

# *Vision Security Systems*



- High Res CCTV
- Megapixel IP
- HD CCTV



# IP Camera



## Key features

- Video Compression : H,264, MJPEG
- Resolution & Frame rate  
Full HD(1920 x 1080) : H,264 – 15fps/Full HD, MJPEG – 15 fps/VGA  
HD(1280 x 720) : H,264 – 30fps/HD, MJPEG – 15fps/VGA  
D1(720x480/720x586) : H,264 – 30/25fps/D1, MJPEG – 30/25fps/D1
- Multi Streaming : H,264 + MJPEG
- 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

### Super Night Vision



**VN7XSM3i**  
3MP/Full HD

**VN7XSMi**  
1,3MP/HD, 12 x Motorized

**VN7XEHi**  
D1, 2,8–12mm, 5–50mm

- 50M IR Beam Distance
- True DN(ICR)
- DNR(Digital Noise Reduction)
- Digital zoom & Privacy masking
- 10/100 Base-T(RJ-45)
- Cable managed bracket
- IP 67 Weatherproof · 12VDC/PoE

### Super Dome camera



**VDA110SM3i**  
3MP/Full HD

**VDA110SMi**  
1,3MP/HD, 3,5–16mm

**VDA110EHi**  
D1, 3,3–12mm

- True DN(ICR)
- DNR(Digital Noise Reduction)
- Digital zoom & Privacy masking
- 10/100 Base-T(RJ-45)
- Tool-Free 3-Axis
- IP 66 Weatherproof
- 12VDC/PoE



**VDA110SM3i-IR**  
3MP/Full HD

**VDA110SMi-IR**  
1,3MP/HD, 3,5–16mm

**VDA110EHi-IR**  
D1, 3,3–12mm

- 30M IR Beam Distance
- True DN(ICR)
- DNR(Digital Noise Reduction)
- Digital zoom & Privacy masking
- 10/100 Base-T(RJ-45)
- Tool-Free 3-Axis
- IP 66 Weatherproof · 12VDC/PoE

### Indoor Dome camera



**VD101SMi**  
1,3MP/HD, 3,7mm



**VD101SMi-IR**  
1,3MP/HD, 3,7mm

- DNR(Digital Noise Reduction)
- Digital zoom & Privacy masking
- 3-Axis
- 12VDC

- 30M IR Beam Distance
- DNR(Digital Noise Reduction)
- Digital zoom & Privacy masking
- 3-Axis
- 12VDC

### Night Vision



**VN6XSMi**  
1,3MP/HD, 3,7mm

**VN6XEHi**  
D1, 2,8–12mm

- 30M IR Beam Distance
- DNR(Digital Noise Reduction)
- Digital zoom & Privacy masking
- 10/100 Base-T(RJ-45)
- Cable managed bracket
- IP 67 Weatherproof · 12VDC/PoE

### Box camera



**VC58SM3i** 3MP/Full HD

**VC58SMi** 1,3MP/HD

**VC58EHi** D1

- True DN(ICR)
- DNR(Digital Noise Reduction)
- Digital zoom & Privacy masking
- Duplex Two-way Audio
- 10/100 Base-T(RJ-45)
- SD Card Slot
- 12VDC/PoE

### Speed Dome camera



Indoor



Outdoor

**VPD270i-I**

**VPD270i-O**

**VPD330i-I**

**VPD330i-O**

**VPD370i-I**

**VPD370i-O**

- D1, Optical 27x, Digital 12x, Indoor
- D1, Optical 27x Digital 12x, Outdoor
- D1, Optical 33x, Digital 12x, WDR, Indoor
- D1, Optical 33x, Digital 12x, WDR, Outdoor
- D1, Optical 37x, Digital 12x, WDR, Indoor
- D1, Optical 37x, Digital 12x, WDR, Outdoor

- 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° (500°/sec.), Tilt -4° ~ 184° (500°/sec.)
- 128 Presets & a various automatic surveillance
- Intelligent & Precise mechanism
- Sensor Input(x1)/ Output(x1)
- RS-485 Interface(Pelco D/P Protocol)
- 24VAC

