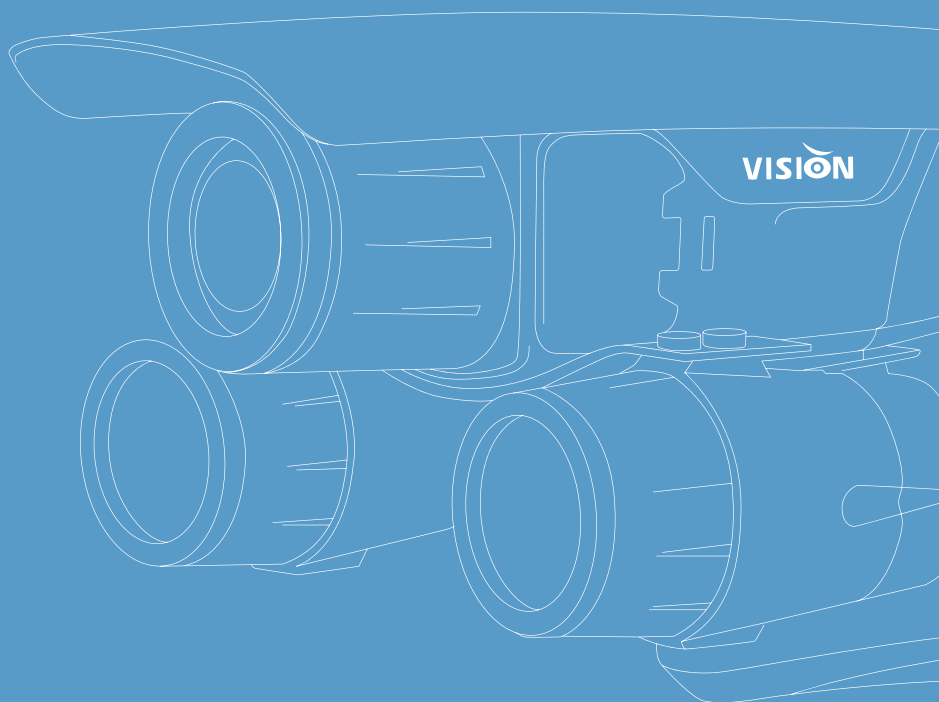
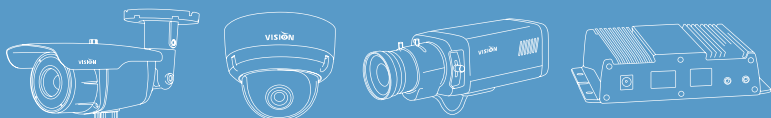


Vision Security System

Product Guide 12/13

- IP Networks
- HD-cctv
- High Quality Analog
- Illuminator & Accessory



IP Camera



Key features

- Video Compression : H,264, MJPEG
 - Resolution & Frame rate
 - Two-way Audio : Codec G,711
 - Image : Privacy mask, Day & Night, Auto WB & Exposure, Effect
 - Network
 - Security : User access, HTTPS Encryption
 - Protocol : HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP
 - Event Detection : Motion, Alarm In, User from web viewer
 - Notification : FTP, E-mail, CMS
 - PoE Support
 - Auxiliary : Firmware upgrade, SD Card Slot, RS-485
- SM3Ti Series(Triple Streaming)**
 3 MP(2048 x 1536) : H,264 - 20fps/3MP + MJPEG - 20 fps/VGA
 Full HD(1920 x 1080) : H,264 - 30fps/2MP + MJPEG - 30 fps/VGA
- SMi Series(Dual Streaming)**
 HD(1280 x 720) : H,264 - 30fps/HD, MJPEG - 15fps/VGA
- EHi Series(Dual Streaming)**
 D1(720x480/720x586) : H,264 - 30/25fps/D1, MJPEG - 30/25fps/D1

Speed Dome camera



VPD200SM2Ti

- 2 MegaPixel
- 1/2.8" Sony Progressive CMOS sensor
- 20x Auto Focus zoom(14.7~94mm)
- 12x Digital zoom
- H,264 : 30fps/Full HD, MJPEG : 30fps/VGA
- Pan 360° (400° /sec.), Tilt 0~90° (400° /sec.)
- IP 66 - 12VDC/3A



VPD330i-I

- 1/4" Sony Color Vertical Double Density CCD
- 33x Auto Focus zoom(13.5~115.5mm)
- WDR
- 12x Digital zoom
- H,264 : 25/30fps at D1, MJPEG : 25/30fps at D1
- Pan 360° (400° /sec.), Tilt -3~180° (400° /sec.)
- PoE/12VDC



VPD370i-I

- 1/4" Sony Color Vertical Double Density CCD
- 37x Auto Focus zoom(13.5~129.5mm)
- WDR
- 12x Digital zoom
- H,264 : 25/30fps at D1, MJPEG : 25/30fps at D1
- Pan 360° (400° /sec.), Tilt -3~180° (400° /sec.)
- PoE/12VDC



VPD330i-O

- 1/4" Sony Color Vertical Double Density CCD
- 33x Auto Focus zoom(13.5~115.5mm)
- WDR
- 12x Digital zoom
- H,264 : 25/30fps at D1, MJPEG : 25/30fps at D1
- Pan 360° (400° /sec.), Tilt -3~180° (400° /sec.)
- IP66, Fan/Heater, 24VAC



VPD370i-O

- 1/4" Sony Color Vertical Double Density CCD
- 37x Auto Focus zoom(13.5~129.5mm)
- WDR
- 12x Digital zoom
- H,264 : 25/30fps at D1, MJPEG : 25/30fps at D1
- Pan 360° (400° /sec.), Tilt -3~180° (400° /sec.)
- IP66, Fan/Heater, 24VAC



VPD120i

- 1/4" Sony Ex-view HAD PS CCD
- Optical 12x, Digital 12x
- Auto Focus
- WDR - 2D/3D DNR
- H,264 : 25/30fps at D1
- MJPEG : 25/30fps at D1
- Pan 360° (300° /sec.), Tilt -3~180° (300° /sec.)
- PoE/12VDC

