	RSW222
Cream	RSW686
Brown	RSW223



## Alarm Access Control

### LOCK & KEY SWITCHES

#### SP3T BARREL SWITCH

3 Position for  
Arm/Off/Test, etc.  
Single pole switch  
Key hole cover for  
keeping out dust.  
19mm Mounting Hole

Code  
AKS8071



#### CAM-LOCK

Physical key lock  
rotates the flange  
by 90 with key.

Code  
AKL101

### SECURITY KEYPAD ENTRY TERMINAL

New Weather proof version.  
Long-life Membrane keypad  
with 4x status indicators.  
Completely self contained.  
Single or Multiple user, fully  
programmable with three output  
signals.  
Big or small # Codes. Control  
the optional door strike directly  
and/or the central alarm system,  
etc. With door re-lock time-out  
features. 12V 116x116x22mm

Code  
DK9823



### SECURITY KEYPAD DOOR TERMINAL

#### WALL PLATE VERSION

Stainless steel wall plate.  
Mainly designed for security  
control or direct door-  
strike applications under  
covered areas. Single User  
or Multiple. Completely  
self contained fully  
programmable with relay  
output to control the optional  
door-strike directly and/  
or the alarm system, etc.  
With door re-lock time-out  
features. Requires 12Vdc.

Code  
DK9510

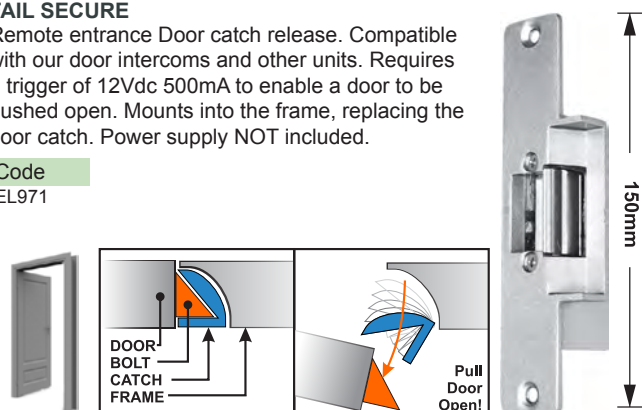


### DOOR STRIKE

#### FAIL SECURE

Remote entrance Door catch release. Compatible  
with our door intercoms and other units. Requires  
a trigger of 12Vdc 500mA to enable a door to be  
pushed open. Mounts into the frame, replacing the  
door catch. Power supply NOT included.

Code  
EL971







## → Siren and Strobe

### STROBE

#### 1W BLUE

Compact general purpose  
Suit alarms, etc. Under eave  
installation. Flush or surface  
bracket Weather proof design  
12Vdc 150mA 1W Xenon High  
energy flash 1Hz.

Code  
STL5445

#### 15W AMBER

High power Xenon flash  
Orange coloured alert 24Vdc  
800mA 92x100mm

Code  
STL5435



### SIREN STROBE UNIT

#### INDOOR ALERT 100dB

Wall mount alarm  
Compact 75x120mm  
Weather resistant  
100dB SPL output Blue  
strobe 1.25Hz Separate  
input for Strobe and  
Siren. 10-14Vdc 280mA

Code  
KPE5415



### PIEZO INDOOR SIREN

#### 12Vdc

Repel an intruder from your home  
by installing this high frequency,  
super loud 115dB siren.  
85Ø/90Øx40mm

Code  
KPE6124



### FLUSH MOUNT PIEZO SIREN

#### WALL MOUNT

Fits 55mm Mounting Hole  
12Vdc 110dB Siren

Code  
KPE6122



### INDOOR COMPACT PIEZO

45x40x60mm 105dB Black  
Warble tone 1.5K-3.5KHz

Voltage	Code
12Vdc	KPE1200
24Vdc	KPE2400



### SIREN COVER KIT

#### INCLUDES SIREN & STROBE

This product has been specifically designed to save alarm installers  
time and money. It combines a dual power AC/DC high powered siren,  
high visibility blue strobe light and tamper switch. It is housed in a  
moisture and UV resistant attractive industry standard external casing  
and all cabling is pre terminated. 190x200x135mm

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



Code  
KPE6125

### SIREN COVER

Plastic for a never corrode, never rust outdoor  
solution. White ABS with pre-punched  
mounting holes and a bracket for tamper  
switch mounting. 120mm Minimum internal.

Code  
KPE5462

### SIREN TO SUIT

Compact to suit box.

Code  
KPE6126



**SPEAKER TO SUIT**  
Compact to suit box.  
8 Ohm Speaker Only.

Code  
KPE6127



### OUTDOOR SIREN

#### WEATHER RESISTANT IP55

12Vdc with inbuilt Siren Driver.  
15W 120dB 150x130mmØ

Code  
ES514

#### 5" 8Ω HORN SPEAKER

10W Speaker Only.  
No Siren Driver. 8Ω

Code  
PAH1



### 3½" OUTDOOR SIREN

Compact 100x90mmØ  
12Vdc with inbuilt siren  
driver. 115dB single tone.  
Fits KPE5462 Cover.

Code  
KPE6126





# 21 SECURITY SURVEILLANCE

## → PIR Motion Detectors

### PIR DUAL SENSOR

#### TEMPERATURE COMPENSATED

Advanced PIR body heat movement sensor is suitable for indoor use. Compatible with any alarm control panel. Detect movement up to 12M angle 110° Automatic temperature compensation to improve performance when the ambient heat level in a room changes. Adjustable pulse count.

Code  
PIR5310

#### MOUNTING BRACKET

Suit PIR5310

Code  
PIR5311



### PIR

#### PULSE COUNT BASIC

Pulse count (selectable) RFI/EMI noise reduction temperature compensation minimise false triggering Dual look down detection Simple handyman install Attractive Unobtrusive Tamper switch. 12Vdc Economical 100x60x40mm Vertical range adjust.

Code  
PIR5314



#### STAND TO SUIT

Adjustable stand-off.

Code  
PIR5313

### PIR TRIPLE SENSOR

#### PIR & MICROWAVE WITH DSP ANALYSIS

Advanced indoor movement sensor incorporates 3 detection technologies designed to prevent false alarms caused by rapid changes in heat, light levels or from other environmental factors. Software signal analysis requires both the PIR and microwave sensors to detect an intruder. Includes temperature sensor compensation. Detection range is approx. 12 metres.

Code  
PIR5308

#### MOUNTING BRACKET

Suit PIR5308

Code  
PIR5309



### PIR & CAMERA

#### 2-IN-1 UNIT

Excellent DVR solution. Incorporates both a PIR low-noise motion sensor and a Colour CCD Camera in the one convenient installation. Audio too! Swivel mounting bracket supplied for easy aim. NO/NC relay output to alarm or DVR trigger. 2 Lux 46dB. Requires 12Vdc Not Inc. White.

CCD	Sony 1/4"
TVL	380
FOV	90°
Lens	3.8mm
Size	60x40x115mm
Code	CAM012



### DOORWAY ELECTRONIC EYE

IR reflected beam across a doorway (up to 8 metres). Includes the separated alarm buzzer alert unit. Includes 9V power pack.

Size Code  
115x45x80mm DOOR5193

#### OPTIONAL TRAFFIC COUNTER

Add a 4 digit counter.

Code  
DOOR5197

#### ADDITIONAL BUZZER UNITS

Add extra alert extensions 10M connection cord included.

Code  
BUZ5188



### DOORWAY BEAM PAIR

#### SEND UNIT & RECEIVE UNIT

IP66 Rated enclosures for indoor or outdoor. Commercial grade units. Good for 30M range. Relay trigger output. Adjustable beam power Needs buzzer & power.

Code  
DOOR5196

#### POWERED BY 12V TO 24Vdc

Power solution not included. Two power packs are needed, one for sender & receiver.

Code  
DCA100-12PM



### BATTERY OPERATED PIR ZONE ALARM

#### STAND ALONE DOORWAY SENTRY

Compact and easy to install. This Passive Infrared Detector is a totally self contained battery operated informant. Self-standing or wall mount. No-wiring, easy to install. Excellent temporary solution for welcoming visitors with a Gentle chime or constant buzz for intruder detection & alert. Use as a door sentry in shops place in no-go areas at work or to protect children, etc. **Requires a 9V battery.**

Code  
MA002



### SMOKE DETECTOR

Sensor Type: Infrared Photoelectric Diode. Dust and insect proof. White finish. Detection Range 20m Sq. 12Vdc external power. Suit alarm systems.

Code  
ALM121



#### SMOKE DETECTOR TESTER

Designed for testing Ionisation and Photoelectric type. Smoke alarms and detectors. Up to 200 sprays 100g net. CFC Free. Road transport Only.

Code  
LIFLT711





## ↓ Power Supplies

### POWER PACKS 12V

#### 12Vdc 2.1mm POSITIVE TIP

All 12Vdc 2.1mm Positive Tip Power packs.



Current	Type	Code
100mA	Linear	DCA100-12PM
200mA	Linear	DCA200-12PM
300mA	Linear	DCA300-12PM
400mA	Switch Mode	SMP400-12P
500mA	Linear	DCA500-12PM
1000mA	Switch-Mode	SMP12V1A-21P
1500mA	Switch Mode	SMP1500-12-21P
2500mA	Switch Mode	SMP12V-2.5A-21R
5000mA	Switch Mode	SMP12V5A-21P



See Section 12 for more types & higher current.

### POWER PACK 16VAC

#### WITH EARTH LEAD

Voltage	16Vac
Current	1500mA
Type	AC, 3 Wire
Code	ACA1615QE



### AC-DC CONVERTER

#### 36Vac/dc - 12Vdc

Max 36V AC or DC input is converted into 12VDC.

With 1 Amp max. Regulator.

Code  
DCC100



### CCTV POWER SUPPLY WALL MOUNT

#### 18x 12Vdc @ 500mA OUTPUTS

150W Total. 18 outputs, individually fused. 18 LED power indicators for quick supply inspection. Screw terminal connections lockable, two keys supplied. Powder coated metal housing. Input Voltage 240Vac. Output Voltage 12Vdc 18x 500mA (9A) 12A max.

Description	Size	Code
12V 18CH SMP	312x205x50mm	SMP12V18CH



#### UPS VERSION

120W. Space in cabinet for 12V battery for power backup. Battery sold separately.

Description	Size	Code
12V 18CH UPS	271x213x94mm	SMP12V18CH-UPS
12V 7Ah Backup	65x150x 95mm	PG7-12



### CCTV POWER SUPPLY 19" RACK MOUNT

#### 16 PORT RACK MOUNT

Professional power solution. Compact and efficient supply 16 outputs, 16x individually fused & LED power indicators for quick supply inspection. 1.8M power cable included. Size 515x260x128mm.

Output	Channel	Input	Code
12VDC 10A	16CH	100-240AC	RPU121016
24VAC 10A	16CH	240VAC	RPU241016



### DC PLUG WITH LEAD

Pre-made 1.8 metre lead with DC plug.

Plug	Type	Barrel	Code
2.1mm	Straight	9mm	DCL2109ST
2.1mm	Straight	12mm	DCL2112ST
2.1mm	R/Angle	9mm	DCL2109RA
2.1mm	R/Angle	12mm	DCL2112RA



### DC PLUG - SCREW TERMINAL LEAD

2.1mm Positive Tip

Code  
P422



### DC SOCKET - SCREW TERMINAL

Code  
S423



### DC SOCKET WITH LEAD

10cm Lead

Code  
DCL2119ST



### DC PLUG - SCREW TERMINAL

Code  
P423



### DC PLUG - SPLITTER

Splits power 5 ways

Code  
DCL5



### DC TESTER

Although compact in size, this 5-in-1 Multi Purpose 12VDC Tester is an essential product for installers who need to perform troubleshooting tests while installing CCTV surveillance systems. The unit has a selectable 500mA or 1A load, 4 individually lit LEDs to indicate the strength of the voltage (Bad, Weak, Good, Excellent), two test status indicators (Power, Overheat) and a DC jack input, allowing you to plug the DC power jack directly into the tester for greater flexibility.

- The five tests which the unit can perform are:
- Voltage Test
- Load Test
- Voltage Drop Test
- PTC Fuse Test
- Polarity

Code  
DCC101





## → Connection Cables

### VIDEO GROUND-LOOP ISOLATOR

#### BNC COAX CCTV FIX

Passive device for removing common interference & noise caused by cable points with different ground potentials  
Built-in Transient Voltage Suppressor surge protection  
Eliminate tearing & cross-talk

Code  
VB001

#### WITH DVR FIX

Same as above with extra filtering for digital noise  
For DVR line noise, etc.

Code  
VB002



### SECURITY CAMERA CABLE

#### 5 CORE + 75Ω COAX

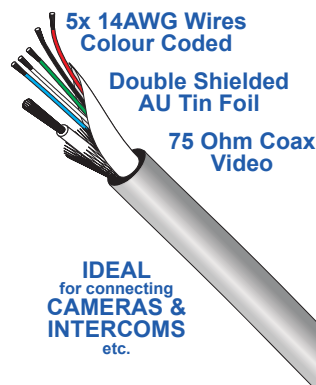
Coax Video Cable 5x control leads Colour coded, Combined in one shielded cable. Suit camera runs & Door Intercoms. Cream jacket.

100M REEL

Code  
SEC7505

305M REEL

Code  
SEC17505



IDEAL for connecting CAMERAS & INTERCOMS etc.

### CAMERA EXTENSION LEADS

#### VIDEO & POWER RCA

VIDEO RCA Plug-Plug  
POWER 2.1mm Plug-Socket

Length	Code
10M	VC310
17M	VC324

#### AUDIO-VIDEO-POWER BNC

VIDEO BNC Plug-Plug  
AUDIO RCA Plug-Plug  
POWER 2.1mm Plug-Socket

Length	Code
10M	VC6710
15M	VC6712
20M	VC6713



EASY WIRE

BNC-Video / RCA-Audio / DC or RCA-Video / DC

### SECURITY CAMERA CABLE RG59B/U

#### 2 CORE + 75Ω COAX RG59

Coax Video Cable 2x Power lead Colour coded, Combined in one heavy-Duty cable. Suit camera runs & Door Intercoms. Black jacket. 6.0mm

100M REEL

Code  
SEC101

305M REEL

Code  
SEC103



IDEAL for connecting CAMERAS & INTERCOMS etc.

### PLUGS

#### DC PLUG

Description	Code
2.1mm Plug	P421L
2.1mm Lead	DCL2112RA

#### BNC PLUG

Solder types:

Description	Code
Screw	P651
R/Angle	P653
Male» RCA Female	AD230



PLUGS SEE Section 7

### VIDEO BNC LEADS & RCA LEADS

Description	Code
BNC Plug To BNC Plug 1.5 Metre 75 Ohm Coax	VC1
BNC Plug To BNC Plug 3 Metre 75 Ohm Coax	VC203
BNC Plug To BNC Plug 10 Metre 75 Ohm Coax	VC210
RCA Plug To BNC Plug 1.5M 75 Ohm Coax	VC6
RCA Plug To BNC Plug 3 metres 75 Ohm Coax	VC6L

### VIDEO COAX CABLE

#### 75Ω RG59AU 6mm MULTI-STRAND CORE

Length	Code
100M	RG59AU

#### 75Ω RG59U 6mm SINGLE-CORE PE FOAM

Length	Code
100M	RG59U

#### 75Ω RG6 6.8mm SINGLE-CORE PE DUAL-SHIELD

Length	Code
100M	RG6PE

#### 75Ω RG6 7.5mm SINGLE-CORE PE QUAD SHIELD

Length	Code
100M	RG6Q100

PLUGS SEE Section 7

CABLE SEE Section 13



### WIRELESS SOLUTION

#### 2.4GHz VIDEO LINK

Jump your colour camera up to 100M wirelessly. See "ZT" Range for more.

#### TRANSMITTER

Code  
ZT401

#### RECEIVER

Code  
ZT707

#### PC RECEIVER

USB Connection



Just Add Any Camera

ZT707 RECEIVER

ZT401 With Adaptor RCA & BNC Requires 12Vdc Power

More ZT Wireless Cameras Available

### SECURITY CABLE - ACA APPROVED

Low voltage colour coded connection cable encased in a PVC jacket. Not twisted pairs. As used in alarm systems & telecommunications.