- [Outdoor option]
- Fan/Heater
  - IP 66 Weatherproof

### Network Video Server



**NVS102**

- Dual Streaming : H,264 and M-JPEG
- 30 fps/ D1
- Pre- and post-alarm image/video buffering
- Event-triggered FTP and email transfer
- Full Duplex Two-Way Audio Support
- Support PTZ control (Pelco-D/P)
- Digital PTZ
- SD/SDHC Card Slot
- 1 Port analog video loop-out port
- I/O port support
- Supports CBR and VBR mode
- PoE : IEEE 802.3
- 50 user connections simultaneously
- HTTPS supported
- (Hyper Text Transfer Protocol Secured)
- Integrated E-Mail, FTP, DDNS and DHCP client
- Extensive CGI API
- Web CMS and NVR software up to 16 CH

# 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)
- Digitally transmitted HDTV signal
- Standard HD-SDI video interface  
HD : SMPTE 292M / Full HD : SMPTE 424M
- HD Video Transmission up to 100M with RG59 coaxial cable
- Repeater for 100M Extension
- Plug-and-Play resolution upgrade for regular CCTV with coaxial cable
- Diverse Video Output : CVBS(Composite), HD-SDI

### Night Vision camera



**VN7XHD** 720p(50/60fps)  
**VN7XFHD** 1080p(25/30fps)

- 12x Motorized MegaPixel Lens
- 50M IR Beam Distance
- True DN(ICR)
- DNR (Digital Noise Reduction)
- Privacy masking
- RS-485 Interface
- Cable managed bracket
- IP 67 Weatherproof
- 12VDC

### SuperDome camera



**VDA110HD-DN** 720p(50/60fps)  
**VDA110FHD-DN** 1080p(25/30fps)

- Varifocal MegaPixel Lens
- True DN(ICR)
- DNR (Digital Noise Reduction)
- Privacy masking
- RS-485 Interface
- Tool-free 3-Axis
- IP 66 Weatherproof
- 12VDC



**VDA110HD-IR** 720p(50/60fps)  
**VDA110FHD-IR** 1080p(25/30fps)

- Varifocal MegaPixel Lens
- 30M IR Beam Distance
- True DN(ICR)
- DNR (Digital Noise Reduction)
- Privacy masking
- RS-485 Interface
- Tool-free 3-Axis
- IP 66 Weatherproof
- 12VDC

### Box camera



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

- True DN(ICR)
- DNR(Digital Noise Reduction)
- Privacy masking
- RS-485 Interface
- 12VDC