Super Night Vision camera



VA102SM3Ti-12SF

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 12x(5~60mm) Semi Auto Focus
- 80m IR Beam Distance
- IP66, 24VDC
- Easy Installation



VA100SM3Ti-12SF

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 12x(5~60mm) Semi Auto Focus
- 70m IR Beam Distance
- IP66, 24VDC
- Easy Installation



VN7XSM3Ti-X12SF

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 12x(5~60mm) Semi Auto Focus
- SD Card Slot
- 30m IR Beam Distance
- IP67, 12VDC
- Easy Installation



VN7XSMi-X12SF

- 1/3" 1.3MP Sony Progressive CMOS Sensor
- HD(1280 x 720)/30fps
- 12x(5~60mm) Semi Auto Focus
- SD Card Slot
- 30m IR Beam Distance
- IP67, 12VDC
- Easy Installation



VN7XSM3Ti

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 5~60mm Motorized zoom control
- SD Card Slot
- 30m IR Beam Distance
- IP67, PoE/12VDC



VN7XSMi

- 1/3" 1.3MP Sony Progressive CMOS Sensor
- HD(1280 x 720)/30fps
- 5~60mm Motorized zoom control
- SD Card Slot
- 30m IR Beam Distance
- IP67
- PoE/12VDC



VN7XEHi

- 1/3" Sony Super HAD CCD II
- 25/30fps at D1
- 2.8~12mm Motorized zoom control
- SD Card Slot
- 30m IR Beam Distance
- IP67, PoE/12VDC

Night Vision camera



VN6XSM3Ti

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 3~10mm Motorized zoom control
- SD Card Slot
- 20m IR Beam Distance
- IP67, PoE/12VDC



VN6XSMi

- 1/3" 1.3MP Sony Progressive CMOS Sensor
- HD(1280 x 720)/30fps
- 2.8~10mm Motorized zoom control
- SD Card Slot
- 20m IR Beam Distance
- IP67, PoE/12VDC



VN6XEHi

- 1/3" Sony Super HAD CCD II
- 25/30fps at D1
- 2.8~12mm Motorized zoom control
- SD Card Slot
- 20m IR Beam Distance
- IP67
- PoE/12VDC



VDA100SM3Ti

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 3~10mm Motorized zoom control
- SD Card Slot
- IP66
- PoE/12VDC



VDA100EHi

- 1/3" Sony Super HAD CCD II
- 25/30fps at D1
- 2.8~12mm Lens
- SD Card Slot
- IP66
- PoE/12VDC



VDA100SM3Ti-IR

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 3~10mm Motorized zoom control
- 30m IR - SD Card Slot
- IP66
- PoE/12VDC



VDA100EHi-IR

- 1/3" Sony Super HAD CCD II
- 25/30fps at D1
- 2.8~12mm Lens
- 30m IR
- SD Card Slot
- IP66
- PoE/12VDC



VDA110SMi

- 1/3" 1.3MP Sony Progressive CMOS Sensor
- HD(1280 x 720)/30fps
- 3.5~16mm Lens
- SD Card Slot
- IP66
- PoE/12VDC



VDA110SMi-IR

- 1/3" 1.3MP Sony Progressive CMOS Sensor
- HD(1280 x 720)/30fps
- 3.5~16mm Lens - 30m IR
- SD Card Slot - IP66
- PoE/12VDC

Slim Dome camera



VDA50SMi

- 1/3" 1.3MP Sony Progressive CMOS Sensor
- HD(1280 x 720)/30fps
- 3.0mm Board lens
- Anti Shock & Vibration
- Vandalproof
- IP67 Weatherproof
- 3-Axis
- PoE/12VDC



VD102SM3Ti

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 2.8~12mm
- SD Card Slot
- PoE/12VDC



VD102EHi

- 1/3" Sony Super HAD CCD II
- 25/30fps at D1
- 2.8~12mm/2.9mm/3.6mm/4.3mm/6mm/8mm Lens
- SD Card Slot
- PoE/12VDC



VD102SM3Ti-IR

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- 2.8~12mm
- 30m IR Beam Distance
- SD Card Slot
- PoE/12VDC



VD102EHi-IR

- 1/3" Sony Super HAD CCD II
- 25/30fps at D1
- 2.8~12mm/2.9mm/3.6mm/4.3mm/6mm/8mm Lens
- 30m IR Beam Distance
- SD Card Slot
- PoE/12VDC



VC58SM3Ti-ICR

- 1/2.8" 3MP Sony Progressive CMOS Sensor
- 3MP(2048 x 1536)/20fps
- Full HD(1920 x 1080)/30fps
- SD Card Slot
- PoE/12VDC



VC58SMi-ICR

- 1/3" 1.3MP Sony Progressive CMOS Sensor
- HD(1280 x 720)/30fps
- SD Card Slot
- PoE/12VDC



VC58EHi-ICR

- 1/3" Sony Super HAD CCD II
- 25/30fps at D1
- SD Card Slot
- PoE/12VDC



NVS102

- 1CH
- 30fps/ D1
- Support PTZ Control
- SD/SDHC Card Slot

Indoor Dome camera

Box camera

Video Server

HDNVR4

- Recording up to 4 CH MP cameras at 1080p, 720p, D1 & CIF
- JAVA Platform (Compatible with all kinds of Web Browsers)
- Install e-SATA Drive
- ONVIF compatible
- CMS, Smartphone Viewer included
- H.264 Compression
- Data backup to USB Thumb Drive
- Gigabit Ethernet connection terminal
- Terminal Block for 4xDI and 1xDO
- System LED (Power, Status, Record, Network)

HDNVR8

- Recording up to 8 CH MP cameras at 1080p, 720p, D1 & CIF
- JAVA Platform (Compatible with all kinds of Web Browsers)
- Install e-SATA Drive
- ONVIF compatible
- CMS, Smartphone Viewer included
- H.264 Compression
- Data backup to USB Thumb Drive
- Gigabit Ethernet connection terminal
- Terminal Block for 4xDI and 1xDO
- System LED (Power, Status, Record, Network)

HDNVR16

- Recording up to 16 CH MP cameras at 1080p, 720p, D1 & CIF
- JAVA Platform (Compatible with all kinds of Web Browsers)
- Install e-SATA Drive
- ONVIF compatible
- CMS, Smartphone Viewer included
- H.264 Compression
- Data backup to USB Thumb Drive
- Gigabit Ethernet connection terminal
- Terminal Block for 4xDI and 1xDO
- System LED (Power, Status, Record, Network)

JAVA Platform Embedded HDNVR

HDNVR Series provides JAVA based web browser client, It supports up to 16ch recording for HD network cameras, It means users can use any PC and do not need to install "Active X" or any special applications.