Length	Core	Colour	Code
100M	4	Brown	SEC414BR-100
305M	4	Brown	SEC414BR-305
100M	4	Grey	SEC414GY-100
305M	4	Grey	SEC414GY-305
100M	4	White	SEC414WH-100
305M	4	White	SEC414WH-305
100M	6	Brown	SEC614BR-100
305M	6	Brown	SEC614BR-305
100M	6	Cream	SEC614WH-100
305M	6	Cream	SEC614WH-305
100M	6	Grey	SEC614GY-100
305M	6	Grey	SEC614GY-305

Austel Approved.

CABLE SEE Section 13





## → Twisted Pair Video Transmission

### TWISTED PAIR VIDEO TRANSMISSION

#### COMPOSITE VIDEO OVER CAT5

To compliment the advancement of CCTV technology, an economical, long distance, low noise method of camera cable transmission is necessary. Utilising the low cost Cat5 type Twisted-Pair cabling system offers an economical installation solution of quality and distances of as high as 1½ Km. An ideal solution due to the high noise rejection and low crosstalk makes this suitable for most installations including the home, office, factory, concrete or steel.

**CABLE MUST BE UNSHIELDED TWISTED PAIR. 24g 16AWG less than 18Ω/100M(DC) 50pF/M**



#### PASSIVE TRANSCIEVER PAIR

##### GOOD FOR UP TO 300M

No power required. Requires 24 AWG or larger gauge twisted pair cable. In/Out Normal TV Composite video BNC Sockets I/O DC-6MHz 1V 75Ω 60dB S/N 300M. Just add twisted-pair cable only. Transmitter & Receiver supplied.



Code  
VB101

#### ACTIVE TRANSCIEVER PAIR

##### GOOD FOR UP TO 800M

This kind of transferring method has lots of advantages such as convenient wiring, low-cost cable simple install, high reliability, anti-interference low noise. Distance EQ switches for tuning. BNC 1Vpp video in. BW is 6MHz. Requires twisted pair cable.



Code  
VB201

##### REQUIRES POWER x2

Power can be sent via 2nd cable 12Vdc or 24Vac can be used:

Code  
DCA500-12PM

#### ACTIVE TRANSCIEVER PAIR

##### GOOD FOR UP TO 1500M

With the addition of an active receiver to the active transmitter, incredible distances are achieved. Low cross talk. High noise rejection. Excellent performance to cost ratio. Earth connection for lightning safety. Suit general composite colour video. Requires 24Vac or 12Vdc at BOTH ends. Requires Twisted-Pair (Cat5) Cable. BNC I/O 1Vpp 75Ω DC→6MHz Bandwidth. KIT includes a Transmitter & Receiver.



Code  
VB202

##### REQUIRES POWER X2

Power can be transmitted through the cable.

### MULTI-CHANNEL VIDEO BALUN

#### 4 WAY BNC [CVBS] ON ONE CAT5

4CH Send/Receive in one box (2x req.) Uses bare wire terminated CAT5 cable. Requires a second box at other end or run individually to each camera with our compatible VB101 baluns. No cable supplied. (200M max.)



**Hard-Wired CAT5 or RJ45 CAT5**



**4CH BNC Video**

Code  
VB9252

#### PASSIVE RECEIVER PAIR CAT-5

##### DIRECT PLUG CAT-5 GOOD FOR 200 METRES

Converts standard composite video into a balanced signal for transmission along common twisted pair cables (CAT5/6 RJ45). Colour video 200M+ and B&W Video 300M+. Converts Video (BNC male) to Balanced signal (RJ45) for twisted pair runs. 2 Required for Transmit & Receive (1 at each end).

**SOLD EACH TWO ARE REQUIRED**  
One for Send and One for receive.

Code  
VB860



#### CCTV PASSIVE TRANSCIEVER VIDEO BALUN

ABS fire retardant plastic. No power required. Requires 24 AWG or larger gauge. Twisted pair cable In/Out Normal TV. Composite video BNC Sockets I/O. DC-6MHz 1V 75Ω, 60dB S/N 300M. Just add Twisted-pair cable Only (such as CAT5 or CAT6). Can be use as Transmitter/Receiver. Installed directly to the camera video out put.

**GOOD FOR UPTO 300M**



Baluns are sold individually. 2 pieces required, One for transmitter and one for receiver. All three models are interchangeable with each other.

#### MINI-FAST CONNECTION PASSIVE TRANSCIEVER

BNC male with Spring compression terminals, easy to connect or disconnect

Code  
VB102



#### FAST CONNECTION WITH MINI-COAX PIGTAIL

Male BNC with extended 175mm pigtail. Spring compression wire terminal reduces wiring time.

Code  
VB103



#### SCREW TERMINATION PASSIVE TRANSCIEVER

Male BNC with extended 175mm pigtail. Screw terminal.

Code  
VB100





# 21 SECURITY SURVEILLANCE

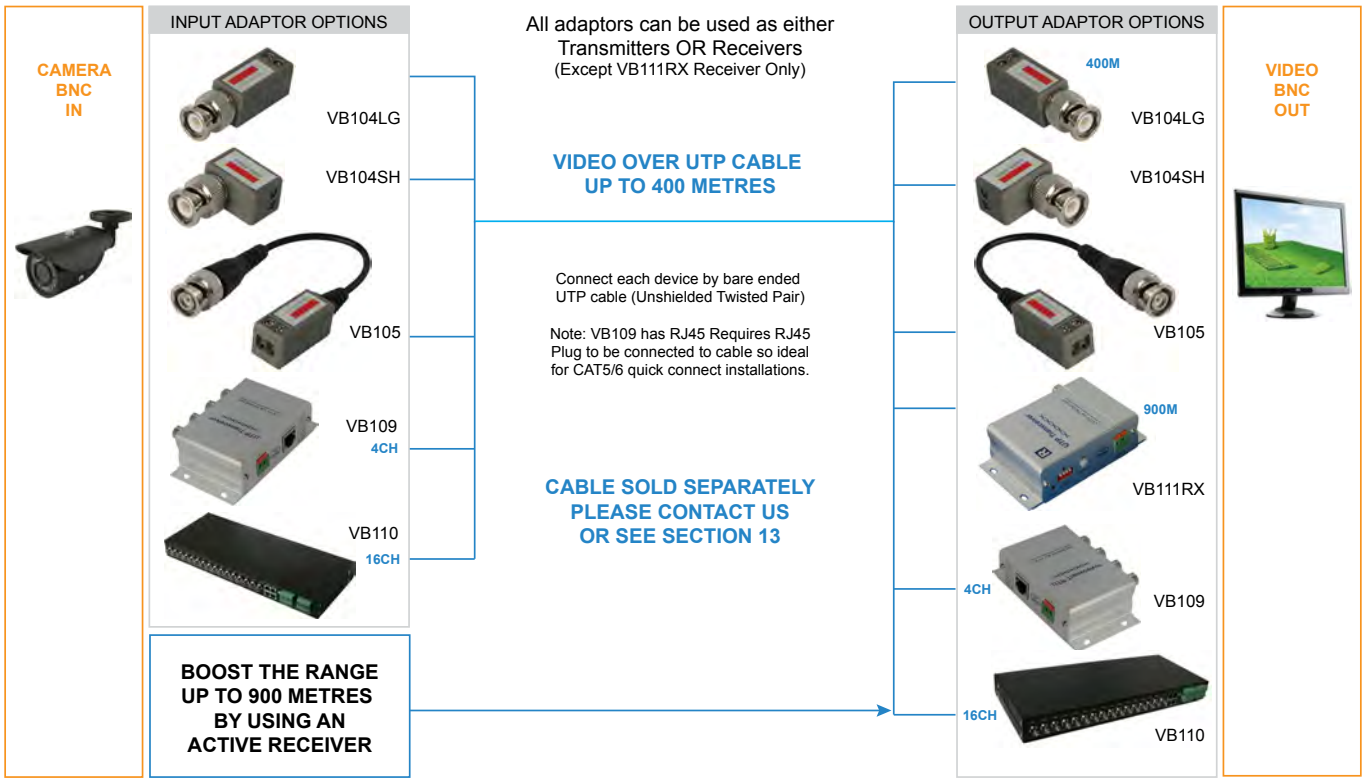
## → Twisted Pair Video Transmission

### CCTV OVER CAT-5/6 VIDEO BALUN

GOOD FOR UP TO 400M. NO POWER REQUIRED.

Passive balun technology to transmit colour composite video signal over twisted-pair cable up to an amazing 400 Metres!  
Boost this range up to 900 Metres by using the active receiver option. Easy & quick. Installs directly to the camera video output.

21 SECURITY SURVEILLANCE



#### 1 CHANNEL PASSIVE TRANSCIEVER STRAIGHT

Receive / Transmit video signals over UTP cable with out using power supply. Size: 32x21x15mm. 400M Distance.

Range Code  
400M VB104LG



#### 1 CHANNEL PASSIVE TRANSCIEVER RIGHT ANGLE

Receive / Transmit video signals over UTP cable with out using power supply. Size: 32x21x15mm. 400M Distance

Range Code  
400M VB104SH



#### 1 CHANNEL PASSIVE TRANSCIEVER WITH COAX PIGTAIL

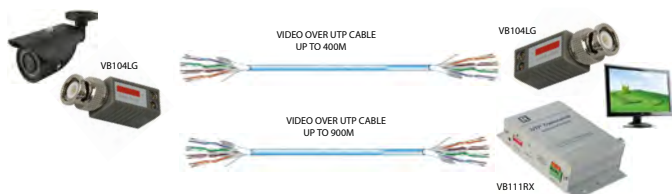
Receive / Transmit video signals over UTP cable without using power supply. Up to 400M Distance. Size: 32x21x15mm. 175mm coax pigtail.

Range Code  
400M VB105



#### 2 UNITS REQUIRED

Baluns are sold individually. 2 pieces required. A transmitter and a receiver. All four models are interchangeable with each other. Please select a unit to suit your specific application:



#### 1 CHANNEL ACTIVE RECEIVER

##### GOOD UP TO 900M

Used to increase distance of a single channel to up to 900M over twisted pair cable. Compatible with any transmitter. 12Vdc Req. Power supply not included. 103x70x30mm.

Description	Code
Active Receiver 900M	VB111RX
12V 100mA Power Pack	DCA100-12PM



#### 4 CHANNEL PASSIVE TRANSCIEVER

Receive / Transmit video signals over UTP cable with out using power supply. Size: 103x70x30mm.

Range Code  
400M VB109



#### 16 CHANNEL PASSIVE TRANSCIEVER

Receive / Transmit 16 video signals over UTP cable. 400M Distance. Connects via either CAT5e RJ45 cables (x4) to VB109 or another VB110 or individual screw terminal pairs for each to twisted pair cables for VB104 and VB105. Size 1U 44x180x430mm (Brackets included) 16 Channels BNC Female in/out.

Description	Code
16CH RX/TX	VB110

#### TRANSMIT OR RECEIVE VIDEO

400M





## → Twisted Pair Video Transmission

### CCTV VIDEO OVER UTP BALUN 1200 METRES

**GOOD FOR DISTANCES UP TO 1200 METERS !**

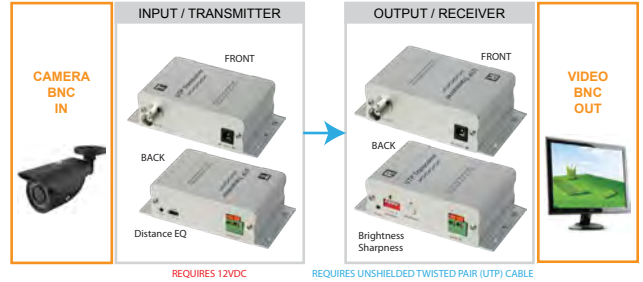
Transmit colour composite video signals up to 1200 metres in distance without image loss using common CAT5/6 or other UTP type cable. This kind of video transferring method has many advantages; such as convenient economical wiring using low-cost cable with a simple install. Boasts, high reliability, excellent anti-interference for maintaining a low noise image. Distance equaliser switches for tuning image optimisation. Built in Linearity with Sharpness & Brightness Control adjustments. Requires Unshielded-Twisted-Pair (UTP) Type Cable like CAT5/6, etc. BNC Video I/O 1Vpp 75Ω DC-6MHz Bandwidth. 2x 12V DC power supplies are required for Transmitter & Receiver (not included).

Baluns are sold individually. 2 pieces required  
 - One for transmitter and one for receiver.  
 Each unit requires a 12Vdc power solution.

Range	Type	Code
1200M	Transmitter	VB111TX
1200M	Receiver	VB111RX

#### POWER SUPPLY

Code
DCA100-12PM



### AUDIO & VIDEO & RS-485 OVER CAT5/6 BALUN 1200 METRES

**TRANSMIT AV & CONTROL FOR LONG DISTANCES WITHOUT SIGNAL DEGRADATION USING COMMON CAT5/6 CABLE**

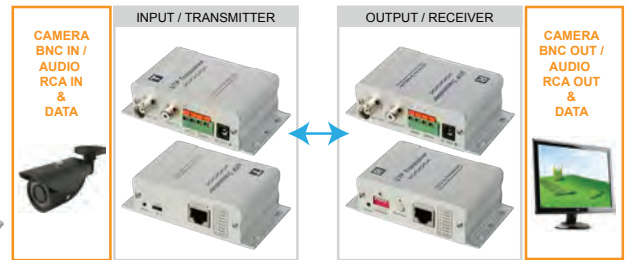
Transmit colour composite video signals over a kilometre in distance without image loss using common CAT5/6 or other UTP type cable. This kind of video transferring method has many advantages; such as convenient economical wiring using low-cost cable with a simple install. Boasts, high reliability, excellent anti-interference for maintaining a low noise image. Distance equaliser switches for tuning image optimisation. Built in Linearity with Sharpness & Brightness Control adjustments. Requires Unshielded-Twisted-Pair (UTP) Type Cable like CAT5/6, etc. BNC Video I/O 1Vpp 75Ω DC-6MHz Bandwidth. 2x 12V DC power supplies are required for Transmitter & Receiver (not included).

Baluns are sold individually. 2 pieces required  
 - One for transmitter and one for receiver.  
 Each unit requires a 12Vdc power solution.

Range	Type	Code
1200M	Transmitter	VB112TX
1200M	Receiver	VB112RX

#### POWER SUPPLY

Code
DCA100-12PM



### CCTV PASSIVE VIDEO + POWER OVER CAT-5/6 BALUN

Extend Video signals & Power over a single CAT5/6 cable.  
 Sold in pairs (Transmitter & Receiver)  
 RJ45 socket for Cat-5/6 cable  
 BNC and 2.1mm DC connections.  
 Size 43x20x21mm.  
 Up to 100M distance.  
 CAT5/6 Cable required.

Range	Code
100M	VB106



### CCTV PASSIVE VIDEO & AUDIO + POWER OVER CAT-5/6 BALUN

Extend Video, Audio and Power over a single CAT5/6e cable. Sold in pairs (Transmitter & Receiver)  
 RJ45 socket for Cat-5/6 Cable  
 BNC Video, RCA Audio and 2.1mm DC.  
 Size 43x20x21mm.  
 Up to 100M distance.  
 CAT5/6 Cable required.

Range	Code
100M	VB108





## → DVR PC Cards

### DUAL STREAMING H.264 MULTIPLEX DVR CARDS

#### Support 3G Mobile Phone/PDA by Dual Streaming

Advanced digital video processing arithmetic, auto de-noise, high resolution & quality. DDNS/P2P/VNN & 3G Mobile phone view support. No router settings required (UPNP). 10 bit video decoder. Software support 32 channel real time compression and displaying maximum. H.264 compression formulae for 50-120MB per hour per channel compression ratio. 352 x 288, 528 x 384, 704 x 576 video resolution. Note: Resolution selected effects frames per second capture rate.

TCP/IP network support. Supports internet browser, client site software, built-in DDNS. Supports OSD timely cover, digital watermark, motion detection recording and other features depending on series

System Requirement - Windows 2000 / XP.

- 3G Mobile phone view, IE view (DDNS).
- No Router setting required (UPNP).
- 10 bit video analogue to digital encoder.
- Up to 32 channel real time compress & display.
- Video Resolution: 352 x 288, 528 x 384, 704 x 576.
- Compression Format H.264/MPEG-4.
- Compression Ratio: 50 -120MB per hour per channel.
- Network Protocol :TCP/IP.