# HD DVR

## VHD400



## VHD400S



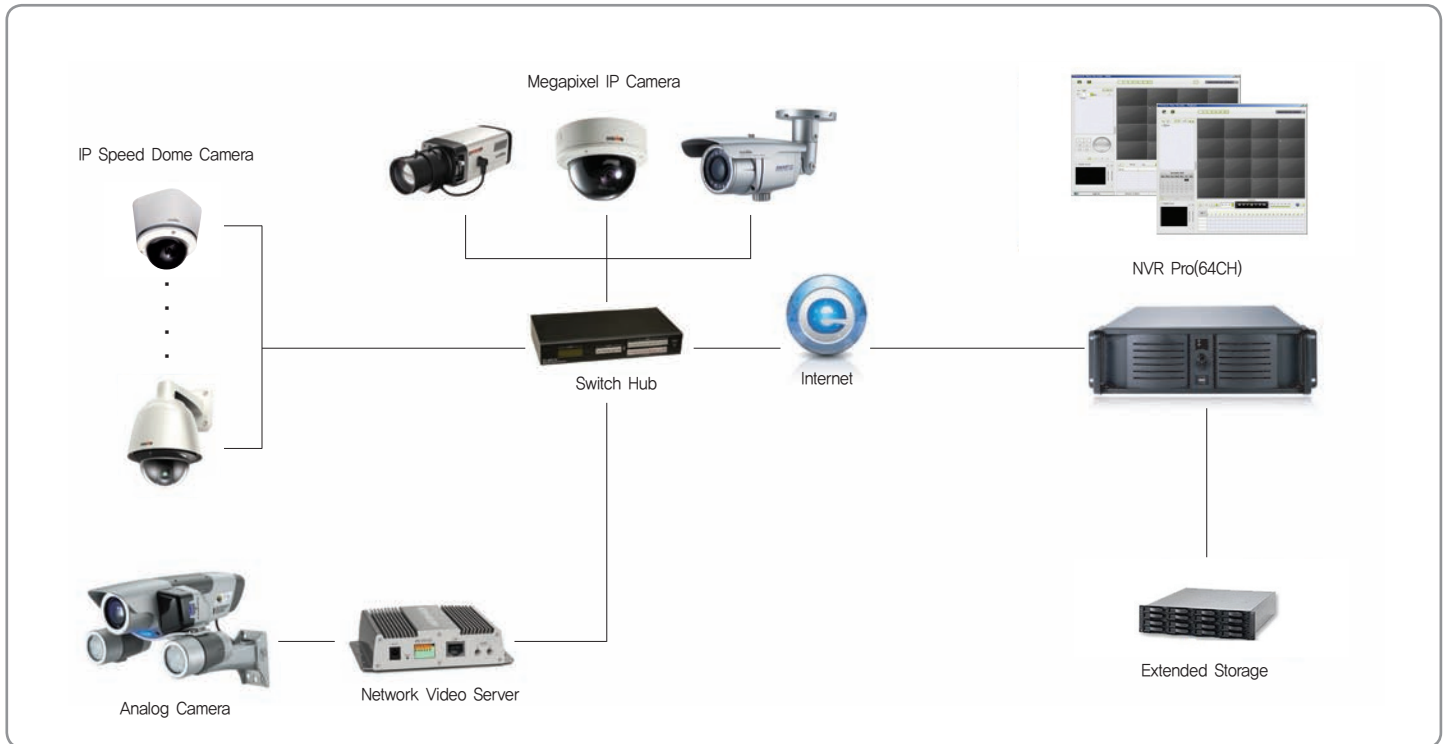
Model no.		VHD400 / VHD400S	
<b>GENERAL</b>			
Performance	Pentaplex		
Display speed	Real time		
Record speed	1080p	30 fps	
	720p	60 fps	
Video In	Channel	4CH (BNC)	
	Transmission	HD-SDI (SMPTE 292M)	
Video Out	Main display	HDMI	
	Main display resolution	1920x1080(P), 1920x1080(I), 1280x720(P), 1440x900	
	Sub-display	1 VGA	
Audio	Input / Output	4 / 1	
Sensor / Alarm	Input / Output	4 / 1	

<b>DETAILS</b>		
Screen	Display split	1, 4
	Interface	Graphic User Interface
Video	Codec	H.264
	Image quality	Highest / High / Normal / Low
	Recording type	Schedule / Continuous / Event (Motion, Alarm)
Storage	HDD	Max. 12TB (3TB x 4 HDDs) or above
Connectors	USB PORT/ RS-485	2 USB Port / PTZ camera, PTZ controller interface