Web Browser based Client

HDNVR Series works on any web browsers such as Internet Explorer, Firefox, Chrome, Safari, Opera, Whichever browser or OS, It provides the fastest way to IP security system with current PCs.

Easy and Simple Setup GUI

HDNVR Series offers easy network camera detection and setup capability on local network, The user simply needs to select a channel number and a few clicks for recording configuration, There are no needs to input individual network camera information anymore, HDNVR Series automatically works.

ONVIF Fully Compatible

HDNVR offers a full compatibility with ONVIF protocol network IP Cameras and Major brands as well.

Interoperable with

Genetec

exacq
TechnologiesPELCO
by Schneider Electric

MIRASYS

AVIGILON

NUVO
The Intelligent Surveillance Solution

EITV axxon

aimetis

**Software NVR****Key features**

- Up to 64 Channels display & Recording simultaneously
- Up to 16 Channel Playback simultaneously
- Event monitoring and Alarm notification
- Support E-map Application
- Remote Search
- Multi-monitor support
- On screen PTZ control
- Two way audio communication
- Easy Installation
- Connection to Streaming Server(Relay)
- Digital zoom support
- Automatic reconnection after abnormal termination
- JPEG stream support
- Support of Multi languages
- Working with Video Server
- Export AVI backup
- E-mail and FTP transfer of snapshot image
- Image Cropping & Recording
- Dual Streaming support
- Megapixel camera support
- Display image maps with camera icons on it
- Display pop-up video manually or by events
- Event handling : various actions on events including pop-up video display, highlighting the camera icon, and sound effect

HD CCTV Camera



Key features

- Uncompressed high quality HD Video ; No Packet loss and compression delay
- HD : 720p(50/60fps), Full HD : 1080p(25/30fps), 3G-SDI : 1080p(50/60fps)
- Digitally transmitted HDTV signal
- Standard HD-SDI video interface HD/Full HD : SMPTE 292M, 3G-SDI : SMPTE 424M
- HD Video Transmission up to 100M with RG59 coaxial cable
- Repeater & Converter for 100M Extension
- Plug-and-Play resolution upgrade for regular CCTV with coaxial cable
- Diverse Video Output : CVBS(Composite), HD-SDI

Super Night Vision camera



VA100FHD-VL60
1080p(25/30fps, 50/60fps)

- 12x(5~60mm) Smart Focus
- 100m IR Beam Distance
- Compatible LED Angle with Zoom Ratio
- True DN(ICR) · 2D/3D DNR
- RS-485 Interface
- Cable managed bracket
- IP 66 Weatherproof · 24VDC



VA100FHD
1080p(25/30fps, 50/60fps)

- 12x(5~60mm) Smart Focus
- 40m IR Beam Distance
- True DN(ICR) · 2D/3D DNR
- RS-485 Interface
- Cable managed bracket
- IP 66 Weatherproof · 24VDC



VN7XH 720p(50/60fps)
VN7XFHD 1080p(25/30fps, 50/60fps)

- 12x(5~60mm) Smart Focus
- 30m IR Beam Distance
- True DN(ICR)
- 2D DNR : VN7XH
- 3D DNR : VN7XFHD
- RS-485 Interface
- Cable managed bracket
- IP 67 Weatherproof · 12VDC



VN6XS
1080p(25/30fps) 720p(50/60fps)

- 3~10mm Motorized Zoom
- 20m IR Beam Distance
- True DN(ICR) · 2D/3D DNR
- Defog
- RS-485 Interface
- Cable managed bracket
- IP 67 Weatherproof · 12VDC



VN40SF
1080p(25/30fps) 720p(50/60fps)

- 3,7mm
- 2D/3D DNR
- Defog
- RS-485 Interface
- 12VDC



VN40SFHD-IR
1080p(25/30fps) 720p(50/60fps)

- 3,7mm
- 10m IR Beam Distance
- True DN(ICR)
- 2D/3D DNR
- Defog
- RS-485 Interface
- 12VDC

Vandal Dome camera



VDA100SFHD-DN
1080p(25/30fps) 720p(50/60fps)

- 3~10mm Motorized Zoom
- True DN(ICR)
- 2D/3D DNR
- Defog
- RS-485 Interface
- Tool-free 3-Axis
- IP 66
- 12VDC, 12VDC/24VAC



VDA100SFHD-IR
1080p(25/30fps) 720p(50/60fps)

- 3~10mm Motorized Zoom
- 20m IR Beam Distance
- True DN(ICR)
- 2D/3D DNR
- Defog
- RS-485 Interface
- Tool-free 3-Axis
- IP 66 · 12VDC, 12VDC/24VAC



VD102SFHD
1080p(25/30fps) 720p(50/60fps)

- 2,8~10mm
- True DN(ICR)
- 2D/3D DNR
- Defog
- RS-485 Interface
- Tool-free 3-Axis
- 12VDC



VD102SFHD-IR
1080p(25/30fps) 720p(50/60fps)

- 2,8~10mm
- 15m IR Beam Distance
- True DN(ICR)
- 2D/3D DNR
- Defog
- RS-485 Interface
- Tool-free 3-Axis
- 12VDC



VD70SF
1080p(25/30fps) 720p(50/60fps)