Symbian 3G Windows media iPhone/iPad/Blackberry/Android



2G/3G/WIFI

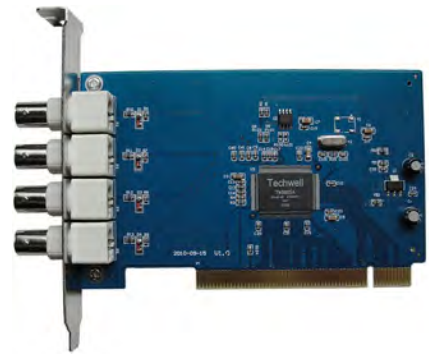


Multiple Audio  
Multiple Video

### 6805 SERIES PCI DVR CARD

#### EXCELLENT VALUE SINGLE CHIP

Techwell 6805 chipset, 10 bit video decoder. DUAL-STREAM, double high speed for transferring video allows high Internet transfer speed simultaneously for D1 preview & D1 recording. BNC Direct connection video inputs to PCI computer card. Software included requires windows 7, XP, 2003 type PC. H.264 Video compression for efficient storage. Motion detect. Support Video Resolution: 352 x 288, 528 x 384, 704 x 576px. DDNS. PTZ control. Audio input compatible. CMS Support.

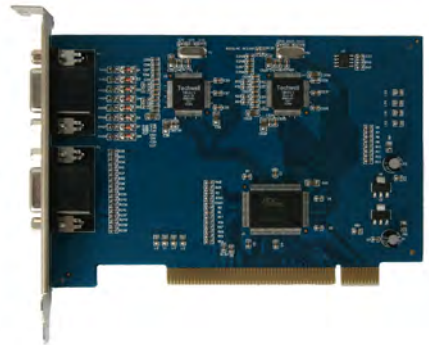


Channel	Type	Video Input	Audio Input	Capture Rate	Recording Resolution	Code
4CH	PCIe	4CH	4CH	100FPS	CIF	CCTV230

### 6815 SERIES DUAL STREAM DVR CARD

#### CIF RECORDING HIGH VIDEO PERFORMANCE

TW6815 chipset 10 bit video encoder with auto de-noise. Full real time preview. Automatically correct color and brightness. Supports mobile phone view, the video speed is fluently efficient due to dual-streaming function. Support "connect easy", automatically port forwarding, Router setting is not needed. Windows XP, 2000, 2003. DDNS. TCP/UDP. 352 x 288, 528 x 384, 704 x 576px.



Channel	Type	Video Input	Audio Input	Capture Rate	Recording Resolution	Code
4CH	PCI	4CH	4CH	100FPS	CIF	CCTV231
8CH	PCI	8CH	8CH	200FPS	CIF	CCTV232
16CH	PCI	16CH	8CH	400FPS	CIF	CCTV233
16CH	PCIe	16CH	8CH	400FPS	CIF	CCTV235

### 116868 SERIES HIGH-RES DVR CARD

#### FULL D1 RECORDING ON EACH CHANNEL

High performance at the full D1 resolution for all 8 channels. Dual streaming performance for D1 previewing and recording simultaneously with higher system stability and transmission especially for use with mobile technologies. Automatic picture compensation. H.264 & MP4 file compression. Windows 2000, 2003, XP. DDNS.



Channel	Type	Video Input	Audio Input	Capture Rate	Recording Resolution	Code
8CH	PCIE	8CH	8CH	200FPS	D1	CCTV234





## ↓ DVR PC Cards

### PCIe DVR CARDS - GEOVISION DIGITAL SURVEILLANCE SYSTEM

#### PCIe [EXPRESS] CARDS WITH MULTI-CHANNEL AUDIO AND SOFTWARE - SUPPORTS ANALOGUE AND GEOVISION IP CAMERAS

Geovision's Digital Surveillance Series has been designed with the user in mind. Based around PC Based technology Geovision's Surveillance System can be used on up to 32 analogue or IP cameras. The Multicam system, from Geovision, uses built-in motion detect technology and can be set to record only moving objects. The Geovision systems then store these with a date and time stamp. These CCTV images are compressed onto the PC's Hard Disk. Geovision CCTV images can then be viewed remotely from anywhere in the world via an internet connection.

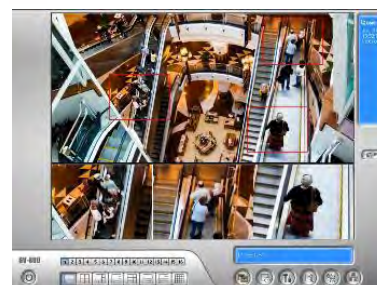
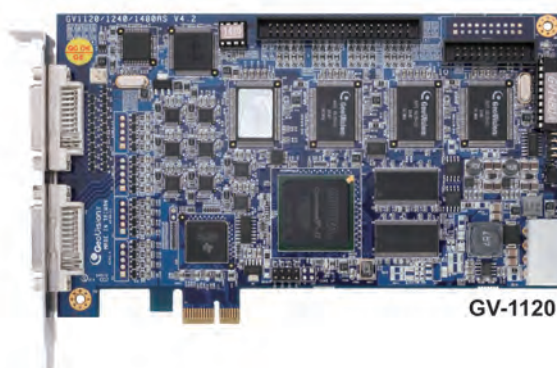
The latest GeoVision software is updated constantly to offer the CCTV user the best quality and features. It makes our surveillance systems the best in the world. Features including: 32 Channel NVR / Hybrid DVR, Geovision IP Camera Integration, Pure Software NVR IP Solution, Advanced Video Analytics, Picture in Picture, Picture & Picture, Panoramic View, Video Stabilization and Defog. New Geo H.264 V2 compression, brand new Webcam User Interface, Group Storage and Access Control Software/Hardware Solutions.

Mobile phone applications compatible. Supports 4, 9, 16 screen devices. PTZ control and channel selecting.

Compatible Geovision IP Cameras are available. Please enquire for a brochure.



Video	Audio	Record		Display Resolution	Code
		D1	CIF		
4	1	12.5fps	25fps	12.5fps	GV-600B-4
8	1	12.5fps	25fps	12.5fps	GV-600B-8
16	1	12.5fps	25fps	12.5fps	GV-600B-16
4	2	25fps	50fps	25fps	GV-650B-4
8	2	25fps	50fps	25fps	GV-650B-8
16	2	25fps	50fps	25fps	GV-650B-16
4	4	50fps	100fps	50fps	GV-800B-4
8	4	50fps	100fps	50fps	GV-800B-8
16	4	50fps	100fps	50fps	GV-800B-16
8	8	100fps	200fps	100fps	GV-900A-8
16	8	100fps	200fps	100fps	GV-900A-16
32	8	100fps	200fps	100fps	GV-900A-32
8	8	200fps	200fps	400fps	GV-1120-8
12	12	200fps	200fps	400fps	GV-1120-12
16	16	200fps	200fps	400fps	GV-1120-16
8	8	100fps	200fps	400fps	GV-1240-8
16	16	100fps	200fps	400fps	GV-1240-16
16	16	200fps	400fps	400fps	GV-1480
8	8	200fps	200fps	200fps	GV-1008-8
16	8	2x200fps	2x200fps	2x200fps	GV-1016
8	8	200fps	-	200fps	GV-4008A
16	8	2x200fps	-	2x200fps	GV-4016A



#### GeoVision NVR

GeoVision NVR is an IP Camera software system without the need for a GV PCI Capture card. It is compatible with a variety of IP cameras including Axis, Mobotix, IQInvision, GeoVision, Sony, JVC & Panasonic.



#### Remote Monitoring

GeoVision's Remote Monitoring Solutions are designed for reliable remote viewing of digital surveillance cameras. Including 2 Way Audio, Remote PTZ Control and Remote I/O Activation.



#### GeoVision Accessories

GeoVision Accessories include PTZ Control, Alarm Input/Output modules and EPOS Integration.



#### GeoVision IP Cameras

GeoVision IP Cameras include 1.3, 2, 3 and 4 Megapixel with a variety of models available. Indoor, outdoor.



#### GeoVision Access Control

GeoVision Access Control solutions include single and multi door, finger print and proximity readers.



#### GeoVision Catalogue

A catalogue of more GeoVision items is available from WES Components. Please Enquire.





## → DVR Systems

### DVR500 FOUR CHANNEL KIT WITH CAMERAS

#### DIGITAL VIDEO RECORDER INCLUDES HARD DISK & CABLES

Utilising the latest H.264 video compression technology, the Watchguard DVR500 complete surveillance package is ideal for a home or small business wanting to set up a digital surveillance system with network and remote access. It features H.264 Video Compression Technology - allowing for higher resolution image recording with smaller file sizes, Multiplex Operation allowing live display, record, playback and network operations simultaneously and Intelligent Video Motion Detection recording.

This complete surveillance package contains everything needed to set up the system with a 4 Channel Digital Video Recorder with 1000GB hard drive, 4x10M IR Day/Night weatherproof cameras (Rated IP67), power supplies, camera connection cables (2 x 10m, 1 x 20m, 1x 30m) and 4x CCTV warning stickers. The system has been designed to allow quick and easy installation and comes with an easy to follow operation manual.

The DVR can record up to 25 image frames per second per camera at D1 resolution (704 x 576). You can adjust the recorder settings for both image quality and frame rate, and when the HDD is full, you can set the DVR to automatically record over the oldest footage. If connected to a windows PC network, footage can be viewed over the network using the included software. If the network has a high-speed Internet connection, footage can also be viewed remotely over the Internet. The software also enables footage to be backed up / archived from the DVR to a PC allowing storage on another HDD or burning to a DVD or CD.

#### PACKAGE INCLUDES:

- 1 x 4 Channel H.264 DVR with 1000GB Hard Drive
- 4 x Day / Night camera (10m IR range)
- 4 x Camera Connection Cables
- 2 x Switch Mode Low Voltage Power Supplies
- 4 x Highly Visible UV Resistant Window Warning Stickers
- 1 x Monitor Connection Cable
- 1 x Network Cable (Optional Use)
- 1 x Power Split Cable



Description	Camera	Hard Disk	Code
4x Camera & DVR Kit	4x Outdoor	1000GB	DVR500

### Available With WIDE SCREEN MONITOR

#### DVR500 WITH 19" LCD MONITOR

Complete system all in one box including cameras, cables, DVR and even the monitor! Inbuilt 1Tb Hard disk. Ready to go! Saves time and money. See DVR500 for details.



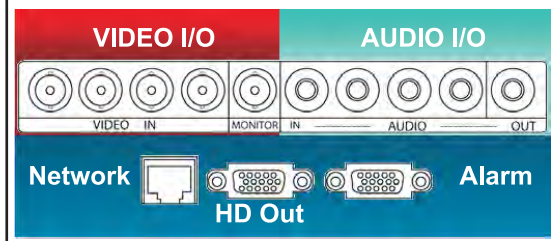
Description	Camera	Hard Disk	Code
Kit with Monitor	4x Outdoor	1000Gb	DVR500LCD



Monitor Style May Change

19" WIDE SCREEN LCD  
Cables, Cameras, all included.

SPECIFICATIONS:	
Video Input	4 Channels
Video Output	VGA, Composite
Audio Input/Output	4 Channels / 1 Channel
Video Compression	H.264
Max Display Framerate	100FPS
Max Record Framerate	100FPS (25FPS x4 @ CIF) 100FPS (6FPS x4 @ D1)
Recording Resolution	D1(704 x 576) CIF(352 x 288)
Hard Drive Bay	1, max. capacity 1TB
Backup Methods	USB, Network
Alarm Input/Output	4 Inputs, 1 Output
PTZ Control	Yes
Power	19VDC
Mobile Surveillance	Yes: iPhone, BlackBerry, Windows Mobile & Java
USB Mouse Control	Yes



### DVR KIT INCLUDES 1,000GB HDD





## → DVR Systems

### DVR500 Continued...

#### Complete 4 Channel H.264 Digital Video Surveillance Kit with cameras and a 1000GB Hard Disk

##### DVR

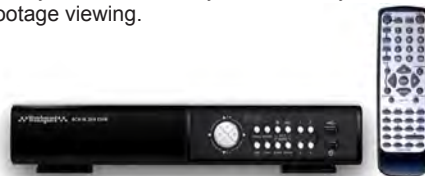
Advanced H.264 Video Compression Technology. Multiplex Operation. Long Recording Duration. Intelligent Video Motion Detection Recording. Remote Network Surveillance & Backup Functions. Easy to operate with remote or USB mouse. System Auto recovery after power loss.

##### 4 x 15 IR Day/Night Cameras

High Quality CCD Image sensor. 14 x IR LEDs. 480 TVL Resolution.

##### PACKAGE INCLUDES

- **1 x 4 Channel H.264 Stand Alone Digital Video Recorder With Network Functionality, Remote Access & 500GB Hard Drive**
- Advanced H.264 video compression technology
- Multiplex operation
- Long recording duration
- Intelligent video motion detection recording
- Remote network surveillance & backup functions
- Easy to operate like a VCR with buttons for play, record, FF, RW, pause, search, etc
- System auto recovery after power loss (blackout)
- Supports manual / timer / motion / alarm / remote recording functions
- Watermark function ensures authentication of the recorded images
- \* Supports TCP/IP, PPPoE, DHCP and DDNS network connection
- The DVR500 DVR is compatible with the Eagle Eyes iPhone Application, which allows you to connect to your DVR via your iPhone for real-time footage viewing.



- **4 x Outdoor Cameras**
- High Quality CCD Image Sensor for Superior Picture Quality
- 14 x IR LEDs for Viewing in Total Darkness up to 10m
- 480 TVL Resolution
- Compact Size make it ideal for use indoors or out
- Built-in adjustable stand for wall or ceiling mount



Description	Camera	Hard Disk	Code
4x Camera & DVR Kit	4x Outdoor	1000GB	DVR500

##### DVR500 WITH 19" LCD MONITOR

Description	Camera	Hard Disk	Code
Kit with Monitor	4x Outdoor	1000Gb	DVR500LCD

- **4 x Camera Connection Cables**
- Combined DC Power and Video Leads Pre-terminated Allowing Simple Plug-in Connection (No Tools Required)
- 2 x 10m, 1x 20m, 1 x 30m Leads Supplied



- **2 x Switch Mode Low Voltage Power Supplies**
- 1 x 3Amp 12VDC Supply for Use with the Power Split Cable to Power All Cameras
- 1 x 2Amp 19VDC Power Supply for Use with the DVR Advanced Switch Mode Technology



- **4 x Highly Visible UV Resistant Window Warning Stickers**



- **1 x Monitor Connection Cable**
- Allows You to Connect the BNC Monitor Output from the DVR to the RCA Video Input on Your TV / VCR
- **1 x Network Cable (Optional Use)**
- Allows You to Connect the LAN Port on the DVR to Your PC or Network to Facilitate Remote Viewing or Backup Functions
- **1 x Power Split Cable**
- Allows You to Connect All 4 Cameras to 1 Power Supply

## Watch Over the Internet from Anywhere!\*

This Surveillance System is capable of offering mobile surveillance via many popular mobile models such as iPhone & BlackBerry, and devices running Windows Mobile, Android & Symbian operating systems.

Network surveillance can be accessed through a web browser.

\* Broadband internet required for remote access.

### Monitor from your smart phone!





# 21 SECURITY SURVEILLANCE

## → DVR Systems

### DVR502 EIGHT CHANNEL KIT WITH CAMERAS

#### DIGITAL VIDEO RECORDER INCLUDES HARD DISK & CABLES

Utilising the latest H.264 video compression technology, the DVR502 complete surveillance package is ideal for a home or small business wanting to set up a digital surveillance system with network and remote access. It features H.264 Video Compression Technology - allowing for higher resolution image recording with smaller file sizes, Multiplex Operation allowing live display, record, playback and network operations simultaneously and Intelligent Video Motion Detection recording.

This complete surveillance package contains everything needed to set up the system with a 8 Channel Digital Video Recorder with 1000GB hard drive, 4x10M IR Day/Night weatherproof cameras (Rated IP67), 4x Dome Indoor cameras, power supplies, camera connection cables (2 x 10m, 2 x 20m, 4x 30m) and 4x CCTV warning stickers. The system has been designed to allow quick and easy installation of and comes with an easy to follow operation manual.

