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**2015 | CATALOGUE**

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## About Provision-ISR

Provision-ISR, an Israeli brand, was created to answer the need for reliable high quality CCTV products from all levels at competitive price alongside professional after-sales support and strong marketing. All from a company who understand the business of CCTV.

Quality products are assured from a team of expert Israeli engineers which start from the components sourcing through the manufacturing QC to the finished product; competitive prices are the result of our own production factory in China.

Today, Provision-ISR is a fast growing company with official exclusive distributors worldwide who are working as partners to promote the brand in their regions while developing new designs and technologies with the supreme guidelines of high quality and competitive prices



## Our Service

### Quality:

As a branded products we must keep our reputation of quality products by using the best components and strict quality control standards by our Israeli engineers.

### 2 Year warranty:

Our low RMA rate allow us to support our clients with long warranty and we have found creative ways to deal with your RMA service.

### One stop shop:

Due to our vision of creating a one stop shop to our clients for the entire range of CCTV products, we have managed to create a full range of CCTV accessories for all types of CCTV installation.

We perfectly understand the need for tested and reliable CCTV accessories and set high quality standards to these products as well.

### Technical support:

Our expert Israeli technical support team is here to answer all of your questions and attend to any technical demand.

### Marketing assistance:

International and national exhibitions, graphic designers, marketing materials, seminars to your staff and more are only part of our way to promote your business with Provision-ISR.

### Business of CCTV:

Provision-ISR understand the installers needs as well as the distributor needs. We can find creative ways to deal with any demand from the market. We speak fluently the language of CCTV and security and Our staff speak fluently the language of CCTV and security and are here to establish reliable and confidante business relation with you.

Call us today to learn more.

# IP BASED SOLUTION Series



Provision-ISR offers a broad IP product range for your needs. The IP Protocol is the most common protocol for communication over computer networks and the Internet. It is ideal for streaming a high-quality video through networking infrastructure. IP Surveillance technology offers a high-tech flexible solution without compromising on reliability and picture quality. With superior built quality, high picture resolution and advanced features, you will find in Provision-ISR IP products range all that you need for your IP based surveillance system. Provision-ISR's IP products cover all installation types from basic residential/SOHO Plug & View IP camera installation that requires zero knowledge through medium installation characterized by single NVR and several IP cameras to enterprise installation that includes numerous cameras linked by Switches, NVRs and a professional CMS Software.

- PnV IP cameras**      Designed for Small residential/SOHO uses. It features local storage; Wi-Fi connectivity and plug & view function that requires zero knowledge for installation.
  
- IP Cameras**      Aligning with Provision-ISR standards, all IP cameras provide excellent video and audio compression ability including high quality 720P, 960P, 1080P & 3MP HD resolutions. All of our cameras were designed with deepest consideration of the installers' needs: They are easy to install and feature analog output for technician monitors, 3- axis bracket, ONVIF, both POE and DC 12V input and more...
  
- IP PTZ Cameras**      Our IP PTZ Cameras comes in a variety of HD Resolutions (720P & 1080P) and focal lengths (x20 & x30). All PTZ Cameras in this series offers long IR Range, Common IP Protocols Support including ONVIF, RTSP, TCP/IP and almost unlimited options for installation.
  
- NVRs**      Provision-ISR's NVR line was designed under the guideline of keeping the DVR familiar interface together with simplifying the new IP NVR platform. Our NVR systems feature two main product lines: Conventional NVRs that recognize and interact with IP cameras via the network or PoE/Plug & Play NVRs that work in a closed system where the IP cameras are connected directly to the NVR.
  
- PoE Accessoried**      A variety of PoE switches and installation accessories that will make the installation of any IP camera easier and in the most reliable manner. Here you will find an answer to all of your installation needs.

# IP BASED SOLUTION Series

## PnV IP Cameras



As part of Provision-ISR's long-lasting effort to address the common users and offer a camera with extra-ordinary capabilities together with never seen configuration and operation simplicity we have come up with the perfect solution: Plug and View Cameras.

Quick Set-up – Easy to Use – Smart and Cost Effective

Provision-ISR's advanced Plug & View monitoring cameras are the ideal solution for monitoring your home, office or business both day & night.

P&V cameras provide 1 mega-pixel image quality with advanced H.264 video compression to achieve a high quality video streaming quality.

Provision-ISR innovative "Cloud - Plug & View Technology" empowers you to easily connect to your camera and watch it from anywhere and at any time directly from your Smartphone or Tablet using Provision-ISR's free app "Provision PnV" (For iOS & Android). One of the greatest news that this camera is bringing: No more messy network, video and command cables. After installation is finished, the only cable that the camera will need is power.