- 3,7mm
- 2D/3D DNR
- Defog
- RS-485 Interface
- Tool-free 3-Axis
- IP 66
- 12VDC



VC58HD 720p(50/60fps)
VC58FHD 1080p 25/30fps 50/60fps

- True DN(ICR)
- 2D DNR : VC58HD
- 3D DNR : VC58FHD
- RS-485 Interface
- 12VDC



VC58SF
1080p(25/30fps) 720p(50/60fps)

- True DN(ICR)
- 2D/3D DNR
- Defog
- RS-485 Interface
- 12VDC
- DC/Video/Manual Iris
- CDS VR Control



VRP102
720p or 1080p

- 1 x HD-SDI Input
- 2 x HD-SDI Output
- 100m Extended Distance
- 5C-HFBT Type
- Impedance : 75 Ohm



VRP102HDMI
720p or 1080p

- 1 x HD-SDI Input
- 1 x HD-SDI Output
- 1 x HDMI Output
- 100m Extended Distance
- L-5CFB Type
- Impedance : 75 Ohm

HD DVR

VHD400



4CH Real-time HD-SDI DVR

Video : H,264 Main Profile, Audio : ADPCM
Dual-Stream with Adjustable fps and Resolution
Display : 100/120 fps (1/4 CH)
Resolution : Full HD (1920x1080), SXGA(1280x1024), 1024x768, 800x600, 640x480
Recording : 50/60fps at 720p & 25/30fps at 1080p
Playback : 1CH(Full) 25/30fps & 4CH (Quad) 12,5/15fps per CH
Search : Intelli-Search by Time Bar, Calendar(Date & Time), Event/System Search
Gigabit LAN/ e-SATA/ UPnP/ HD Monitoring + Recording
Internal Storage : 4 x SATA HDD, 1 x ODD, 1 x e-SATA
Smart Phone Viewer featuring Monitoring/ VOD/ Event Search/ Popup Notification

VHD800



8CH Real-time HD-SDI DVR

Video : H,264 Main Profile, Audio : ADPCM
Dual-Stream with Adjustable fps and Resolution
Display : 200/240 fps (1/4/8 CH)
Resolution : Full HD (1920x1080), SXGA(1280x1024), 1024x768, 800x600, 640x480
Recording : 200/240fps at 720p & 100/120fps at 1080p
Playback : 1CH(Full) 25/30fps & 4CH (Quad) 12,5/15fps per CH
Search : Intelli-Search by Time Bar, Calendar(Date & Time), Event/System Search
Gigabit LAN/ e-SATA/ UPnP/ HD Monitoring + Recording
Internal Storage : 4 x SATA HDD, 1 x ODD, 1 x e-SATA
Smart Phone Viewer featuring Monitoring/ VOD/ Event Search/ Popup Notification

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Distributed by

Effio-P Highest Quality Professional camera

Analog

Key features

- 1/3" Sony 960H Double Scan Super HAD CCD
- 650TVL(D)/ 700TVL(N)
- 2D/3D DNR(Digital Noise Reduction)
- Real WDR(Wide Dynamic Range)
- World's best color reproduction in WDR on
- Motion Detection
- Privacy Mosaic
- Digital Zoom (x1.5 ~ x4)
- DSS(Digital Slow Shutter)
- RS-485 Interface(Pelco-D Protocol)

Night Vision Outdoor camera



VN7XEP

- 2.8-12mm:40m IR Beam Distance
- 5-50mm:50m IR Beam Distance
- WDR
- True DN(ICR)
- External Focus Adjustment
- Cable managed bracket
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VN6XEP

- 30m IR Beam Distance
- WDR
- 2.8-12mm
- True DN(ICR)
- External Focus Adjustment
- Cable managed bracket
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC

Vandal Dome camera



VDA100EP-VFADN

- 2.8-12mm
- True DN(ICR)
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VDA100EP-VFAIR

- 30m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC

Indoor Dome camera



VD101EP-VFA12DN

- 2.8-12mm
- True DN(ICR)
- Extra Video out
- 3-Axis
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VD101EP-VFA12IR

- 30m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- Extra Video out
- 3-Axis
- RS-485 Interface
- 12VDC, 12VDC/24VAC

Box camera



VC58EP

- True DN(ICR)
- RS-485 Interface
- 12VDC, 12VDC/24VAC

WideLux II High Performance WDR camera

Analog

Key features

- 1/3" Sony Super HAD CCD II
- Real Wide Dynamic Range(WDR)
- 600TVL(D)/ 650TVL(N)
- Super low light performance with single scan CCD
- 2D DNR/ Smart 3D DNR
- Sens-up(Off/ x2 ~ x256)
- Lens Shading
- Motion Detection(4 zones)
- Polygonal Privacy Masking(8 zones)
- PiP Digital Zoom(x1 ~ x32),
- DIS(Digital Image Stabilizer)
- Defog
- Highlight Eclipse
- RS-485 Interface(Pelco-D Protocol)
- Co-ax Communication
- Intelligent IR Image Compensation

Night Vision Outdoor camera



VN7XS II

- 2.8-12mm/ 40m IR Beam Distance
- 5-50mm/ 50m IR Beam Distance
- True DN(ICR)
- External Focus Adjustment
- Cable managed bracket
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN6XS II

- 2.8-12mm/ 30m IR Beam Distance
- True DN(ICR)
- External Focus Adjustment
- Cable managed bracket
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN5XS II

- 3.6mm/ 15m IR Beam Distance
- Lens option :
- 2.9mm/4.3mm
- Digital DN
- IP 67 Weatherproof
- IP 67 Weatherproof
- 12VDC



VN300S II

- 50m IR Beam Distance
- 3.6mm/ 4.3mm/ 6mm/ 8mm
- Digital DN
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN310S II

- 35m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN200S II

- 30m IR Beam Distance
- 3.6mm/ 4.3mm/ 6mm/ 8mm
- Digital DN
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN210S II

- 20m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC

Outdoor Dome camera



VDA140S II

- 3.3-12mm
- True DN(ICR)
- Tool-free
- all directional mount
- IP 66 Weatherproof
- Surface/Flush mount compatible
- 12VDC/24VAC