The DVR can record up to 25 image frames per second per camera at D1 resolution (704 x 576). You can adjust the recorder settings for both image quality and frame rate, and when the HDD is full, you can set the DVR to automatically record over the oldest footage. If connected to a windows PC network, footage can be viewed over the network using the included software. If the network has a high-speed Internet connection, footage can also be viewed remotely over the Internet. The software also enables footage to be backed up / archived from the DVR to a PC allowing storage on another HDD or burning to a DVD or CD.

- PACKAGE INCLUDED:
- 1 x 8 Channel H.264 DVR with 1,000GB Hard Drive
- 4 x Day / Night camera (10m IR range)
- 4 x Dome Indoor Cameras
- 8 x Camera Connection Cables
- 2 x Switch Mode Low Voltage Power Supplies
- 4 x Highly Visible UV Resistant Window Warning Stickers
- 1 x Mouse
- 1 x Monitor Connection Cable
- 1 x Network Cable (Optional Use)
- 1 x Power Split Cable

Description	Camera	Hard Disk	Code
8x Camera & DVR Kit	4x Indoor 4x Outdoor	1000GB	DVR502

### DVR503 SIXTEEN CHANNEL KIT WITH 16 CAMERAS

Full feature set as DVR502 expanded to include 2 Terabyte Hard disk, 4 Indoor dome cameras plus 12 outdoor weatherproof IR cameras. Supplied with connection cables and other accessories as required. Records 400FPS @ CIF, 100FPS@D1

Description	Camera	Hard Disk	Code
16x Camera & DVR Kit	4x Indoor 12x Outdoor	2000GB	DVR503

#### SPECIFICATIONS:

Video Input	8 Channels
Video Output	VGA, Composite
Audio Input/Output	8 Channels / 1 Channel
Video Compression	H.264
Max Display Framerate	200FPS
Max Record Framerate	200FPS (25FPS x8 @ CIF) 200FPS (6FPS x8 @ D1)
Recording Resolution	D1(704 x 576) CIF(352 x 288)
Hard Drive Bay	1, max. capacity 1TB
Backup Methods	USB, Network
Alarm Input/Output	8 Inputs, 1 Output
PTZ Control	Yes
Power	19VDC
Mobile Surveillance	Yes: iPhone, BlackBerry, Windows Mobile & Java
USB Mouse Control	Yes

## INCLUDES 1,000GB HARD DISK



## OPTIONAL 19" LCD MONITOR



## Available With WIDE SCREEN MONITOR

### KIT WITH 19" LCD MONITOR

Complete system all in one box including cameras, cables, DVR and even the monitor! Inbuilt 1Tb Hard disk. Ready to go! Saves time and money. See DVR500 for details.



Cables, Cameras, all included.

Description	Camera	Hard Disk	Code
8CH Kit with Monitor	4x Indoor 4x Outdoor	1000Gb	DVR502LCD
16CH Kit with Monitor	4x Indoor 12x Outdoor	2000Gb	DVR503LCD



Monitor from your smart phone! iPhone not included





## → DVR Systems

### DVR502 Continued...

#### PACKAGE INCLUDES

### Complete 8 Channel H.264 Digital Video Surveillance Kit with cameras and a 1,000GB Hard Disk

#### DVR

Advanced H.264 Video Compression Technology. Multiplex Operation. Long Recording Duration. Intelligent Video Motion Detection Recording. Remote Network Surveillance & Backup Functions. Easy to operate with remote or USB mouse. System Auto recovery after power loss.

#### 4 x 15 IR Day/Night Cameras

High Quality CCD Image sensor. 14 x IR LEDs. 480 TVL Resolution.

#### 4 x Indoor Dome Cameras

High Quality CCD Image sensor. 480 TVL Resolution.

- **1 x 8 Channel H.264 Stand Alone Digital Video Recorder With Network Functionality, Remote Access & 1000GB Hard Drive**
- Advanced H.264 video compression technology
- Multiplex operation
- Long recording duration
- Intelligent video motion detection recording
- Remote network surveillance & backup functions
- Easy to operate like a VCR with buttons for play, record, FF, RW, pause, search, etc
- System auto recovery after power loss (blackout)
- Supports manual / timer / motion / alarm / remote recording functions
- Watermark function ensures authentication of the recorded images \*
- Supports TCP/IP, PPPoE, DHCP and DDNS network connection
- The DVR502 DVR is compatible with the Eagle Eyes iPhone Application, which allows you to connect to your DVR via your iPhone for real-time footage viewing.
- **4 x Outdoor Cameras**
- High Quality CCD Image Sensor for Superior Picture Quality
- 14 x IR LEDs for Viewing in Total Darkness up to 10m
- 480 TVL Resolution
- Compact Size make it ideal for use indoors or out
- Built-in adjustable stand for wall or ceiling mount
- **4 x Indoor Cameras**
- High Quality CCD Image Sensor for Superior Picture Quality
- 480 TVL Resolution
- **8 x Camera Connection Cables**
- Combined DC Power and Video Leads Pre-terminated Allowing Simple Plug-in Connection (No Tools Required)
- 2 x 10m, 2x 20m, 4 x 30m Leads Supplied
- **2 x Switch Mode Low Voltage Power Supplies**
- 1 x 3Amp 12VDC Supply for Use with the Power Split Cable to Power All Cameras
- 1 x 2Amp 19VDC Power Supply for Use with the DVR Advanced Switch Mode Technology
- **4 x Highly Visible UV Resistant Window Warning Stickers**
- **1 x Monitor Connection Cable**
- Allows You to Connect the BNC Monitor Output from the DVR to the RCA Video Input on Your TV / VCR
- **1 x Network Cable (Optional Use)**
- Allows You to Connect the LAN Port on the DVR to Your PC or Network to Facilitate Remote Viewing or Backup Functions
- **1 x Power Split Cable**
- Allows You to Connect All 4 Cameras to 1 Power Supply



#### DVR502 EIGHT CAMERAS WITH DVR & 1TB DISK

Description	Camera	Hard Disk	Code
8x Camera & DVR Kit	4x Indoor 4x Outdoor	1000GB	DVR502

#### DVR503 SIXTEEN CHANNEL KIT WITH 16 CAMERAS & 2TB DISK

Description	Camera	Hard Disk	Code
16x Camera & DVR Kit	4x Indoor 12x Outdoor	2000GB	DVR503

#### KIT WITH 19" LCD MONITOR

Description	Camera	Hard Disk	Code
8CH Kit with Monitor	4x Indoor 4x Outdoor	1000Gb	DVR502LCD
16CH Kit with Monitor	4x Indoor 12x Outdoor	2000Gb	DVR503LCD



## → DVR Systems

### DUAL STREAMING H264 MULTIPLEX 4 & 8 CHANNEL CIF REAL-TIME NETWORK DVR

### Supports 3G-3.5G Mobile Phone / PDA Streaming Video

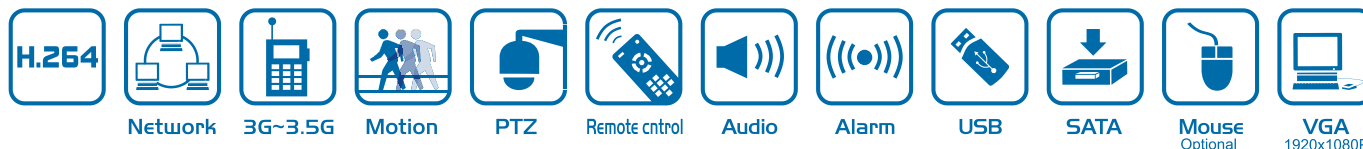
Symbian  
WindowsMedia  
iPhone / iPad  
Blackberry  
Android



- Features:
- H.264 Baseline – 4 recording video quality levels or user defined
- Multiplex 4/8/16CH H.264 DVR: live, recording, playback, backup
- Network access and control, client software or IE browser.
- Real time live display, 30(NTSC)/25(PAL)FPS for each channel
- NTSC/PAL software switch and channel Privacy Mask
- Supports one SATA Hard Disk Drive up to 2 Terra Byte (optional)
- USB 2.0 Backup with AVI, MPEG4 or H264 File Formats
- Audio 4CH In / 1CH Out(DVR180) or 8CH In / 1CH Out(DVR181)
- Alarm Sensor 4CH In / 1CH Out
- BNC (PAL) and VGA (HD) output, RS422 (PTZ Camera control),
- Remote control, mouse OSD Operation (USB mouse optional)
- Network capability with Static IP, PPPoE, DHCP, DDNS
- E-mail alert (Motion detect, Sensor activated, Video loss)
- Network neighbourhood file sharing for video transfer and backup
- Remote live view, backup, playback, PTZ control and menu setup
- Dual streaming (Network & 3G Resolutions)
- Individual channel bit rate frame rate setup for limiting bandwidth
- Individual schedule recording setup for each channel
- Multiple channels recording for Motion detect and Alarm triggered
- Client player(CMS), Mobile Players for 3G/3.5G mobile phone/PDA
- Symbian/Windows Mobile/iPhone/Blackberry/Android compatible



DVR	DVR180	DVR181	DVR184
Channel	4CH	8CH	16CH
Video	4CH In / 1CH Out, NTSC/PAL BNC	8CH In / 1CH Out, NTSC/PAL BNC	16CH In / 1CH Out, NTSC/PAL BNC
Audio	4CH In, 1CH Out	8CH Input, 1CH Output	16CH Input, 1CH Output
Recording Resolution	25/704x576 50/704x288 100/352x288	50/704x576 100/704x288 200/352x288	100/704x576, 200/704x288, 400/352x288
Recording Time	7-23 Days w/ 500GB Continuous		
Recording Mode	Continuous, Schedule, Alarm, Motion-Detect, Channel Schedule		
Display Resolution	PAL 704x576 Real Time Per Channel		
Compression	Video H.264 - Audio ADPCM		
Media	USB Flash Drive, External USB Hard Drive.		
Alarm Type	Motion, Sensor, Video Loss, Multiple channel recording for motion and alarm.		
Storage	Optional. Depends on model chosen. Requires SATA up to 2Tb each.		
Network	RJ45 Ethernet (PPPoE, DHCP, DDNS, Static IP)		
Output	VGA Monitor 1920x1080		
PTZ Control	RS485, RS422		
Remote Control	Full Function		
Mouse	Yes (Optional)		
Power	DC12V/3.5A (250VAC Adaptor Included)	DC12V/6A (AC Adaptor Included)	
Dimensions	315x224x52mm		436x340x55mm





## → DVR Systems

### DVR180 / DVR181 / DVR184 DUAL STREAMING H.264 MULTIPLEX 4CH / 8CH / 16CH

#### Support 3G ~ 3.5G Mobile Phone/PDA by Dual Streaming

Available in 4 or 8 or 16 Channel input digital video surveillance recording system with inbuilt H.264 video compression and Multiplex function. Live, recording, playback, backup, network access and control, frankly operation OSD, targeted to home or small business use.

Front panel controls complimented by a full-function hand remote control, plus also also USB ports for mouse to operate via the easy to navigate on screen display. With the user friendly OSD, you can set up quickly and operate all functions and features easily.

Features include different recording quality levels and FPS for disk space compromise, up to total 25fps(4CH @ D1), or 50fps(8CH @ D1). Schedule recording for each camera independently, multiple channels recording for motion and alarm, etc.

According to the requirements, you can make Common, Motion, Alarm or Motion/Alarm recording in the schedule recording setup.

Supports one internal fixed SATA HDD, up to 2TB(2000GB) capacity. Install your own hard disk or purchase with one ready installed.

You also can backup after recording through USB 2.0 port to USB flash disk, USB portable HDD, or external USB DVD Burner, etc.

File types are AVI, MPEG 4, or H264 format, easily playback on a majority of systems without need for an extra dedicated client player.

E-mail inform by Alarm, Motion detect, Video loss to notify users to view them remotely by Network/Internet PC/PDA/Mobile phone.

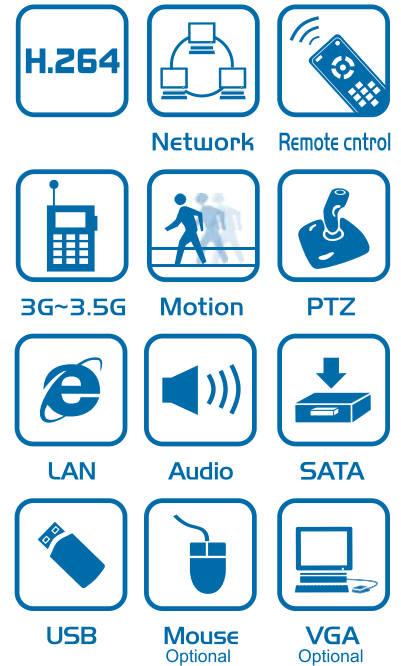
By default, the DVR uses recording streaming compatible for typical IE Browser viewer (or equivalents) and Mobile Phone/PDA streaming.

You can customize the frame rate and bite rate for individual channels in case of limited upload bandwidth or to suit your requirements.

Includes bonus specialised CMS software with control, setup and video playback or live view for Desktop PC & Laptop in Windows XP/Vista/7.

Also client control & player for 3G/3.5G mobile phone and PDA compatible with Symbian/Windows Mobile/iPhone/Blackberry/Android.

A quality and reliable product made in Taiwan.



Monitor NOT Included

#### 4 CHANNEL DVR180

- 100FPS(352x288)
- 50FPS(704x288)
- 25FPS(704x576)

Hard Disk	Code
No HDD	DVR180
SATA 500Gb	DVR180HD500
SATA 1000Gb	DVR180HD1TB
SATA 2000Gb	DVR180HD2TB

#### 8 CHANNEL DVR181

- 200FPS(352x288)
- 100FPS(704x288)
- 50FPS(704x576)

Hard Disk	Code
No HDD	DVR181
SATA 500Gb	DVR181HD500
SATA 1000Gb	DVR181HD1TB
SATA 2000Gb	DVR181HD2TB

#### 16 CHANNEL DVR184

- 400FPS(352x288)
- 200FPS(704x288)
- 100FPS(704x576)

Hard Disk	Code
No HDD	DVR184
SATA 500Gb	DVR184HD500
SATA 1000Gb	DVR184HD1TB
SATA 2000Gb	DVR184HD2TB



**FRIENDLY OPERATION**

Mouse  
Optional Extra

Hard Drive  
Optional



# 21 SECURITY SURVEILLANCE

21 SECURITY SURVEILLANCE

## → DVR Systems

### DVR182 / DVD183 DUAL STREAMING H.264 MULTIPLEX 8CH / 16CH WITH DVD-R

#### Support 3G ~ 3.5G Mobile Phone/PDA by Dual Streaming

8CH/16CH H.264 DVR with Multiplex function - live, recording, playback, backup, network access and control, frankly operation OSD, targeted to home or small business use.

Hand remote control and also USB ports for mouse to operate easily. Expandable up to 4 internal hard drives (for up to 8 Terra Byte data storage). Inbuilt DVD Recorder for backup and transfer.

User friendly OSD, you can set up quickly and easily. Features include different recording quality levels for disk space compromise, change the FPS, up to total 50fps(8CH @ D1), or 100fps(16CH @ D1).

Schedule recording for each camera independently, multiple channels recording for motion and alarm, etc.

According to the requirements, you can make Common, Motion, Alarm or Motion/Alarm recording in the schedule recording setup. Casing supports one to four internal fixed SATA HDD, up to 2TB(2000GB) capacity each.

DVR182 up to 2TB and DVR183 up to total 8TB. Includes one internal SATA DVD Burner, you also can backup after recording through USB 2.0 port to USB flash disk, USB portable HDD, or external DVD Burner with AVI, MPEG 4, or H264 format, compatible playback on most systems without a dedicated client player.

E-mail inform by Alarm, Motion detect, Video loss to notify users to view them remotely by PC/PDA/Mobile phone. By default, DVR use recording streaming for IE Browser viewer and mobile streaming, you can customize the frame rate and bite rate for individual channel in case of limited upload bandwidth.

Includes bonus CMS software with client player for PC/Laptop in Windows XP/Vista/7 and also client control& players for 3G/3.5G mobile phone/PDA (Symbian/Windows Mobile/iPhone/Blackberry/Android).