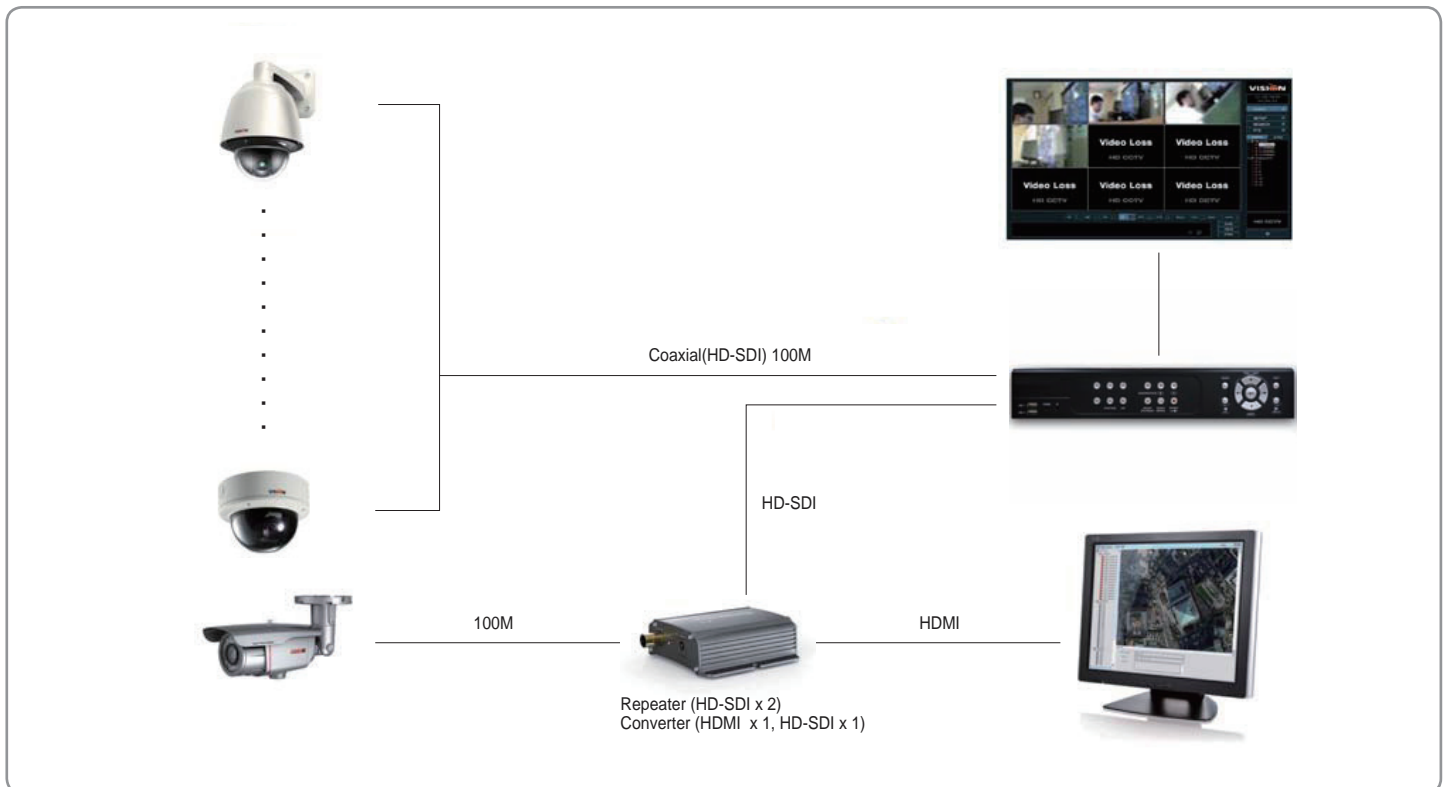
<b>ENVIRONMENT</b>	
Operating Temperature / Humidity	0~45° C, 32~113°F / 5~85%
Dimension / Weight (without HDD)	440(W) X 430(D) X 90(H)mm / 7 kg, 17.3(W) x 16.9(D) x 3.5(H)in / 15.4 lb
Power requirement	AC 100V - 220V (50Hz-60Hz)

<b>FUNCTIONS</b>		
Camera option		Color adjustment / Position change / Freeze / 4X digital zoom (live / playback)
Motion	Area	Adjustable GRID (22 x 15)
	Sensitivity	5 level motion detection
System	Hidden camera	Hidden camera during recording
	PTZ	Various PTZ camera protocol / Preset up to 255 / RS 485
	Private zone	Blocking the private zone (live / playback)
	Auto Time Sync	NTP(Network Time Protocol)
	Firmware update	USB / Network
Event	S.M.A.R.T.	Auto detect when HDD's problem
	Source	Motion / Sensor / Video loss
	Action	Recording, E-Mail, Log, Send message to remote, Buzzer, Pop up, Alarm, PTZ preset
Record	Pre/Post recording	Up to 60sec / 100sec
	Resolution	1080p or 720p
Search & Playback	Quality	4 levels (Highest / High / Normal / Low)
	Speed	5 levels
	Quick / Event search	Search by designated time / Search by event
	Repeat playback	Playback repeating designated time section only
	Panorama search	Searching frame by frame(by every 16/9/4 frames at once)
	Event chain playback	Search only event and playback without interval
	Dual mode function	Live monitoring during palyback
Backup	File format	DVR format
	Media	DVD / USB device / Network
Network	Type	Static IP, DHCP, DDNS
	Base-T	10/100/1000 Mbps
	Browser	CMS, Web viewer, Smart phone support(iPhone, Android, iPad)

# IP System Diagram



# HD CCTV System Diagram



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## Distributed by

# WideLux

Analog

## Key features

- 1/3" Sony Super HAD CCD II
- Real Wide Dynamic(WDR)
- 600TVL(D)/ 650TVL(N)
- Super Low Light Performance with Single Scan CCD
- 2D/3D DNR(Digital Noise Reduction)
- Sens-up(Off/ x2 ~ x512)
- Motion Detection(8 zones)
- Privacy Masking(8 zones)
- Digital Zoom(Off, x1 ~ x8,3)
- DIS(Digital Image Stabilizer)
- Highlight Eclipse
- RS-485 Interface(Pelco-D Protocol)
- OSD Control key(Optional)
- Multi-Lingual OSD(English, German, French, Russian, Spanish)
- Intelligent IR Image Compensation