VDA140S II-IR

- 20m IR Beam Distance
- 3.3-12mm
- True DN(ICR)
- Tool-free
- all directional mount
- IP 66 Weatherproof
- Surface/Flush mount compatible
- 12VDC/24VAC



VDA100S II

- 2.8-12mm
- Digital DN
- Tool-free 3-Axis
- IP 66 Weatherproof
- 12VDC, 12VDC/24VAC



VDA100S II-IR

- 30m IR Beam Distance
- 2.8-12mm
- Digital DN
- Tool-free 3-Axis
- IP 66 Weatherproof
- 12VDC, 12VDC/24VAC



VD101S II

- 2.8-12mm
- Digital DN
- Tool-free 3-Axis
- 12VDC, 12VDC/24VAC



VD101S II-IR

- 30m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- Tool-free 3-Axis
- 12VDC, 12VDC/24VAC



VD102S II

- 2.8-12mm
- Digital DN
- Tool-free 3-Axis
- 12VDC



VD102S II-IR

- 30m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- Tool-free 3-Axis
- 12VDC

Box camera



VC58S II

- True DN(ICR)
- 12VDC, 12VDC/24VAC

Bullet camera



VB30S II

- 3.5-16mm/F1.2
- Digital DN
- External Focus Adjustment
- IP 67 Weatherproof
- 12VDC



VB21S II

- Digital DN
- 12VDC
- Model optionalable
- VB21S I -H36 3.6mm / Sunshield(Clip on type)
- VB21S I -R36 3.6mm / Sunshield(Screw on type)
- IP 67 Weatherproof
- [Lens option] 4.3/6/8/12/16mm
- VB21S I -B36 3.6mm, Indoor
- [Lens option] 2.45/2.9/4.3/6/8/12/16mm
- VB21S I -P37P 3.7mm Peak pinhole
- [Lens option] 2.8mm/5.0mm
- VB21S I -P37C 3.7mm Cone pinhole
- [Lens option] 2.8mm/5.0mm

Miniature camera



VQ33S II

- Digital DN
- 12VDC
- Model optionalable
- VQ33S II -W36 3.6mm IP 66 Weatherproof
- [Lens option] 2.9/4.3/6/8/12/16mm
- VQ33S II -VF 2.8-12mm
- [Lens option] 5-50mm
- VQ33S II -B36 3.6mm, Indoor
- [Lens option] 2.45/2.9/6/8/12/16mm
- VQ33S II -P37P 3.7mm Peak Pinhole
- [Lens option] 2.8mm/ 5.0mm

Effio-E 650TVL(700TVL) High Quality camera

Analog

Key features

- 1/3" Sony 960H Ex-view HAD CCD II
- 650TVL(D)/ 700TVL(N)
- New Color Signal Processing for High Color Reproduction
- 2D DNR(Digital Noise Reduction)
- ATR(Adaptive Tone-curve Reproduction)
- Diverse White Balance (ATW, Push, User 1/2, Anti CR, Manual, Push Lock)
- Highlight Compensation
- Dynamic and Static White Blemish Compensation
- Privacy Mosaic
- RS-485 Interface(Pelco-D Protocol) – Option
- OSD Control key(Optional)
- Multi-Lingual OSD(English, German, French, Russian, Portuguese, Spanish, Japanese)
- Intelligent IR Image Compensation

Family Designed Night Vision Outdoor camera



VN7XEH

- 2.8-12mm:40m IR Beam Distance
- 5-50mm :50m R Beam Distance
- True DN(ICR)
- External Focus Adjustment
- Cable managed bracket
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC
- Heater option
- VN7XEH-HT



VN6XEH

- 30m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- [Lens option] Digital DN 3,6/4,3/6/8mm
- External Focus Adjustment
- Cable managed bracket
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC
- Heater option
- VN6XEH-HT



VN5XEH

- 15m IR Beam Distance
- 2,9/3,6/4,3/6/8mm
- Digital DN
- Cable managed bracket
- IP 67 Weatherproof
- 12VDC



VN701EH-VFA

- 2.8-12mm:40m IR Beam Distance
- 5-50mm :50m IR Beam Distance
- True DN(ICR)
- External Focus Adjustment
- Cable managed bracket
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VN60EH-VFIR

- 20m IR Beam Distance
- 4-9mm/9-22mm
- True DN(ICR)
- External Focus Adjustment
- IP 67 Weatherproof
- 12VDC



VN55EH

- 30m IR Beam Distance
- 3,6mm/4,3mm/6mm/8mm
- Digital DN
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC



VB60EH-VF

- 4-9mm/9-22mm
- Digital DN
- External Focus Adjustment
- IP 67 Weatherproof
- 12VDC

SuperDome camera



VDA110EH-VFADN

- 3,3-12mm/ 7,5-50mm
- True DN(ICR)
- Separatable camera set
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VDA110EH-VFAIR

- 30m IR Beam Distance
- 3,3-12mm
- True DN(ICR)
- Extra video out
- Separatable camera set
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VDA140EH-VFA12DN

- 3,3-12mm
- True DN(ICR)
- Extra video out
- Tool-free all directional mount
- IP 66 Weatherproof
- Surface/Flush mount compatible
- 12VDC/24VAC



VDA140EH-VFA12IR

- 20m IR Beam Distance
- 3,3-12mm
- True DN(ICR)
- Extra video out
- Tool-free all directional mount
- IP 66 Weatherproof
- Surface/Flush mount compatible
- 12VDC/24VAC



VDS120EH-VFA12

- 3,3-12mm
- Digital DN
- Extra video out
- Tool-free 3-Axis
- RS-485 Interface
- 12VDC/24VAC



VDA111EH-VFA12

- 3,3-12mm
- Digital DN
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- RS-485 Interface
- 12VDC/24VAC



VDA100EH-VFA

- 2.8-12mm
- Digital DN
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VDA100EH-VFAIR

- 30m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- RS-485 Interface
- 12VDC, 12VDC/24VAC