#### DVR182 8 CHANNEL WITH DVR-R/RW

- 200FPS(352x288)
- 100FPS(704x288)
- 50FPS(704x576)

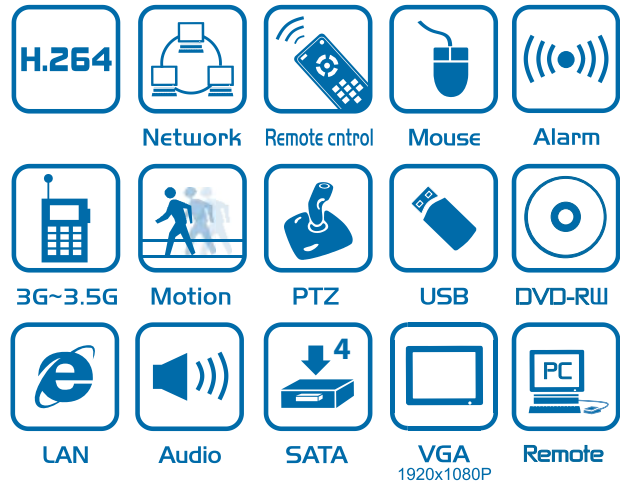
Hard Disk	Code
No HDD supplied.	DVR182
SATA HDD 500Gb	DVR182HD500
SATA HDD 1000Gb	DVR182HD1TB
SATA HDD 2000Gb	DVR182HD2TB

#### DVR183 16 CHANNEL WITH DVD-R/RW

- 400FPS(352x288)
- 200FPS(704x288)
- 100FPS(704x576)

Includes DVD Recorder.

Hard Disk	Code
No HDD supplied.	DVR183
SATA HDD 500Gb	DVR183HD500
SATA HDD 1000Gb	DVR183HD1TB
SATA HDD 2000Gb	DVR183HD2TB



Monitor NOT Included



Mouse Optional Extra

Hard Drive Optional



## FRIENDLY OPERATION





→ **DVR Systems**

## DUAL STREAMING H.264 MULTIPLEX 8 & 16 CHANNEL CIF REAL-TIME NETWORK DVR

Supports 3G-3.5G  
Mobile Phone / PDA  
Streaming Video

Symbian  
WindowsMedia  
iPhone / iPad  
Blackberry  
Android



Phone NOT Included

- **Features:**
- H.264 Baseline – 4 recording video quality levels or user defined
- Multiplex 8CH / 16CH H.264 DVR: live, recording, playback, backup
- Network access and control, client software or IE browser.
- Real time live display, 25 FPS PAL 704x576 for each channel
- NTSC / PAL software switch and channel Privacy Mask
- Supports one to four SATA Hard Disk Drives up to 2 Terra Byte each
- DVD Recorder included for backup and file transfers
- USB 2.0 Backup with AVI, MPEG4 or H264 File Formats
- Audio 8CH In / 1CH Out(DVR182) or 16CH In / 1CH Out(DVR183)
- Alarm Sensor 8CH / 16CH In, 4CH Out programmable
- BNC (PAL) and VGA (HD) output, RS422 (PTZ Camera control)
- Remote control, mouse OSD Operation (USB mouse optional)
- Network capability with Static IP, PPPoE, DHCP, DDNS
- E-mail alert (sent on Motion detect, Sensor activated, Video loss)
- Network neighbourhood file sharing for video transfer and backup
- Remote live view, backup, playback, PTZ control and menu setup
- Dual streaming (Network & 3G Resolutions) adjustable bandwidth
- Individual channel bit rate frame rate setup for limiting bandwidth
- Individual schedule recording setup for each camera video channel
- Multiple channels recording for Motion detect and Alarm triggered
- Client player(CMS), Mobile Players for 3G/3.5G mobile phone/PDA
- Symbian/Windows Mobile/iPhone/Blackberry/Android compatible



16CH version DVR183 shown with DVD-R



Channel	8CH	16CH
Video	NTSC/PAL BNC 8CH In - 1CH Out	NTSC/PAL BNC 16CH In - 1CH Out
Audio	8CH Input, 1CH Output	16CH In, 1CH Out
Recording Resolution	50/704x576 100/704x288 200/352x288	100/704x576 200/704x288 400/352x288
Display Resolution	PAL 704x576 Real Time Per Channel	
Compression	Video H.264 - Audio ADPCM	
Recording Time	7-23 Days w/ 500GB Continuous	
Recording Mode	Continuous, Schedule, Alarm, Motion-Detect, ChannelSchedule	
Hard Drive	2x SATA Drives or 1x DVD-R + 1x SATA Drive	1x DVD-R + 3x SATA Drive
Media	DVD Recorder Inbuilt. USB Flash Drive. External USB Hard Drive.	
Alarm Type	Motion, Sensor, Video Loss, Multiple channel recording for motion and alarm.	
Network	RJ45 Ethernet (PPPoE, DHCP, DDNS, Static IP)	
Output	VGA Monitor 1920x1080	
PTZ Control	RS485, RS422	
Remote Control	Full Function	
Mouse	Yes (Optional)	
Power	DC12V/3.5A (AC Adaptor Included)	DC12V/6A (AC Adaptor Included)
Dimensions	436x339x55mm	430x330x88mm
Code	DVR182	DVR183



# 21 SECURITY SURVEILLANCE

21 SECURITY SURVEILLANCE

## → DVR Systems

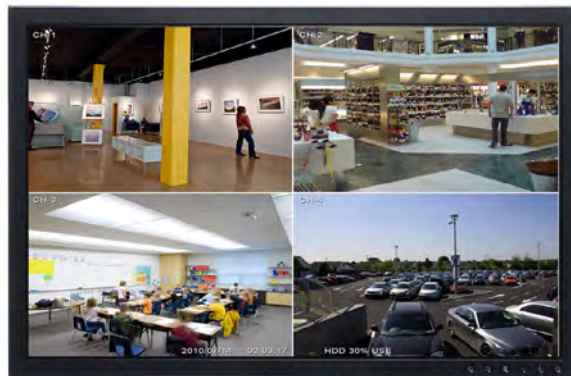
### DVR190 SECUREVIEW QUADPLEX WITH DVD-R

Securview 8 / 16 Channel Standalone Digital Video Recorder H.264

Introducing the Securview DVR190 Series of professional standalone Digital Video Recorders. The DVRs feature state-of-the-art H.264 video compression, mobile surveillance, multiple backup methods, multiple detection modes as well as a number of other features which make the DVR190 series great value for money. The DVRs are ideal for mid to large level surveillance applications, and their user-friendly GUI, front panel operation and display plus intelligent CMS software make them an accessible and affordable DVR solution.

Specifications:

Video Input	Composite 8/16 x BNC Camera Inputs
Video Output	1x BNC (1Vp-p, 75Ohm) & HD Video
Video Compression	H.264 Compression Adjustable
Max Recording Rate	
CIF (352x288px)	400fps(16ch), 200fps(8ch).
Half D1 (720x288px)	200fps(16ch), 100fps(8ch).
Full D1 (720x576px)	100fps(16ch), 50fps(8ch).
Audio	4 Channel Input, 1 Channel out all models
Triplex	Record / Playback / Network
Recording Mode	Schedule / Alarm / Motion / Emergency
Playback Speed	x1, x2, x4, x8, x10
Search Mode	Calendar, Sensor, Motion, Pre/Post Alarm
Motion Detection	Yes (22x15)
Alarm Trigger	4 Channel in programmable, 1 Channel out
Ethernet	10 / 100 Mbps Ethernet (RJ-45)
Network	Static or Dynamic IP (DHCP/DDNS)
Hard Drive Bays	SATA HDD (Up to 2)
Backup	USB, HDD, Network, DVD for 191 & 192
Operating System	Embedded Linux
Power	12VDC, 6A / Max. 60W (16CH)
Access	Multi-user account support up to 4 users at a time
Mobile Surveillance	Smart phone CMS Software app store download iPhone, Blackberry, Android & Windows Mobile.



### DVR191 - 8 CHANNEL

Hard Disk	Code
No HDD	DVR191
1000GB	DVR191HD1TB
2000GB	DVR191HD2TB

Larger Capacities are available. Please Enquire.



### DVR192 - 16 CHANNEL

Hard Disk	Code
No HDD	DVR192
1000GB	DVR192HD1TB
2000GB	DVR192HD2TB

Larger Capacities are available. Please Enquire.



# SECURVIEW™ PROFESSIONAL GRADE DVR

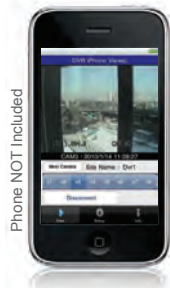


## → DVR Systems

# DUAL STREAMING H.264 MULTIPLEX 8 or 16 CHANNEL CIF REAL-TIME NETWORK DVR

## Supports 3G-3.5G Mobile Phone / PDA Streaming Video

Symbian  
WindowsMedia  
iPhone / iPad  
Blackberry  
Android



- H.264 Compression with adjustable quality levels
- Real time recording per channel at CIF/D1 resolution
- Multiplex performance for Multi-User Multi-Tasking
- Dual Stream Record and Network FPS (Adjustable)
- ATM and POS text insertion for shop fronts via USB
- User Friendly GUI: Flexible, Easy and Convenient control
- Advanced CMS Software: Convenient and Versatile Software
- S.M.A.R.T : Self Monitoring Analysis and Reporting Technology
- Professional DVR available in 8 Channel or 16 Channel
- Up to 2 Hard Drives for a maximum of 4TB storage capacity
- Multiple Backup Options including Built-In DVR Burner option
- USB for external backup storage and file transfer, etc.
- Ethernet connectivity for control, view and file extension
- High-Definition Monitor Output. Spot Monitor Programmable
- Mobile View on 3G Device with included CMS software
- MS Windows Mobile 6.1 or 6.5 / Android / iPhone
- Desktop chassis or Rack Mountable\*
- 4x Alarm trigger inputs programmable with 1 Output
- PTZ RS232 In/Out control bus\*
- Spot Monitor output

\*Features depend on model



Channel	8CH	16CH
CIF	200FPS	400 FPS
D1/2	100FPS	200 FPS
D1	50 FPS	100 FPS
Video Output	Composite Video BNC I/O & VGA Out	
Display Resolution	BNC & VGA Monitor. Programmable Spot Monitor with cycle.	
Recording Mode	D1 each camera. HD Monitor output VGA (XGA, SXGA, WSXGA, HD)	
Compression	Continuous, Schedule, Alarm, Motion, Emergency	
Hard Drive	Video H.264 - Audio ADPCM	
Media	2x Bays SATA	
Audio	DVD Recorder Inbuilt. External USB Hard Drive, USB Flash Drive.	
Alarm Type	4x RCA In / 1x RCA Out	
Network	Alarm In (x4), Motion detect (programmable zones), Video Loss.	
PTZ Control	RJ45 Ethernet (PPPoE, DHCP, DDNS, Static IP)	
Remote Control	RS485 / RS422	
Mouse	Full Function	
Power	USB (Optional)	
Dimensions	12Vdc 6A (240Vac Adaptor Included)	
Code	428x420x88mm	
	DVR191	DVR192





## → DVR Systems

### DVR173 PENTAPLEX 16CH H.264 WITH DVD-RW

#### FULL D1 REAL-TIME RECORDING & BUILT-IN DVD RECORDER

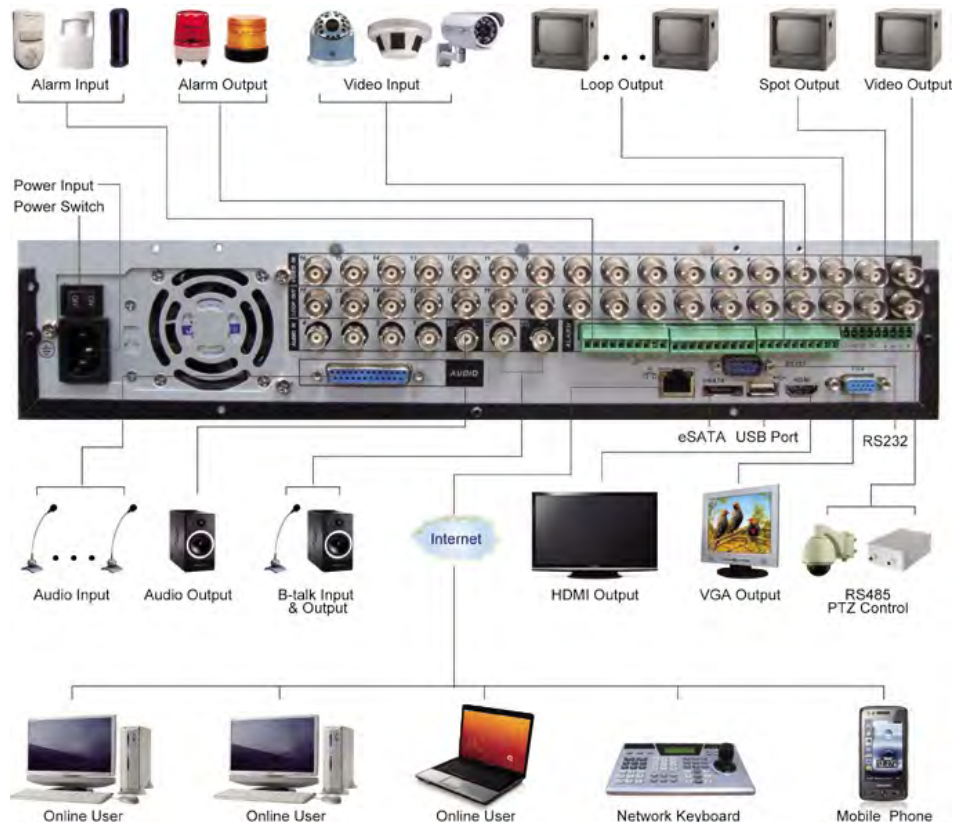
Professional DVR unit with an advanced performance feature set. Pentaplex mode DVR unit: 5 simultaneous facilities. Recording, playback, remote viewing, backup, live viewing, seamlessly all at the same time! Dedicated H.264 compression chip set for low disk usage and high image detail. Supports dual encoding of streams (flexible for network transmission including mobile devices, etc.) Support SATA Hard Disks (optional), up to 8 disks per unit. 1x eSATA connector at rear. Connect VGA [HD15] or HDMI Monitor for High Definition wide screen display. Multiple Backup options: Built-In burner suits DVD-RW or CD-RW disks. USB ports for transferring files to USB Flash memory sticks, external drives, etc. USB Mouse for convenient OSD pointer control. Intuitive & comprehensive front panel controls with jogger wheel, etc. Front panel indication of each camera zone recording confirmation. RS485 port for Pan / Tilt / Zoom [PTZ] control of suitable cameras. Viewable Channel selectable by single touch button during playback. Real time Remote view through IE browser or free bundle PSS software. Record manually, alarm, schedule, or 396 grid motion detection 4CH or 16CH video inputs, all with LOOP-THRU. Multiple video outputs (BNC) for matrix view and spot monitors. 4CH / 16CH audio inputs. Back-Talk Mic input. 1CH Audio output (BNC). 4CH / 16CH alarm input and 6CH alarm output (Hard wired). An entirely professional unit in performance, features, usability and reliability advancing security in surveillance to the next level. SATA hard disks are required.

- Full D1 resolution recording
- Dual streaming supported
- Maximum PAL 704x576px (400fps)
- Adjustable image record quality
- Adjustable per-camera settings
- Adjustable monitor out settings
- Adjustable TV colour, picture tone
- Adjust camera colour to time period
- Tour display option (cycle)
- Camera title, time, MD, etc.
- Privacy masking programmable
- Powerful network software
- IP Addressable networked
- Built-in web & ASP server
- LAN or WAN (web) control
- Infra-red remote control
- Mouse pointer OSD click
- Front panel direct button
- Twist FF/REW + jogger wheel
- Inbuilt DVD-RW Recorder
- H.264 Video Compression
- 240Vac direct powered
- 2U = 440x430x89mm

#### DVR173 16 CHANNEL

Hard Disk	Code
No HDD	DVR173
1000Gb	DVR173HD1TB
2000Gb	DVR173HD2TB
4000Gb	DVR173HD4TB

Larger Capacities are available. Please Enquire.