### Super Night Vision Outdoor camera



**VN80S-VFA**

- 70M IR Beam Distance
- 4-9mm/9-22mm/5-50mm
- True DN(ICR)
- External Focus Adj.
- Cable managed bracket
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



**VN70 II S-VFA**

- 50M IR Beam Distance
- 2,8-12mm/5-50mm
- True DN(ICR)
- External Focus Adj.
- Cable managed bracket
- IP 67 Weatherproof
- 12VDC, 12VDC/24VAC



**VN60S-VFIR**

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



**VN55S**

- 30M IR Beam Distance
- 2,9mm/3,6mm/4,3mm/6mm/8mm
- Digital DN
- External Focus Adj.
- IP 67 Weatherproof
- 12VDC



**VB60S-VF**

- 4-9mm/9-22mm
- True DN(ICR)
- External Focus Adj.
- IP 67 Weatherproof
- 12VDC

### SuperDome camera



**VDA110S-VFADN**

- 2,8-12mm / 7,5-50mm
- True DN(ICR)
- Separatable camera set
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- 12VDC, 12VDC/24VAC



**VDA110S-VFAIR**

- 30m IR Beam Distance
- 2,8-12mm
- True DN(ICR)
- Separatable camera set
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- 12VDC, 12VDC/24VAC



**VDA140S-VFA12DN**

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



**VDA140S-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



**VD70S-36IR**

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



**VD70S-S29**

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



**VD70S-F29**

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

### Ultra Slim Dome camera



**VDS120S-VFA12DN**

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



**VDA111S-VFA12DN**

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



**VD101S-VFA12DN**

- 2,8-12mm
- True DN(ICR)
- Lens option(Digital DN)
- 2,9/3,6/4,3/6/8mm
- Extra video out
- 3-Axis
- 12VDC, 12VDC/24VAC



**VD101S-VFA12IR**

- 30M IR Beam Distance
- 2,8-12mm
- True DN(ICR)
- Lens option(Digital DN)
- 2,9/3,6/4,3/6/8mm
- Extra video out
- 3-Axis
- 12VDC, 12VDC/24VAC



**VC58S**

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



**VC56S**

- Digital DN
- 12VDC, 12VDC/24VAC



**VC34S**

- Digital DN
- 12VDC

### Bullet camera



**VB30S-HVF**

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



**VB21S**

- Digital DN
- 12VDC
- Model optional
- VB21S-H36 3,6mm / Sunshield(Clip on type)
- VB21S-R36 3,6mm / Sunshield(Screw on type)
- IP 67 Weatherproof
- [Lens option] 4,3/6/8/12/16mm
- VB21S-B36 3,6mm, Indoor
- [Lens option] 2,45/2,9/4,3/6/8/12/16mm
- VB21S-P37P 3,7mm Peak pinhole
- [Lens option] 2,8mm/5,0mm
- VB21S-P37C 3,7mm Cone pinhole
- [Lens option] 2,8mm/5,0mm



**VS27S**

- Digital DN
- IP 67 Weatherproof
- 12VDC
- Model optional
- VS27S-W36 3,6mm
- [Lens option]
- 2,9/4,3/6/8/12/16mm
- VS27S-R36 3,6mm, Sunshield
- [Lens option]
- 4,3/6/8/12/16mm



**VQ33S**

- Digital DN
- 12VDC
- Model optional
- VQ33S-W36 3,6mm IP 66 Weatherproof
- [Lens option] 2,9/4,3/6/8/12/16mm
- VQ33S-VFA 2,8-12mm DC Iris
- [Lens option] 5-50mm DC Iris
- VQ33S-B36 3,6mm, Indoor
- [Lens option] 2,45/2,9/6/8/12/16mm
- VQ33S-P37P 3,7mm Peak Pinhole
- [Lens option] 2,8mm/ 5,0mm