Indoor Dome camera



VD101EH-VFA12

- 2.8-12mm
- Digital DN
- Extra video out
- 3-Axis
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VD101EH-VFA12IR

- 30m IR Beam Distance
- 2.8-12mm
- True DN(ICR)
- Extra video out
- 3-Axis
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VD95EH-B36

- 3,6mm
- Digital DN
- Lens option 4,3/6/8mm
- Model Optionable
- VD95EH-VFA 4-9mm
- Digital DN
- 12VDC



VD95EH-B36IR

- 20m IR Beam Distance
- 3,6mm
- Digital DN
- [Lens option] 4,3/6/8mm
- 12VDC



VD70EH-36IR

- 15m IR Beam Distance
- 3,6mm
- [Lens option] 2,9/4,3/6/8mm
- All directional mount
- IP 66 Weatherproof
- 12VDC



VD70EH-S

- 2,45/2,9/3,6/4,3/6mm
- Tool-free all directional mount
- IP 66 Weatherproof
- Surface mount
- 12VDC



VD70EH-F

- 2,45/2,9/3,6/4,3/6mm
- Tool-free all directional mount
- IP 66 Weatherproof
- Flush mount
- 12VDC

Super Mini Dome camera



VDA30EH

- 3,6mm
- Digital Day & Night
- 3-Axis(All directional mount)
- IP 66 Weatherproof
- DC7V~18V Power Input



VDA30EH-IR

- 10m IR Beam Distance
- 3,7mm Pinhole lens
- Digital Day & Night
- Smart IR Image Compensation
- 3-Axis(All directional mount)
- IP 66 Weatherproof
- DC7V~18V Power Input



VC56EH

- Digital DN
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VC58EH

- True DN(ICR)
- RS-485 Interface
- 12VDC, 12VDC/24VAC



VB30EH-VF

- 3,5-16mm/F1,2
- Digital DN
- External Focus Adj.
- IP 67 Weatherproof
- 12VDC



VB21EH

- Digital DN
- 12VDC
- Model optionable
- VB21EH-H36 3,6mm Sunshield(Clip)
- VB21EH-R36 3,6mm Sunshield(Screw)
- IP 67 Weatherproof
- [Lens option] 4,3/6/8/12/16mm
- VB21EH-B36 3,6mm, Indoor
- [Lens option] 2,45/2,9/3,6/4,3/6/8/12/16mm
- VB21EH-P37P 3,7mm Peak pinhole
- VB21EH-P37C 3,7mm Cone pinhole
- [Lens option] 2,8mm/5,0mm



VQ33EH

- Digital DN
- 12VDC
- Model optionable
- VQ33EH-H36 3,6mm, IP 66
- [Lens option] 2,9/4,3/6/8/12/16mm
- VQ33EH-VF 2,8-12mm
- [Lens option] 5-50mm
- VQ33EH-B36 3,6mm, Indoor
- [Lens option] 2,45/2,9/3,6/4,3/6/8/12/16mm
- VQ33EH-P37P 3,7mm Peak Pinhole
- VQ33EH-P37C 3,7mm Peak Pinhole
- [Lens option] 2,8mm/5,0mm



VM32EH/VM38EH/VM42EH

- Digital DN
- 12VDC
- Model optionable
- VM32EH 32x32mm
- VM38EH 38x38mm
- VM42EH 42x42mm
- Lens option
- Board : 2,45/2,9/3,6/4,3/6/8/12/16mm
- Pinhole : 2,8/3,7/5,0mm Peak type
- 2,8/3,7/5,0mm Cone type
- 2,8/3,7/5,0mm Flat type
- Vertical : 2.8-12mm/ 5-50mm

Box camera

Super Mini Dome camera

Box camera

Bullet camera

Miniature camera

Board camera

Special cameras

Analog

Super Night Vision camera



VA102E-VL60

- 120m IR Beam Distance
- Fan/Heater - Option
- VA102E-VL60HT



VA102E-VL60W

- 100m Visible Range(IR + White LED)
- White LED activation when Motion or Face is detected
- Fan/Heater-Option VA102E-VL60WHT



VA372WD-VL60

- Optical x37, Digital x12
- 120m IR Beam Distance
- Fan/Heater - Option
- VA372WD-VL60HT



VA332WD-VL60

- Optical x33, Digital x12
- 120m IR Beam Distance
- Fan/Heater - Option
- VA332WD-VL60HT



VN7XLP

- 1/3" Sony Super HAD CCD II
- 600TVL(D) / 650TVL(N)
- 5~50mm lens, Up to 20m capture
- 1/1600 sec, or 1/5000 sec, Shutter Speed Control
- Capture plates from vehicles moving up to 50Km
- True DN(ICR)
- Cable managed bracket
- IP 67 Weatherproof
- 12VDC/24VAC
- Heater Option



VN70LP

- 1/3" Sony BX EW-view CCD
- 600TVL(EIA) / 580TVL(CCR)
- Capture plates from vehicles moving up to 50Km
- Cable managed bracket
- IP 67 Weatherproof
- 24VDC/24VAC
- 24VDC/1.9A Power Adaptor Inclusion
- [Model Optional]
- VN70LP-16 16mm lens, Up to 10m capture
- VN70LP-35 35mm lens, Up to 20m capture



VR100CNH

- 1/3" Super Sensitive CCD
- 520TVL(D) / 560TVL(N)
- Digital DN - 10M IR Beam Distance
- Mirror Image on/off selectable
- Front view, Inside view, Rear view, Side view(Left/Right) by Factory Default
- Camera angle adjustable(Max. 30 deg.)
- Vibration free
- IP 67 Weatherproof
- 12VDC(Tot. 8VDC ~ 19VDC)
- Audio with C-Mic/ Indoor
- VR100CNHA

- 7.5~50mm CS-Mount Lens/F1.3
- Extra video out
- Cable managed bracket
- 24VDC/1.9A Power Adaptor Inclusion