21 SECURITY SURVEILLANCE



→ **DVR Systems**

## DUAL STREAMING H.264 MULTIPLEX 16 CHANNEL D1 REAL-TIME NETWORK DVR

Supports 3G-3.5G  
Mobile Phone / PDA  
Streaming Video

Symbian  
WindowsMedia  
iPhone / iPad  
Blackberry  
Android



- **Features:**
- Full D1 Real-Time Recording on all channels at full FPS
- Pentaplex for multitasking to multiuser and applications simultaneously
- Recording, playback, remote viewing, backup, live viewing, etc.
- H.264 dedicated compression chip for excellent image to storage ratio
- Dual encoding per channel to support Pentaplex
- Record high resolution while streaming to low res mobile phone
- CMS Software included for remote PC and Mobile Monitors
- Comprehensive front panel control, remote control and mouse
- Advanced embedded software for professional GUI control
- 4CH or 16CH video input with feed thru terminals all BNC
- Composite video outputs BNC: Loop, Matrix, Spot.
- High Definition Video Output VGA and HDMI monitor connections
- 4CH audio input and 1CH audio output. BNC Connections
- 4CH or 16CH alarm inputs and 6CH alarm outputs
- PTZ RS485 Control bus. 3D location function supported.
- Supports up to 8 SATA Hard Disks for virtually unlimited storage
- Backup to DVD-R/W, CD-R/W, USB memory flash drive
- Remote IP Browser view (no software required) and
- Bundled CMS software with multi-unit control up to 64CH

The icons represent various features and capabilities of the DVR system, organized into three rows:

- Row 1 (Control/Interface):** Front panel, IR remote control, USB mouse, Network Keyboard, GUI, Remoteview (Multi-channel software), Remoteview (IE browser), CenterMag 200 (Center control software), Application (Player Play on PC), Application (AVI converter).
- Row 2 (Video/Audio/Operation):** H.264 Compression, 4CH Video Input, 4CH Audio Input, 2CH Video Output, VGA Video Output, Operation (Remote View Recording replay), Alarm (16CH Input), Alarm (6CH Output), 3.5" HDD (Up to 8 pcs w/o DVD-RW), Network (Internet supported), Upgrade (Firmware Network), Upgrade (Firmware RS232).
- Row 3 (Audio/Display/Record):** Audio Output, D1 Resolution (720x480(N)/704x576(P) Display), D1 Resolution (720x480(N)/704x576(P) Record), Frame rate (up to 30-N/25-P) Real-time, Playback channel, P/T/Z, Bit rate, Record (D1 Resolution 720x480(N)/704x576(P)), Frame rate (up to 30-N/25-P) Real-time, Backup (Network Download), Backup (USB device), Backup (CD-RW / DVD-RW), Backup (HDD to PC copy).



Channel	16CH
Video	NTSC/PAL BNC Inputs with BNC Throughputs
Audio	4CH/16CH BNC Inputs, Bidirectional Talk Mic and Output BNC
Display Resolution	720P High Resolution to BNC, VGA and HDMI
Recording Resolution	Full D1 (PAL 704x576) @ 25FPS All Channels
Compression	Video H.264 - Audio ADPCM
Hard Drive	8x Bays SATA
Media	DVD Recorder Inbuilt. External SATA or USB Hard Drive, USB Flash.
Alarm Type	4CH/16CH Inputs, 6CH Out. Trigger Record, tour, alarm, email, video focus, popup, etc.
Network	RJ45 Ethernet (TCP/IP, eMail, FTP, PPPoE, DHCP, DDNS, Static IP, IP filter)
PTZ Control	RS485 / RS422, with 3D location function supported
Remote Control	Full Function
Mouse	Included
Power	220Vac 25W (without HDD)
Dimensions	2U = 440x460x89mm
Code	DVR173





## → DVR Systems

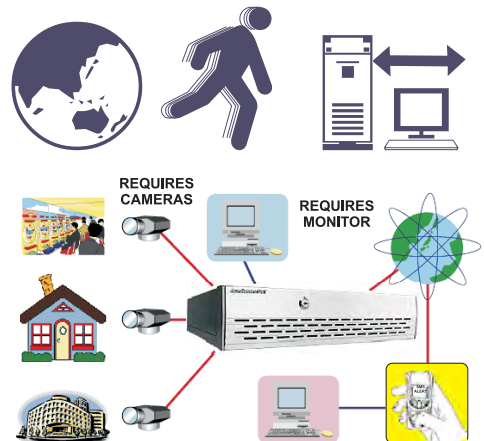
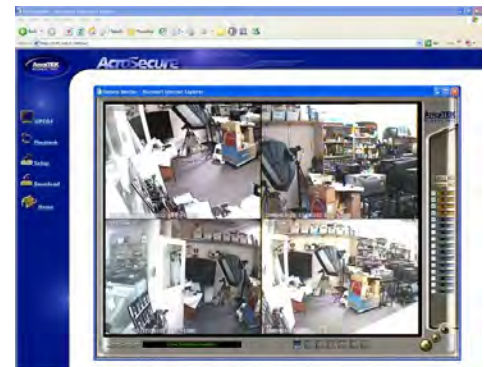
### AcroSecure HIGH-SPEED PROFESSIONAL DVR 8-CHANNEL

#### HIGH FRAME-RATE REAL TIME RECORDER PRO-INSTALL

The AcroSecure ATN series is a professional high performance digital video recorder system. In addition to integration of AnexTEK's core technological competencies in Linux-based platform development and MPEG-4 compression algorithms, which offer stability and large storage capacity, advanced features also include a higher display speed at 480 frames per second (fps) and a greater recording rate, providing efficient and stable surveillance. The AcroSecure ATN also integrates remote access capabilities for live viewing and downloading via the network, alarm notification via e-mail, FTP or SMS (short message service), as well as system diagnostics for video loss and HDD storage display for remaining storage capacity. The ability to record audio on one channel enables the system to not only capture video but also sound from the recorded vicinity, which provides for comprehensive surveillance.

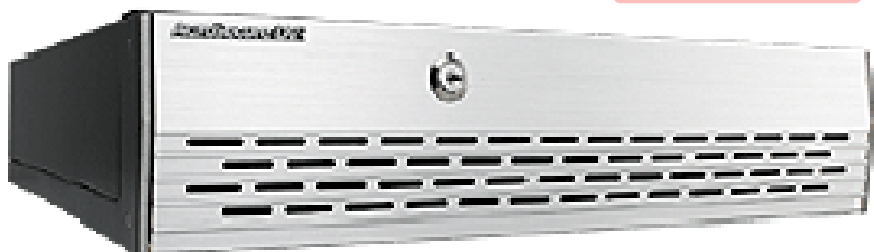
#### • Feature

- Eight channel Digital Video Recorder Professional Security Grade
- Embedded Linux operating system offers exceptional performance and stability
- Real-time surveillance (8 cameras at 480 frames per second)
- Highly integrated features including quad, multiplexer, digital video recording, remote surveillance and display, all in one
- High compression rate through MPEG-4 technology
- Easy to install, easy to operate and intuitive graphical user interface
- Built-in removable hard drive for data storage
- Simultaneous recording, playback and remote monitoring
- Data search by date, time and camera with scroll bar navigation
- Multiple language interfaces support ed (English, French, German, Japanese, Polish, Portuguese, Spanish, Traditional Chinese)
- Advanced system management features for each camera, including adjustment of recording speed, image quality and unique name assignments
- Multiple motion detection settings with 10 different sensitivity levels per camera
- Pre-alarm and post-alarm recording
- Support sequential live display
- 24-7 scheduling lets administrators pre-program scheduled recording for each camera
- Supports major speed dome cameras, allowing administrators to control each speed dome camera from a local or remote site
- Alarm notification through E-mail, GSM Short Message Service (SMS) , FTP and relay output
- Easy back-up via USB CD-RW, FDD or internal CD-RW (optional)
- Automatic resumption of operation after power recovery
- Digital watermarking to detect whether the recorded images have been tampered with
- Remote management via a Web browser for live monitoring, history playback, download , PTZ camera control and system set-up;
- No extra client software installation required
- Account management offering surveillance authorisation for different users at different user levels
- Supports a single channel of audio recording



Now Available with  
Genuine Seagate  
Surveillance HDD

Hard Drive	Code
No HDD	DVR208
1000Gb	DVR208HD1TB
2000Gb	DVR208HD2TB



21 SECURITY SURVEILLANCE

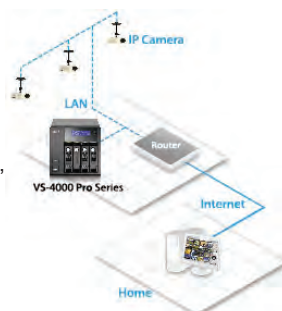


## → NVR Systems

### NVR PROFESSIONAL STAND-ALONE IP CAMERA SURVEILLANCE SYSTEM

#### NETWORK VIDEO RECORDERS WITH HOT-SWAPPABLE BAYS [HARD DISKS REQUIRED]

The VioStor Pro NVR series is a stand-alone, multi-bay hard-disk network surveillance system for security applications in small to medium sized companies (SMB) and home or office (SOHO). The Linux-based system supports PC-less quick configuration, monitoring and recording of IP cameras over an IP network, and video playback by connecting a computer monitor to the built-in VGA connector. Control is by a USB keyboard and mouse. NVR supports multi-channel H.264, MPEG-4, M-JPEG, MxPEG, recording and control compatibility for most popular IP cameras. Powered by dual-core Intel® Atom™ processor and 1GB memory, the VioStor NVR is capable of megapixel recording (up to 8-megapixel) from multiple IP cameras or video servers (total camera count is "Channel"). The VioStor NVR supports diversified recording features, such as scheduled recording, alarm recording by multiple alarm events, alarm recording schedule, and pre-alarm and post-alarm recordings. Advanced event management is provided for the administrator to define the handling options when events or alarms are triggered. The VioStor NVR also offers enhanced video search by intelligent video analytics (IVA), such as motion detection, foreign object, missing object, out of focus, and camera occlusion. Moreover, the NVR can be easily set up in 6 simple steps by the web-based GUI using the IE browser.



#### RAID & DATA PROTECTION

Other class-leading server features include advanced data protection by RAID, Online RAID Capacity Expansion, Online RAID Level Migration, dual Giga LAN ports for network failover, load-balancing, and multi-IP setting, etc. Its hot-swap design allows a failed (or full) drive of a RAID disk volume to be replaced by hot swapping without turning off the server. VS2004PRO & VS2008PRO has RAID 1 while VS4016PRO & VS6020PRO offer RAID 0, 1, 5, 6, 5+hot spare, 6, single, and JBOD disk configurations.

- Real-time monitoring and recording (video/audio) from multiple IP cameras (4/8/16/20 channels)
- High quality H.264, MPEG-4, M-JPEG, and MxPEG recording (depending on the camera models)
- Complete recording features
- Megapixel recording (up to 4-megapixel)
- PC-less network surveillance by HD local display
- Multi-server monitoring (up to 128 channels)
- Dual display mode
- Video search by date and time, timeline, and event
- Intelligent video analytics (IVA)
- Multi-view playback from multiple NVR servers
- Digital watermarking
- Advanced event management
- Real-time SMS and email alert
- Live monitoring on Windows PDA phone by VMobile
- Trouble-free installation
- Linux-embedded, highly reliable standalone NVR
- Advanced RAID with hot-swappable hard drives design
- Online RAID capacity expansion and online RAID level migration
- UPS Support for 24/7 service
- Intelligent auto power on after power recovery
- Energy-saving design (only 25W in operation)



Channel	HDD Bays	Hard Disk	max	Size	Code
4CH	2x Drives	Not Inc.	6TB	150x100x215mm	VS-2004PRO
8CH	2x Drives	Not Inc.	6TB	150x100x215mm	VS-2008PRO
12CH	2x Drives	Not Inc.	6TB	150x100x215mm	VS-2012PRO
16CH	4x Drives	Not Inc.	12TB	175x180x235mm	VS-4016PRO
16CH	4x Drives	Not Inc.	12TB	1U 44x439x500mm	VS-4016U-RP
20CH	6x Drives	Not Inc.	18TB	175x257x235mm	VS-6020PRO
24CH	8x Drives	Not Inc.	24TB	2U 88x480x530mm	VS-8024U-RP
32CH	8x Drives	Not Inc.	24TB	2U 88x480x530mm	VS-8032U-RP
40CH	8x Drives	Not Inc.	24TB	300x200x270mm	VS-8040
40CH	8x Drives	Not Inc.	24TB	2U 88x480x530mm	VS-8040U-RP



**HARD DISKS NOT SUPPLIED  
REQUIRES SATA**

Please contact us for pricing.




#### Power Consumption

QNAP VS-6020 Pro NVR Write/Read  
PC-based NVR solution Write/Read



NOTE: Systems do NOT come with hard disk drives. Available separately from WES. SATA type disk drives required. Please contact us for special pricing including installation. Remember to indicate what type of RAID configuration if required, otherwise JBOD is default. Includes operating system software installed. Contact us for details. <http://www.qnap.com>



## NVR Systems

### 4-CH NETWORK VIDEO RECORDER LEVEL1

#### ENTRY LEVEL IP CAMERA STATION

Easy to install and use, the LevelOne NVR-0104 is an entry Network Video Recorder for home, retailer store and small office applications. The system is compatible with many brands of IP cameras, for a full feature set it is recommended you use with Level1 range of FCS Cameras. Just plug the NVR-0104 into your LAN connected switch or router and with a few clicks, it will search and configure each connected IP cameras, no more extra work needed. LevelOne NVR-0104 can connect up to 4 IP cameras. via the local area network or over the internet simultaneously.

Megapixel and Internet viewing via 3G mobile with MPEG-4/MJPEG/H.264 codec compression, it provides up to megapixel resolution. users can access the live view and playback functions over the internet or via the 3G mobile phone (iPhone/ Blackberry/WinMobile 6.5/ Symbian S60), an attractive feature for shop and business owners that need to keep an eye on important assets while they're away.

E-Map function for Live Street Monitor. User might utilize the Google Map or upload his floor plan to the LevelOne NVR-0104. Just few steps of drag-and-drop operation, user could use the camera icons for denoting the location of the IP cameras. In case of some IP camera triggered by an event, a live view window will popup right beside the corresponding camera icon for alerting the user that there is something unusual in front of that camera. With this function, user can quickly make a response to the intruder or accident.

Free bundled NVR management Software can support to management up to 16 NVR devices, it can also support mixed NVR type (example 4/8/16-CH series), so the NVR management software is able to supports up to 256 IP network cameras (max.).

- Two 3.5 inch disc slots(SATA I or II, up to 2x 1500GB)
- Gigabit Ethernet speeds(1000Mbps)
- Manage up to 4 Network Cameras
- Compression: MJPEG/MPEG-4 Part 2/H.264
- Supports PTZ/Preset Point/Preset Sequence
- Motion Detect Event Display on E-Map/Google Map
- Supports Mobile Viewing and 2-Way Audio
- Display Mode: Live View/Playback/Full Screen
- Resolution: MegaPixel/FD1/CIF/QCIF
- Export Playback Videos to AVI
- Multiple Language support
- Free Bundled NVR management Software to manage up to 16 NVR devices



Channel	HDD Bays	Hard Disk	max	Size	Code
4CH	2x Drives	Not Inc.	1.5TB x2	220x125x75mm	NVR-0104

### PROFESSIONAL NETWORK VIDEO RECORDERS LEVEL1

#### IP CAMERA STATIONS 4/8/16 CHANNEL

Easy to install and use, the LevelOne NVR is a high performance Network Video Recorder for achieving a reliable and cost-effective surveillance system for IP network cameras. It enables live view recording and playback for up to 4/8/16 IP network cameras. Enables system access via the local area network or over the internet for multiple user control, live viewing and playback simultaneously.

The system is compatible with many brands of IP cameras, for a full feature set it is recommended you use with Level1 range of FCS Cameras. Just plug Level1 NVR into your LAN connected switch router and with just a few clicks, it will search and configure each connected IP camera. With built-in IP based device, it offers a complete recording solution that directly connects to your network, such as real-time monitoring, video recording and playback. It is a powerful solution that is well suited to small scale applications such as retail, office or home surveillance systems.