### Board camera



**VM32S/ VM38S/ VM42S**

- Digital DN
- 12VDC
- Model optional
- VM32S 32x32mm
- VM38S 38x38mm
- VM42S 42x42mm
- Lens option
- Board : 2,8/2,9/3,6/4,3/6/8/12/16mm
- 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
- Varifocal : 2,8-12mm/ 5-50mm

# Effio-E

Analog

## Key features

- 1/3" Sony 960H Ex-view HAD CCD
- 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)
- 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

### Night Vision Outdoor camera

### Outdoor camera



**VN7XEH**

- 50M IR Beam Distance
- 2.8-12mm/5-50mm
- 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 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



**VN7011EH-VFA**

- 50M IR Beam Distance
- 2.8-12mm/5-50mm
- 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
- 2.9mm/3.6mm/4.3mm/6mm/8mm
- Digital DN
- IP 67 Weatherproof
- RS-485 Interface
- 12VDC



**VB60EH-VF**

- 4-9mm/9-22mm
- True DN(ICR)
- External Focus Adjustment
- IP 67 Weatherproof
- 12VDC

### SuperDome camera

### Magnetic Dome camera

### Ultra Slim Dome camera

### Box 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)
- 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-VFA12DN**

- 3.3-12mm
- True DN(ICR)
- Extra video out
- Tool-free 3-Axis
- RS-485 Interface
- 12VDC/24VAC



**VDA111EH-VFA12DN**

- 3.3-12mm
- True DN(ICR)
- Extra video out
- Tool-free 3-Axis
- IP 66 Weatherproof
- RS-485 Interface
- 12VDC/24VAC



**VC56EH**

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



**VC58EP**

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

### Indoor Dome camera

### Mini 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



**VD95EH-B36**

- 3.6mm
- Digital DN
- Lens option 2.9/4.3/6/8mm
- Model Optional VD95EH-VFA 4-9mm Digital DN
- RS-485 Interface
- 12VDC



**VD95EH-B36IR**

- 20M IR Beam Distance
- 3.6mm
- Digital DN [Lens option] 2.9/4.3/6/8mm
- RS-485 Interface
- 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-S29**

- 2.45/2.9/3.6/4.3/6mm
- Tool-free all directional mount
- IP 66 Weatherproof
- Surface mount
- 12VDC



**VD70EH-F29**

- 2.45/2.9/3.6/4.3/6mm
- Tool-free all directional mount
- IP 66 Weatherproof
- Flush mount
- 12VDC

### Bullet camera

### Miniature camera

### Board camera



**VB30EH-VF**

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



**VB21EH**

- Digital DN
- 12VDC
- Model optional VB21EH-H36 3.6mm Sunshield(Clip on type) VB21EH-R36 3.6mm Sunshield(Screw on type) IP 67 Weatherproof [Lens option] 4.3/6/8/12/16mm VB21EH-B36 3.6mm, Indoor [Lens option] 2.45/2.9/4.3/6/8/12/16mm VB21EH-P37P 3.7mm Peak pinhole VB21EH-P37C 3.7mm Cone pinhole [Lens option] 2.8mm/5.0mm



**VS27EH**

- Digital DN
- IP 67 Weatherproof
- 12VDC
- Model optional VS27EH-W36 3.6mm [Lens option] 2.9/4.3/6/8/12/16mm VS27EH-R36 Sunshield [Lens option] 4.3/6/8/12/16mm



**VQ33EH**

- Digital DN
- 12VDC
- Model optional VQ33EH-W36 3.6mm, IP 66 Weatherproof [Lens option] 2.9/4.3/6/8/12/16mm VQ33EH-VFA 2.8-12mm DC Iris [Lens option] 5-50mm DC Iris VQ33EH-B36 3.6mm, Indoor [Lens option] 2.45/2.9/6/8/12/16mm VQ33EH-P37P 3.7mm Peak Pinhole [Lens option] 2.8mm/ 5.0mm



**VM32EH / VM38EH / VM42EH**

- Digital DN
- 12VDC
- Model optional 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 Varifocal : 2.8-12mm/ 5-50mm

# Effio-P

Analog

## Indoor Dome camera

## Box camera

## Bullet camera

### Key features

- 1/3" Sony 960H Double Scan CCD
- 650TVL(D)/ 700TVL(N)
- 2D/3D DNR(Digital Noise Reduction)
- Real WDR(Wide Dynamic Range)
- Motion Detection
- Face Detection up to 4 People
- Privacy Mosaic
- Digital Zoom (x1.5 ~ x3)
- DSS(Digital Slow Shutter)
- RS-485 Interface(Pelco-D Protocol)