- True DN(ICR)
- IP 66 Weatherproof
- Intelligent IR Image Compensation

- 1/4" Sony Double Scan CCD
- Real WDR
- RS-485 Interface(Pelco-D Protocol)
- 3D DNR(Digital Noise Reduction)
- Sens-up(x2 ~ x256)

- 550TVL(D) / 680TVL(N)
- True DN(ICR)
- IP 66 Weatherproof
- 24VDC/1.9A Power Adaptor Inclusion

Night Vision camera



VN300HB/HBH

- VN300HB
- 400TVL(D)/420TVL(N)
- VN300HBH
- 600TVL(D)/650TVL(N)
- 3.6mm - 2DNR
- 50m IR Beam Distance
- Intelligent IR Image Compensation
- Extra video out
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN310HB/HBH

- VN310HB
- 400TVL(D)/420TVL(N)
- VN310HBH
- 600TVL(D)/650TVL(N)
- 2.8~12mm - 2DNR
- 35m IR Beam Distance
- Intelligent IR Image Compensation
- True DN(ICR)
- Extra video out
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN200HB/HBH

- VN200HB
- 400TVL(D)/420TVL(N)
- VN200HBH
- 600TVL(D)/650TVL(N)
- 3.6mm - 2DNR
- 30m IR Beam Distance
- Intelligent IR Image Compensation
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN210HB/HBH

- VN210HB
- 400TVL(D)/420TVL(N)
- VN210HBH
- 600TVL(D)/650TVL(N)
- 2.8~12mm - 2DNR
- 20m IR Beam Distance
- Intelligent IR Image Compensation
- True DN(ICR)
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



VN5XHBH

- 600TVL(D)/650TVL(N)
- 3.6mm
- 15m IR Beam Distance
- 12VDC



VD102HB/HBH

- VD102HB
- 400TVL(D)/420TVL(N)
- VD102HBH
- 600TVL(D)/650TVL(N)
- 2.8~12mm - 2DNR
- 3-Axis(All directional mount)
- Extra video out
- RS-485 Interface (Pelco-D Protocol)
- 12VDC



VD102HB/HBH-IR

- VD102HB-IR
- 400TVL(D)/420TVL(N)
- VD102HBH-IR
- 600TVL(D)/650TVL(N)
- 2.8~12mm - 2DNR
- 30m IR Beam Distance
- Intelligent IR Image Compensation
- True DN(ICR)
- 3-Axis(All directional mount)
- Extra video out
- RS-485 Interface(Pelco-D Protocol)
- 12VDC

Night Vision camera



VN100PN

- 600TVL(D)/620TVL(N)
- 3.6mm
- 20m IR Beam Distance
- Intelligent IR Image Compensation
- IP 67 Weatherproof
- 12VDC



VN101PN

- 600TVL(D)/620TVL(N)
- 3.6mm
- 20m IR Beam Distance
- Intelligent IR Image Compensation
- Cable managed bracket
- IP 67 Weatherproof
- 12VDC



VD80PN

- 600TVL(D)/620TVL(N)
- 3.6mm
- Tool-free
- all directional mount
- 12VDC



VD80PN-IR

- 600TVL(D)/620TVL(N)
- 3.6mm
- 20m IR Beam Distance
- Intelligent IR Image Compensation
- Tool-free
- all directional mount
- 12VDC



VDA50PW

- 1/3" CMOS & ISP
- 600TVL(D)/620TVL(N)
- 2.5mm
- WDR
- 2D DNR
- Tool-free
- all directional mount
- IP 67 Weatherproof
- 12VDC



VDA30PW

- 1/3" CMOS & ISP
- 600TVL(D)/620TVL(N)
- 3.6mm
- WDR
- 2D DNR
- Tool-free
- all directional mount
- IP 66 Weatherproof
- 12VDC



VDA30PW-IR

- 1/3" CMOS & ISP
- 600TVL(D)/620TVL(N)
- 3.6mm
- 10m IR Beam Distance
- WDR
- 2D DNR
- Tool-free
- all directional mount
- IP 66 Weatherproof
- 12VDC

Seawolf Real WDR Progressive camera

Analog

Key features

- 1/3" Pixim WDR Digital Image device
- Progressive Scan(50fps/60fps)
- 690 HTVL Effective
- 2D/3D DNR(Digital Noise Reduction)
- Min. Illumination of 0.1Lux(DSS off)
- DSS(Digital Slow Shutter)/ Max, x32
- Real WDR(Wide Dynamic Range)/ Max, 120dB
- Digital Zoom(x8/Pan, Tilt)
- Privacy Zone(6 zones)
- RS-485 Interface(Pelco-D Protocol)

Night Vision camera



VN320D88

- 30m IR Beam Distance
- 2.8~12mm
- True DN(ICR)
- Extra video out
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC/24VAC



VN220D88

- 20m IR Beam Distance
- 2.8~12mm
- True DN(ICR)
- Extra video out
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC/24VAC



VDS120D88-VFA12DN

- 3.3~12mm
- True DN(ICR)
- Extra video out
- Tool-free 3-Axis
- 12VDC/24VAC



VDA111D88-VFA12DN

- 3.3~12mm
- True DN(ICR)
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- 12VDC/24VAC



VD70D88-S

- 3.6/4.3/6mm
- Tool-free
- all directional mount
- IP 66 Weatherproof
- Surface mount
- 12VDC



VD70D88-F

- 3.6/4.3/6mm
- Tool-free
- all directional mount
- IP 66 Weatherproof
- Flush mount
- 12VDC



VC57D88

- True DN(ICR)
- Flange-back focus adjustment
- 12VDC, 12VDC/24VAC



VC58D88

- True DN(ICR)
- Flange-back focus adjustment
- 12VDC, 12VDC/24VAC



VM32D88/VM42D88

- Digital DN
- 12VDC
- Model optional
- VM32D88 32x32mm
- VM42D88 42x42mm
- Lens option
- Board : 2.45/2.9/3.6/4.3/6/8/12/16mm
- Vertical : 2.8~12mm/ 5~50mm