Internet viewing with high-quality MPEG-4/MJPEG/H.264 codec compression, provides up to megapixel resolution. It will always give the same and consistent image quality as the original image form the IP camera for real-time viewing of video. And most importantly, users can access the live view and playback functions over the internet. An attractive feature for shop and business owners that need to keep an eye on important assets while they're away.

Free bundled NVR management software can support up to 16 NVR devices, it can also support mixed NVR type (example 4/8/16-CH), so the NVR management software is able to support up to 256 IP network cameras. A LevelOne professional grade surveillance distribution solution.

- Two 3.5 inch Disk Slot (SATA I or SATA II)
- Gigabit Ethernet (1000 Mbps) speeds
- Compression: MJPEG/MPEG-4 Part 2/H.264
- Supports PTZ/Preset Point/Preset Sequence
- Motion Detected Event Display on E-Map
- Display Mode: Live View/Playback/Full Screen
- Resolution: HD/MegaPixel/FD1/CIF/QCIF
- Export Playback Videos to AVI
- Supports schedule recordings and 2-way Audio
- Supports External UPS and DI/DO.
- Smart Camera Search and Live image view
- Free Bundled NVR management Software to manage up to 16 NVR devices



Channel	HDD Bays	Hard Disk	max	Size	Code
4CH	2x Drives	Not Inc.	2x 2TB	243x218x72mm	NVR-0204
8CH	2x Drives	Not Inc.	2x 2TB	243x218x72mm	NVR-0208
16CH	2x Drives	Not Inc.	2x 2TB	243x218x72mm	NVR-0216



IP Cameras Are Available. See IP Camera Pages...





## ↓ GeoVision

### GeoVision NVR Software for Analogue and IP Camera Recording

**GV-NVR Software Supplied Free with GeoVision IP Cameras and DVR Cards.**

Comprehensive 32 Channel Video Recording Software supplied Free to use with GeoVision IP Cameras and GeoVision DVR PC Cards. Code GV-NVR Accepts up to 32 cameras and is compatible with other brands of IP Cameras.

NOTE: A license is required for each Non-GeoVision IP Camera used with this software, so to use other brand IP Cameras, see the list below. Records video and audio data over TCP/IP networks and/or Analogue Video via GeoVision PC Cards. With up to 32 channels, this software offers the same functions as a full GeoVision Surveillance System. From monitoring features to video analytics as well as integration with LPR, POS/ATM and Access Control systems, it stands as one of the most comprehensive IP surveillance software systems in the security market.



License	Code
1	NR001-000
2	NR002-000
4	NR004-000
6	NR006-000
8	NR008-000
10	NR010-000
12	NR012-000
16	NR016-000
18	NR018-000
20	NR020-000
22	NR022-000
24	NR024-000
26	NR026-000
28	NR028-000
30	NR030-000
32	NR032-000



**Code: GV-NVR**  
**Cost: FREE**  
 Suits Up To 32CH of GeoVision IP Cameras  
 Other Brand IP Cameras Require Licenses for each



Windows 7 & XP  
32/64Bit Compatible

[http://www.geovision.com.tw/english/Prod\\_GVNVRV85\\_intro.asp](http://www.geovision.com.tw/english/Prod_GVNVRV85_intro.asp)

## ↓ NVR

### Hybrid Analogue & IP Recording System

Camera	HDD Bays	Code
16	4	DVR-800B-16-4
16	8	DVR-800B-16-8
16	20	DVR-800B-16-20
16	4	DVR-900A-16-4
16	8	DVR-900A-16-8
16	20	DVR-900A-16-20
32	4	DVR-900A-32-4
32	8	DVR-900A-32-8
32	20	DVR-900A-32-20
8	4	DVR-900A-8-4
8	8	DVR-900A-8-8
8	20	DVR-900A-8-20
12	4	DVR-1120-12-4
12	8	DVR-1120-12-8
12	20	DVR-1120-12-20
16	4	DVR-1120-16-4
16	8	DVR-1120-16-8
16	20	DVR-1120-16-20
32	4	DVR-1120-32-4
32	8	DVR-1120-32-8
8	20	DVR-1120-8-20
8	4	DVR-1120-8-4
8	8	DVR-1120-8-8
32	20	DVR-1120X2-32-20
16	4	DVR-1240-16-4
16	8	DVR-1240-16-8
16	20	DVR-1240-16-20
32	4	DVR-1240-32-4
32	8	DVR-1240-32-8
32	20	DVR-1240-32-20
8	4	DVR-1240-8-4
8	8	DVR-1240-8-8
8	20	DVR-1240-8-20
16	4	DVR-1480-16-4
16	8	DVR-1480-16-8
16	20	DVR-1480-16-20
32	4	DVR-1480-32-4
32	8	DVR-1480-32-8
32	20	DVR-1480X2-32-20
8	4	DVR-4008-8-4
8	8	DVR-4008-8-8
8	20	DVR-4008-8-20
16	4	DVR-4016-16-4
16	8	DVR-4016-16-8
16	20	DVR-4016-16-20

GV-Hot-Swap Recording Server System is a video streaming server supported by massive data storage capacity and designed for large-scale video surveillance deployments.



4-Bay Model

Specifications: see GeoVisions range of GV DVR Cards.



8-Bay Model

“Camera” indicates Analogue Camera Inputs compatible with any brand of Analogue camera. Software is 32CH total for extra GeoVision IP Cameras to be connected. Other brand IP Cameras require a License.



Hard disks are not supplied and are an available extra.

### IP Recording System

HDD Bays	License	Code
4	Nil	GV-32CH-4
4	4	NR004-4
4	6	NR006-4
4	8	NR008-4
4	10	NR010-4
4	12	NR012-4
4	16	NR016-4
4	18	NR018-4
4	20	NR020-4
4	22	NR022-4
4	24	NR024-4
4	26	NR026-4
4	28	NR028-4
4	30	NR030-4
4	32	NR032-4
8	Nil	GV-32CH-8
8	4	NR004-8
8	6	NR006-8
8	8	NR008-8
8	10	NR010-8
8	12	NR012-8
8	16	NR016-8
8	18	NR018-8
8	20	NR020-8
8	22	NR022-8
8	24	NR024-8
8	26	NR026-8
8	28	NR028-8
8	30	NR030-8
8	32	NR032-8
20	Nil	GV-32CH-20
20	16	NR016-20
20	18	NR018-20
20	20	NR020-20
20	22	NR022-20
20	24	NR024-20
20	26	NR026-20
20	28	NR028-20
20	30	NR030-20
20	32	NR032-20
<b>GeoVision Only [No License]</b>		
HDD Bays	License	Code
4	Nil	GV-32CH-4
8	Nil	GV-32CH-8
20	Nil	GV-32CH-20



4-Bay Model

GV-Hot-Swap Recording Server System is a video streaming server supported by massive data storage capacity and designed for large-scale video surveillance deployments.



8-Bay Model

Software is 32CH total for GeoVision IP Cameras to be connected. For each IP camera that is NOT a GeoVision, a “License” is required.



Hard disks are not supplied and are an available extra.

Up to 32 GeoVision Cameras can be connected to any unit. Suits GeoVision IP cameras only.



## ↓ IP Cameras

### IP Speed Dome

Description	Code
D1 CCD 18x Zoom module, WDR Indoor D/N	GV-SD010
D1 CCD 18x Zoom, WDR Outdoor IP66 D/N	GV-SD010-S
Sony 18x Zoom module, WDR Indoor D/N	GV-SD010-18X
Sony 18x Zoom module, WDR Outdoor IP66 D/N	GV-SD010-S18X
Sony 36x Zoom module, WDR Indoor D/N	GV-SD010-36X
Sony 36x Zoom module, WDR Outdoor IP66 D/N	GV-SD010-S36X
D1 CCD 18x Zoom, Video Stabilisation Pendant	GV-SD022
D1 CCD 18x Zoom, Video Stabilisation IP66 Arctic	GV-SD022-S
2MP 18x Zoom, WDR Pendant D/N	GV-SD200
2MP 18x Zoom, WDR Outdoor D/N IP66 Arctic	GV-SD200-S
2MP 20x Zoom, WDR Pendant D/N	GV-SD220
2MP 20x Zoom, WDR Outdoor D/N IP66 Arctic	GV-SD220-S
25cm Straight Tube (Outdoor/Indoor)	D7H03-ST1
50cm Straight Tube (Outdoor/Indoor)	D7H03-ST2
Mini Pendant Mount (Outdoor/Indoor)	D7H03-WMP
Standard Pendant Mount (with anti-drop wire)	D7H03-WSP
Corner Plate Mount	D7H05-CST
Corner Thin Box Mount	D7H05-CTB
Indoor Mount Kit (Indoor only)	D7H05-MK2
Pole Thin Box Mount	D7H05-PTB
Pole Thin Direct Mount	D7H05-PTD
Wall Box Mount	D7H05-WBM
Hard Ceiling Mount (Indoor only. For surface mount)	D7H06-HCM
T-Bar Ceiling Mount (Indoor only. For flush mount)	D7H06-TBC
5.4 Smoke Cover (Indoor only)	DH701-S01
5.8 Smoke Cover (Outdoor only)	DH801-S01
Power Box AC24AC 72VA	P1030-001



### PT & PTZ

Description	Code
GV-PT110D H.264, 1.3M, IR Pan Tilt Camera	GV-PT110D
GV-PT130 H.264, 1.3M, Pan Tilt Camera	GV-PT130
GV-PT220D H.264, 2M, Pan Tilt Camera	GV-PT220D
GV-PT320D H.264, 3M, Pan Tilt Camera	GV-PT320D
GV-PTZ010D, H.264, D1 Pan-Tilt-Zoom (10x)	GV-PTZ010D



### Box

Description	Code
GV-BX140D H.264, 1M, WDR D/N Box IP Camera (with varifocal lens f2.8~12mm, F1.4, IR correction)	GV-BX140
GV-BX120D H.264, 1.3M, Box IP Cam D/N (with varifocal lens) Low Lux	GV-BX120D
GV-BX130D H.264, 1.3M, Box IP Cam D/N (with varifocal lens)	GV-BX130D
GV-BX130D-1 H.264, 1.3M, Box IP Cam D/N (with fixed lens)	GV-BX130D-1
GV-BX220D-0 H.264, 2M, Box IP Cam D/N (with varifocal lens, f2.8~8.5mm, F1.4, IR correction)	GV-BX220D-0
GV-BX220D-1 H.264 2M Box IP Cam D/N (with varifocal lens, f:3.1-8mm, F1.2)	GV-BX220D-1
GV-BX220D-2 H.264 2M Box IP Cam D/N (with varifocal lens, f:2.8-6mm, F1.3)	GV-BX220D-2
GV-BX220D-3 H.264 2M Box IP Cam D/N (with varifocal lens, f2.8~12mm, F1.4)	GV-BX220D-3
GV-BX2400 H.264, 2M, Box IP Cam, WDR (with fixed lens)	GV-BX2400
GV-BX320D-0 H.264, 3M, Box IP Cam D/N (with varifocal lens, f3.1~8mm, F1.2)	GV-BX320D-0
GV-BX320D-1 H.264, 3M, Box IP Cam D/N (with varifocal lens, f:2.8-6mm, F1.3)	GV-BX320D-1
GV-BX3400 H.264, 3M, Box IP Cam WDR (with fixed lens)	GV-BX3400
GV-BX520D H.264 5M Box IP Cam, D/N (with varifocal lens, f4.5~10mm, F1.6)	GV-BX520D



### Arctic Box

Description	Code
GV-BX120D-E 1.3M Low Lux H.264 IR Arctic Box IP Cam	GV-BX120D-E
GV-BX120DM-E 1.3M 3x, Zoom Low Lux H.264 IR Arctic Box	GV-BX120DM-E
GV-BX220D-E 2M H.264 IR Arctic Box IP Camera	GV-BX220D-E
GV-BX220DM-E 2M 3 x Zoom H.264 IR Arctic Box	GV-BX220DM-E
GV-BX320D-E 3M H.264 IR Arctic Box IP Camera	GV-BX320D-E
GV-BX320DM-E 3M 3 x Zoom H.264 IR Arctic Box	GV-BX320DM-E
GV-BX520D-E 5M H.264 IR Arctic Box IP Camera	GV-BX520D-E
GV-BX520DM-E 5M 3 x Zoom H.264 IR Arctic Box	GV-BX520DM-E



### Bullet

Description	Code
GV-BL110D 1.3M H.264 IR Bullet IP Camera	GV-BL110D
GV-BL120D 1.3M H.264 Low Lux IR Bullet IP Camera	GV-BL120D
GV-BL120DM 1.3M H.264 Low Lux IR 3x Zoom	GV-BL120DM
GV-BL130D 1.3M H.264 IR Bullet IP Camera	GV-BL130D
GV-BL140DW 1M H.264 WDR Low Lux IR	GV-BL140DW
GV-BL220D 2M H.264 IR Bullet IP Camera	GV-BL220D
GV-BL220DM 2M H.264 Low Lux IR 3x Zoom	GV-BL220DM
GV-BL320D 3M H.264 IR Bullet IP Camera	GV-BL320D
GV-BL320DM 3M H.264 Low Lux IR 3x Zoom	GV-BL320DM
GV-BL520D 5M H.264 IR Bullet IP Camera	GV-BL520D





## ↓ IP Cameras

### Fixed Dome

Description	Code
GV-FD120D H.264, 1.3M Low Lux IR Fixed IP Dome	GV-FD120D
GV-FD120DM H.264, 1.3M IR Fixed IP Dome 3X Zoom	GV-FD120DM
GV-FD220D H.264, 2M IR Fixed IP Dome	GV-FD220D
GV-FD220DM H.264, 2M IR Fixed IP Dome 3X Zoom	GV-FD220DM
GV-FD320D H.264, 3M IR Fixed IP Dome	GV-FD320D
GV-FD320DM H.264, 3M IR Fixed IP Dome 3X Zoom	GV-FD320DM
GV-FD520D H.264, 5M IR Fixed IP Dome	GV-FD520D



### Vandal Proof Dome

Description	Code
GV-VD140DW 1.0M H.264 WDR IR Vandal Proof IP Dome	GV-VD140DW
GV-VD120D 1.3M H.264 Low Lux IR IK10+ Vandal Proof IP Dome	GV-VD120D
GV-VD120DM 1.3M H.264 Low Lux IR IK10+ Vandal Proof IP Dome 3x Zoom	GV-VD120DM
GV-VD121D 1.3M H.264 Low Lux IR IK10+ Vandal Proof IP Dome Smoked Cover	GV-VD121D
GV-VD122D 1.3M H.264 Low Lux IR Vandal Proof IP Dome	GV-VD122D
GV-VD123D 1.3M H.264 Low Lux IR Vandal Proof IP Dome Smoked Cover	GV-VD123D
GV-VD220D 2.0M H.264 IR IK10+ Vandal Proof IP Dome	GV-VD220D
GV-VD220DM 2.0M H.264 IR IK10+ Vandal Proof IP Dome 3x Zoom	GV-VD220DM
GV-VD221D 2M H.264 IR IK10+ Vandal Proof IP Dome Smoked Cover	GV-VD221D
GV-VD222D 2M H.264 IR Vandal Proof IP Dome	GV-VD222D
GV-VD223D 2M H.264 IR Vandal Proof IP Dome Smoked Cover	GV-VD223D
GV-VD320D 3M H.264 IR IK10+ Vandal Proof IP Dome	GV-VD320D
GV-VD320DM 3M H.264 IR IK10+ Vandal Proof IP Dome 3x Zoom	GV-VD320DM
GV-VD321D 3M H.264 IR IK10+ Vandal Proof IP Dome Smoked Cover	GV-VD321D
GV-VD322D 3M H.264 IR Vandal Proof IP Dome	GV-VD322D
GV-VD323D 3M H.264 IR Vandal Proof IP Dome Smoked Cover	GV-VD323D
GV-VD520D 5M H.264 IR Vandal Proof IP Dome Smoked Cover	GV-VD520D



### Mini Fixed Dome

Description	Code
GV-MFD140 1.0M Mini IP Fixed Dome Low Lux 4mm WDR	GV-MFD140
GV-MFD130 1.3M Mini IP Fixed Dome 2.54mm	GV-MFD130
GV-MFD120 1.3M Mini IP Fixed Dome Low Lux 4mm	GV-MFD120
GV-MFD220 2M Mini IP Fixed Dome 2.54mm	GV-MFD220
GV-MFD320 3M Mini IP Fixed Dome 2.54mm	GV-MFD320
GV-MFD520 5M Mini IP Fixed Dome 2.54mm	GV-MFD520