**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



**VC58EP**

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



**VB21EP**

- Digital DN
- 12VDC
- Model optionable
- VB21EP-H36 3.6mm Sunshield(Clip on type)
- VB21EP-R36 3.6mm Sunshield(Screw on type)
- IP 67 Weatherproof
- [Lens option] 4.3/6/8/12/16mm
- VB21EP-B36 3.6mm, Indoor
- [Lens option] 2.45/2.9/4.3/6/8/12/16mm
- VB21EP-F37P 3.7mm Peak pinhole
- VB21EP-P37C 3.7mm Cone pinhole
- [Lens option] 2.8mm/5.0mm

# Seawolf

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)

## Ultra Slim Dome camera

## Mini Dome camera

## Box camera

## Board camera



**VD120D88-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-S29**

- 2.45/2.9/3.6/4.3/6mm
- Tool-free all directional mount
- IP 66 Weatherproof
- Surface mount
- 12VDC



**VD70D88-F29**

- 2.45/2.9/3.6/4.3/6mm
- 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 optionable
- VM32D88 32x32mm
- VM42D88 42x42mm
- Lens option
- Board : 2.45/2.9/3.6/4.3/6/8/12/16mm
- Pinhole : 2.8/3.7/5.0mm Peak
- 2.8/3.7/5.0mm Cone
- 2.8/3.7/5.0mm Flat
- Vari focal : 2.8-12mm/ 5-50mm

# Special cameras

Analog

## Super Night Vision camera

## License Plate Capture camera

## Vehicle 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



**VN70LP**

- 1/3" Sony BW Ex-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 Optionable]
- 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(Tol. 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

## Indoor Dome camera



**VN701HBH**

- 600TVL(D)/650TVL(N)
- 3.6mm : 50m IR Beam Distance
- 2.8-12mm : 35m IR Beam Distance
- 12VDC



**VR601HBH**

- 600TVL(D)/650TVL(N)
- 3.6mm : 30m IR Beam Distance
- 2.8-12mm : 20m IR Beam Distance
- 12VDC



**VN5XHBH**

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



**VD95HBH-B36**

- 600TVL(D)/650TVL(N)
- 3.6mm
- Lens option
- 2.9/4.3/6/8mm
- 0.1Lux
- Model optionable
- VD95HBH-VFA 4-9mm
- 12VDC



**VD95HBH-B36IR**

- 600TVL(D)/650TVL(N)
- 3.6mm
- 20m IR Beam Distance
- Lens option
- 2.9/4.3/6/8mm
- 12VDC

# Speed Dome camera

Analog

27x, 33x, 37x



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° (500°/sec.), Tilt -4° ~ 184° (500°/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

- VPD270 - I 1/4" Sony Super HAD CCD, Optical 27x, Digital 12x, Indoor
- VPD270 - O 1/4" Sony Super HAD CCD, Optical 27x, Digital 12x, Outdoor
- VPD330WD - I 1/4" Sony Double Scan CCD, Optical 33x, Digital 12x, WDR, Indoor
- VPD330WD - O 1/4" Sony Double Scan CCD, Optical 33x, Digital 12x, WDR, Outdoor
- VPD370WD - I 1/4" Sony Double Scan CCD, Optical 37x, Digital 12x, WDR, Indoor
- VPD370WD - O 1/4" Sony Double Scan CCD, Optical 37x, Digital 12x, WDR, Outdoor

Mini Speed Dome



VPD100

- 1/4" Sony Double Scan CCD
- Optical 10x, Digital 10x
- 520TVL(D)/ 570TVL(N)
- True DN(ICR)
- DNR(Digital Noise Reduction)
- Pan/Tilt angle : Pan 360° (400°/sec.)  
Tilt 0° ~ 90° (400°/sec.)
- 128 Presets & a various automatic surveillance
- Intelligent & Precise mechanism
- Sensor Input(x4)
- RS-485 Interface(Pelco D/P Protocol)
- Surface/Flush mount compatible
- IP 66 Weatherproof
- 12VDC

## 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

- 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

**MMS** Mobile-Viewer Live Monitoring & Playback

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

**RMS** 16 Channel Remote Management Software

- Live Monitoring
- VOD Playback
- PTZ Control