Speed Dome camera

Analog

33x, 37x Optical zoom

Mini Speed Dome



Indoor



Outdoor

- 550TVL(D)/ 680TVL(N)
- Min. Illumination : 0.4Lux(Color, Sens-up off), 0.02Lux(B/W)
- True DN(ICR)
- DNR(Digital Noise Reduction)
- Sens-up
- Pan/Tilt angle : Pan 360° (400°/sec.), Tilt -3° ~ 180° (400°/sec.)
- 128 Presets & a various automatic surveillance
- Intelligent & Precise mechanism
- Sensor Input(x2)/ Output(x1)
- RS-485 Interface(Pelco D/P Protocol)
- 24VAC

[Outdoor option]

- Fan/Heater
- IP 66 Weatherproof



VPD120

- 1/4" Sony Ex-view HAD PS CCD
- Optical 12x, Digital 12x
- Auto Focus
- 650TVL(D)/700TVL(N)
- WDR
- 2D/3D DNR
- Pan 360° (300°/sec.), Tilt -3~180° (300°/sec.)
- 12VDC, 12VDC/24VAC

- VPD330 - I 1/4" Sony Double Scan CCD, Optical 33x, Digital 12x, WDR, Indoor
- VPD370 - I 1/4" Sony Double Scan CCD, Optical 37x, Digital 12x, WDR, Indoor

- VPD330 - O 1/4" Sony Double Scan CCD, Optical 33x, Digital 12x, WDR, Outdoor
- VPD370 - O 1/4" Sony Double Scan CCD, Optical 37x, Digital 12x, WDR, Outdoor

DVR

Economy

Image	Item Nr.	O/S	Video	Audio	HDD	Loop out	Spot out	Jog	DVD R/W	Resolution(H,264)	Event	Power
	VH0430E	Embedded Linux	4CH, H_264/M-JPEG	1CH(Input)/1CH(Output)	1 x Int. SATA	N.A.	N.A.	N.A.	N.A.	NTSC : 120fps@CIF, 60fps@HD1, 30fps@D1 PAL : 100fps@CIF, 50fps@HD1, 25fps@D1	N.A	DC12V/3A
	VH0830E	Embedded Linux	8CH, H_264/M-JPEG	1CH(Input)/1CH(Output)	1 x Int. SATA	N.A.	N.A.	N.A.	N.A.	NTSC : 240fps@CIF, 120fps@HD1, 60fps@D1 PAL : 200fps@CIF, 100fps@HD1, 50fps@D1	N.A	DC12V/3A

Special

Image	Item Nr.	O/S	Video	Audio	HDD	Loop out	Spot out	Jog	DVD R/W	Resolution(H,264)	Event	Power
	VH0460S	Embedded Linux	4CH, H_264/M-JPEG	1CH(Input)/1CH(Output)	2(1) x Int. SATA	N.A.	Yes	N.A.	Yes (Option)	NTSC : 120fps@CIF, 120fps@HD1, 60fps@D1 PAL : 100fps@CIF, 100fps@HD1, 50fps@D1	4CH Alarm In & 1CH Alarm Out	DC12V/5A
	VH0860S	Embedded Linux	8CH, H_264/M-JPEG	1CH(Input)/1CH(Output)	2(1) x Int. SATA	N.A.	Yes	N.A.	Yes (Option)	NTSC : 240fps@CIF, 120fps@HD1, 60fps@D1 PAL : 200fps@CIF, 100fps@HD1, 50fps@D1	4CH Alarm In & 1CH Alarm Out	DC12V/5A
	VH1660S	Embedded Linux	16CH, H_264/M-JPEG	1CH(Input)/1CH(Output)	2(1) x Int. SATA	N.A.	Yes	N.A.	Yes (Option)	NTSC : 240fps@CIF, 120fps@HD1, 60fps@D1 PAL : 200fps@CIF, 100fps@HD1, 50fps@D1	4CH Alarm In & 1CH Alarm Out	DC12V/5A

Professional

Image	Item Nr.	O/S	Video	Audio	HDD	Loop out	Spot out	Jog	DVD R/W	Resolution(H,264)	Event	Power
	VH04120P	Embedded Linux	4CH, H_264/M-JPEG	4CH(Input)/1CH(Output)	4(3) x Int. SATA	Yes	Yes	Yes	Yes (Option)	NTSC : 120fps@CIF, 120fps@HD1, 120fps@D1 PAL : 100fps@CIF, 100fps@HD1, 100fps@D1	4CH Alarm In & 4CH Alarm Out	DC12V/7A
	VH08240P	Embedded Linux	8CH, H_264/M-JPEG	4CH(Input)/1CH(Output)	4(3) x Int. SATA	Yes	Yes	Yes	Yes (Option)	NTSC : 240fps@CIF, 240fps@HD1, 240fps@D1 PAL : 200fps@CIF, 200fps@HD1, 200fps@D1	8CH Alarm In & 4CH Alarm Out	DC12V/7A
	VH16480P	Embedded Linux	16CH, H_264/M-JPEG	8CH(Input)/1CH(Output)	4(3) x Int. SATA	Yes	Yes	Yes	Yes (Option)	NTSC : 480fps@CIF, 480fps@HD1, 480fps@D1 PAL : 400fps@CIF, 400fps@HD1, 400fps@D1	16CH Alarm In & 4CH Alarm Out	DC12V/7A

CMS Enterprise-Level Central Management Software

MMS Mobile-Viewer Live Monitoring & Playback

RMS 16 Channel Remote Management Software

- Max. 180 Channel Real-Time Monitoring
- Up to 5 Monitors on a Single P/C Workstation
- Cloning Features to Create a Separate Window
- Multi-Layer E-Map Editor
- Auto Network Connection & Instant Recording
- Scheduled Remote Backup

O/S	Maker	Smart Phone
Windows Mobile	Microsoft	Windows Mobile O/S Phone
Black Berry	RIM	Black Berry Phone
Symbian	Nokia	Nokia Phone
iPhone	Apple	iPhone
Android	Google	Google Android O/S Phone

- Live Monitoring
- VOD Playback
- PTZ Control