### Mini Fixed Rugged Dome

Description	Code
GV-MDR140W 1MP H.264 Low Lux Mini Fixed Rugged Dome	GV-MDR140W
GV-MDR120 1.3MP H.264 Low Lux Mini Fixed Rugged Dome	GV-MDR120
GV-MDR220 2MP H.264 Low Lux Mini Fixed Rugged Dome	GV-MDR220
GV-MDR320 3MP H.264 Low Lux Mini Fixed Rugged Dome	GV-MDR320
GV-MDR520 5MP H.264 Low Lux Mini Fixed Rugged Dome	GV-MDR520



### FishEye

Description	Code
GV-FE110 1M H.264 Fisheye IP Camera	GV-FE110
GV-FE420 4M H.264 Fisheye IP Camera	GV-FE420
GV-FE520D 5M H.264 Fisheye IP Camera	GV-FE520
GV-FER521 5M H.264 Rugged Fisheye IP Camera	GV-FER521



### Dome Mounting Solutions

Description	Code
GV-Mount 901 GV-VD Pendant Mount	GV-MOUNT901
GV-Mount 902 GV-FD Pendant Mount	GV-MOUNT902
GV-Mount 903 GV-FE Pendant Mount	GV-MOUNT903
GV-Mount GV-VD/FD/FE Wall Arm	GV-MOUNT200
GV-Mount 904 GV-FE 180° Wall Mount	GV-MOUNT904
GV-Mount 905 GV-FD In-Ceiling Cover	GV-MOUNT905



### Cube

Description	Code
GV-CB120D H.264, 1.3M IP Cube Camera	GV-CB120D
GV-CBW120 H.264, 1.3M Wireless Cube IP Camera	GV-CBW120
GV-CB220D H.264, 2.3M IP Cube Camera	GV-CB220D
GV-CBW220 H.264, 2.3M Wireless Cube IP Camera	GV-CBW220



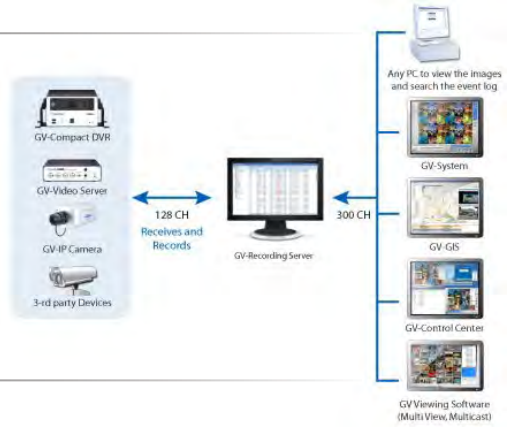


## ↓ Recording Server

### 128CH Server Recording Software

#### For GeoVision and/or 3rd Party IP Camera Management

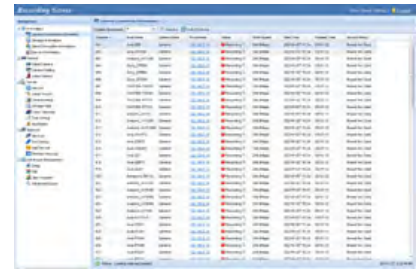
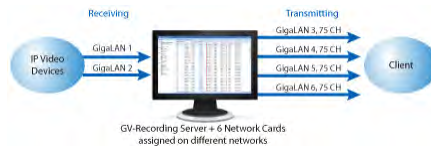
The GV-Recording Server is a video streaming server designed for large-scale video surveillance deployments. It can receive and record up to 128 channels from various IP video devices. Through an intuitive Web interface, each IP camera can be configured to record video continuously, upon motion detection, upon I/O trigger or according to a schedule. In addition, it can simultaneously distribute up to 300 channels to its clients which include GV-System (DVR/NVR system), GV-GIS (geographic information system), GV-Control Centre (central monitoring system) and Multi View (viewing software). Using the GV-Recording Server, the desired frame rates can be reached while the CPU loading and the bandwidth usage of IP video devices are significantly reduced.



### GeoVision IP Camera Compatible Software

Description	Code
Recording Server (GV)- 32CH	RG032-000
Recording Server (GV)- 36CH	RG036-000
Recording Server (GV)- 40CH	RG040-000
Recording Server (GV)- 48CH	RG048-000
Recording Server (GV)- 56CH	RG056-000
Recording Server (GV)- 64CH	RG064-000
Recording Server (GV)- 72CH	RG072-000
Recording Server (GV)- 80CH	RG080-000
Recording Server (GV)- 88CH	RG088-000
Recording Server (GV)- 96CH	RG096-000
Recording Server (GV)- 128CH	RG128-000

The GV-Recording Server is a video streaming server designed for large-scale video surveillance deployments. It can receive and record up to 128 channels from GeoVision IP video devices. 64-bit Windows 7 / Server 2008

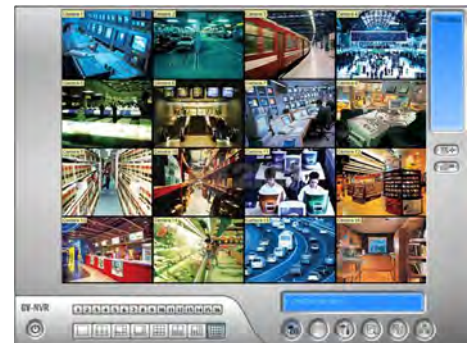


[http://www.geovision.com.tw/english/Prod\\_GVRecordingServer.asp](http://www.geovision.com.tw/english/Prod_GVRecordingServer.asp)

### 3rd Party IP Camera Compatible Software

Description	Code
Recording Server - 32CH	RS032-000
Recording Server - 36CH	RS036-000
Recording Server - 40CH	RS040-000
Recording Server - 48CH	RS048-000
Recording Server - 56CH	RS056-000
Recording Server - 64CH	RS064-000
Recording Server - 72CH	RS072-000
Recording Server - 80CH	RS080-000
Recording Server - 88CH	RS088-000
Recording Server - 96CH	RS096-000
Recording Server - 128CH	RS128-000

GV-Recording Server also allows for integration with all other IP video devices compatible with ONVIF (V2.0), PSIA (V1.1) standards, or RTSP protocol. Arecont Vision AXIS GeoVision HikVision Panasonic Sony VIVOTEK, and others...



[http://www.geovision.com.tw/english/product/SupportIPCAMR\\_Arecont.asp](http://www.geovision.com.tw/english/product/SupportIPCAMR_Arecont.asp)

## GeoVision Applications

Description	Code
Advanced Video Analysis	GV-AVA
GV-Backup Centre	GV-BACKUP
Control Centre	CTRLC-000
Centre V2	GV-CENTER-V2
Dispatch Server	DSPCH-000
POS Text Sender 1 Port	GV-POS-TS1
POS Text Sender 2 Ports	GV-POS-TS2
POS Text Sender 4 Ports	GV-POS-TS4
POS Text Sender 8 Ports	GV-POS-TS8
POS Text Sender 12 Ports	GV-POS-TS12
POS Text Sender 16 Ports	GV-POS-TS16
GV-Web Report (200 Ports)	GV-WEBREPORT-200
GV-Web Report (500 Ports)	GV-WEBREPORT-500
GV-Web Report (1,000 Ports)	QCNTN-102
GV-Video Gateway 128 Ports	VR128-000
Vital Sign Monitor	GV-VSM



### GV POS-DVR Solution



## ↓ IP Cameras

### Accessory for IP Camera

Description	Code
VESA mount kit for PN300/Decoder Box	BKPN3V-MK1
GV-BL110 193x85.4x1.2mm	BL193-1C1
GV-IP Decoder Box Network Player	GV-IP-DECODER
GV-IRLED (T1)	GV-IRLED
GV-IRLED (T2)	GV-IRLEDT2
POE Adaptor	GV-PA191





## ↓ DVR Compact

### GeoVision DVR Compact For Mobile Applications

Description	Code
GV-LX4C2 Compact DVR V2	GV-LX4C2
GV-LX4C3V Compact DVR V3 ACC Version, H.264	GV-LX4C3V
GV-LX4C3D1 Compact DVR 4CH V3 1Bays, H.264, US	GV-LX4C3D1
GV-LX4C3D2 Compact DVR 4CH V3 2Bays,US	GV-LX4C3D2
GV-LX4C3D2W Compact DVR 4CH V3 2Bays,US	GV-LX4C3D2W
GV-LX8CD1 Compact DVR 8CH D1 1 Bay US	GV-LX8CD1
GV-LX8CD2 Compact DVR 8CH D1 2 Bay HDD US	GV-LX8CD2
GV-LX8CD2W Compact DVR 8CH D1 1 Bay HDD, 1 Bay DVD-R/W	GV-LX8CD2W
GV-LX8CV1(ACC) 1 Bay HDD	GV-LX8CV1
GV-LX8CV2(ACC) 2 Bay HDD	GV-LX8CV2
GPS Module for Compact DVR RS232	GV-GPS-RS232
GPS Module for Compact DVR ACC Version PS2	GV-GPS-PS2
External IR Receiver	E52-1355B-001
AC Adaptor	E70-LX4C2-004
GV-VR605 DC Voltage Regulator V1	GV-VR605
HDD 2.5" to 3.5" Converter	SW882-001



### NVR Lite

Supports up to 8x GeoVision IP cameras for networking surveillance. For use with other brand IP Cameras, Licensing is required. Includes 500Gb Hard Drive extendable to USB. Windows XP Embedded. Compact behind monitor mount 150x20x175mm. Available as a kit with 4x Dome IP Cameras.

Description	Code
GV-NVR System Lite Unit w/ 500Gb HDD	NVRLT-100
GV-NVR System Lite + GV-MFD130 x4 Kit	NVR-LITE-COMBO



### GeoVision Video Server

Description	Code
1 Channel Video Server	GV-VS11
2 Channel Video Server	GV-VS12
4 Channel Video Server	GV-VS04



### Digital Signage

Description	Code
CMS Lite Additional 10 Devices	CM010-000
CMS Lite Additional 20 Devices	CM020-000
CMS Lite Additional 30 Devices	CM030-000
CMS Lite Additional 40 Devices	CM040-000
CMS Server 20 Connections	CMSSDX5-0020
CMS Server 25 Connections	CMSSDX5-0025
CMS Server 30 Connections	CMSSDX5-0030
CMS Server 35 Connections	CMSSDX5-0035
CMS Server 40 Connections	CMSSDX5-0040
CMS Server 45 Connections	CMSSDX5-0045
CMS Server 50 Connections	CMSSDX5-0050
CMS Server 55 Connections	CMSSDX5-0055
CMS Server 60 Connections	CMSSDX5-0060
CMS Server 65 Connections	CMSSDX5-0065
CMS Server 70 Connections	CMSSDX5-0070
CMS Server 75 Connections	CMSSDX5-0075
CMS Server 80 Connections	CMSSDX5-0080
CMS Server 85 Connections	CMSSDX5-0085
CMS Server 90 Connections	CMSSDX5-0090
CMS Server 95 Connections	CMSSDX5-0095
CMS Server 100 Connections	CMSSDX5-0100
PN300 V1.0 Network Player IDI-653 Black	PN300B0-100A
SQP-110P Black Digital Signage with 11' non-touch monitor	SQP-110P-BK
SQP-110P White Digital Signage with 11' non-touch monitor	SQP-110P-WH
SQP-110T Black Digital Signage with 11' touch monitor	SQP-110T-BK
SQP-110T White Digital Signage with 11' touch monitor	SQP-110T-WH
SQP-133 Digital Signage with 13.3' inch touch monitor	SQP-133TOUCH
SQP-133 Digital Signage with 13.3' non-touch monitor	SQP-133NONTOUCH
USB to RJ45 Dongle for SQP 110	URJ45-L01
VESA mount kit for PN300	PN300-002
Wall mount kit for PN300	PN300-001





## ↓ Access Control

### Controller

Description	Code
GV-AS100 Keypad RS485	GV-AS100
GV-AS110 Keypad RS485	GV-AS110
GV-AS120 Keypad RS485	GV-AS120
AS400 (4 door) + Power Board	GV-AS400



### Reader

Description	Code
GV-Reader (125KHz)	GV-READER1251
GV-Reader (13.56MHz)	GV-READER1356
GV-Reader (RK1352)	GV-READER1352
GV-R1352 V100	GV-R1352
GeoFinger GF-1901 + Manager Card	GV-GF1901
GeoFinger GF-1902 + Manager Card	GV-GF1902



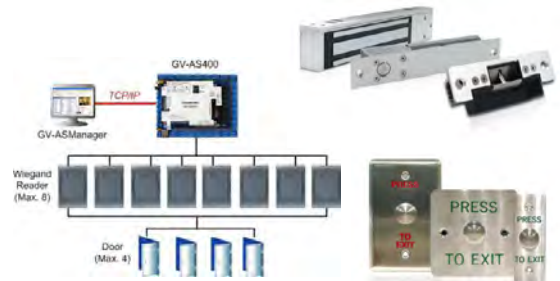
### Access Control Accessories

Description	Code
GV-ASNET Add Network Function to GV-AS100/110/120	GV-ASNET
GV-ASBOX Add Network Function to GV-AS100/110/120	GV-ASBOX
GV-AS Keypad	GV-ASKEY-100
GV-AS ID Card THIN Type 125KHz	GV-ASID125
GV-AS ID Card TAG Type 125KHz	GV-ASTAG125
GV-AS ID Card THIN Type 13.56 MHz	GV-ASID1356
GV-AS ID Card TAG Type 13.56 MHz	GV-ASTAG1356
Mifare ID THIN for GeoFinger	GV-MIFAREID
Mifare Tag Type for GeoFinger	GV-MIFARETAG



### Access Control Hardware

Description	Code
GV-AS400 Small Case	AS2CA-100
GV-AS400 Large Case	AS4CA-100
GV-AS Door Extension Card (2 to 4)	AEXIO-100
GV-AS Ethernet Module	ENETM-A20
MLSH01-0-DS Electromagnetic Lock 250kg	MLSH01-0
ML200SLD Electric Bolt	GV-ML200SLD
ST124SLD Electric Strike	GV-ST124SLD
PB21 Push Button (W:35mm Green word)	PB21
PB22 Push Button (W:86mm Green word)	PB22
PB41 Push Button (W:76mm Red word)	PB-41



### Access Control Software

Description	Code
1 to 4 controllers connections	AS004-000
1 to 10 controllers connections	AS010-000
1 to 30 controllers connections	AS030-000
1 to 50 controllers connections	AS050-000
1 to 100 controllers connections	AS100-000
1 to 180 controllers connections	AS180-000
1 to 255 controllers connections	AS255-000



### Optional GeoVision Accessories

Description	Code
GV-Data Capture V3E	GV-DATACAPV3E
GV-COM V2	GV-COMV2
GV-HUB V2	GV-HUBV2
GV-IO BOX 4 Port	GV-IOBOX4
GV-IO BOX 8 Port	GV-IOBOX8
GV-IO BOX 16 Port	GV-IOBOX16
GV-IO BOX 8 Port + Ethernet	GV-IOBOX8E
GV-IO BOX 16 Port + Ethernet	GV-IOBOX16E
GV-IO 12-IN Card	GV-IO12INCARD
GV-NET/IO card	GV-NET/OCARD
GV-Keyboard	GV-KEYBOARD
GV-Keyboard (CMS)	GV-KEYBC-300
GV-NET Card	GV-NET
GV-Data Capture V3	GV-DATACAPV3
GV-Relay (Box)	GV-RELAYV2
GV-Multi Quad	GV-TVOUT-050
GV-Wiegand Capture	GV-WIEGAND
GPS Module for Video Server	GV-GPURT-001
GV-Smart Box, US	SMART-200U
Wifi Dongle (Pegatron WL-166N11)	GV-W166N-P02
GV-Battery Box (w/o Battery)	GV-BATTERY
GP12-45 SLA Battery suits GV-BATTERY Holder	GP12-45
GV-Joystick	GV-JOYSTICK
Ethernet Module V2	GV-LANMODULEV2
GPS Module for Compact DVR RS232	GV-GPS-RS232



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