### Pan/Tilt Cameras –

PT - Pan/Tilt Indoor Camera

The Pan/Tilt cameras were designed to offer the greatest flexibility for installing and positioning of the camera. The camera's great features makes it the perfect choice for remote monitoring.

These includes:

- Plug and View interface
- 1MP Resolution
- H.264 Video Compression
- 150Mbps WiFi Connectivity (802.11n)
- Motion Detection
- Day and Night Vision with ICR and IR LEDs
- 2 Way Audio (Built in Microphone & Speaker)
- Micro SD card local storage
- iOS/Android Support
- Motorized Pan/Tilt (355° Pan/120° Tilt)
- Touch Gestures for camera control

### Fixed Cameras –

F - Fixed Indoor Camera

WP - Water-Proof Outdoor Camera

R - "Router" Hidden Camera

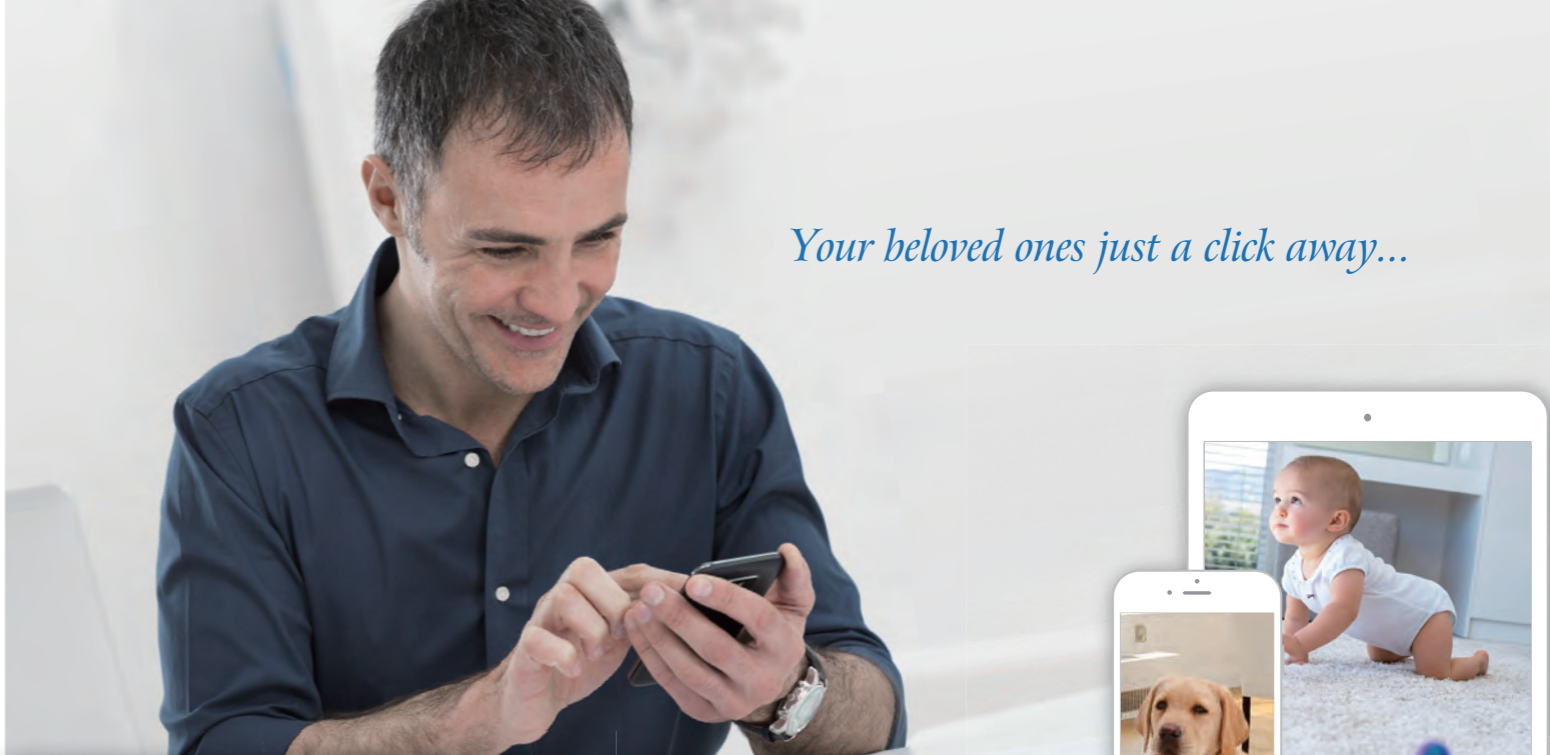
The fixed cameras were designed to offer a cost effective solution while keeping all the important features that the PT cameras has to offer.

These includes:

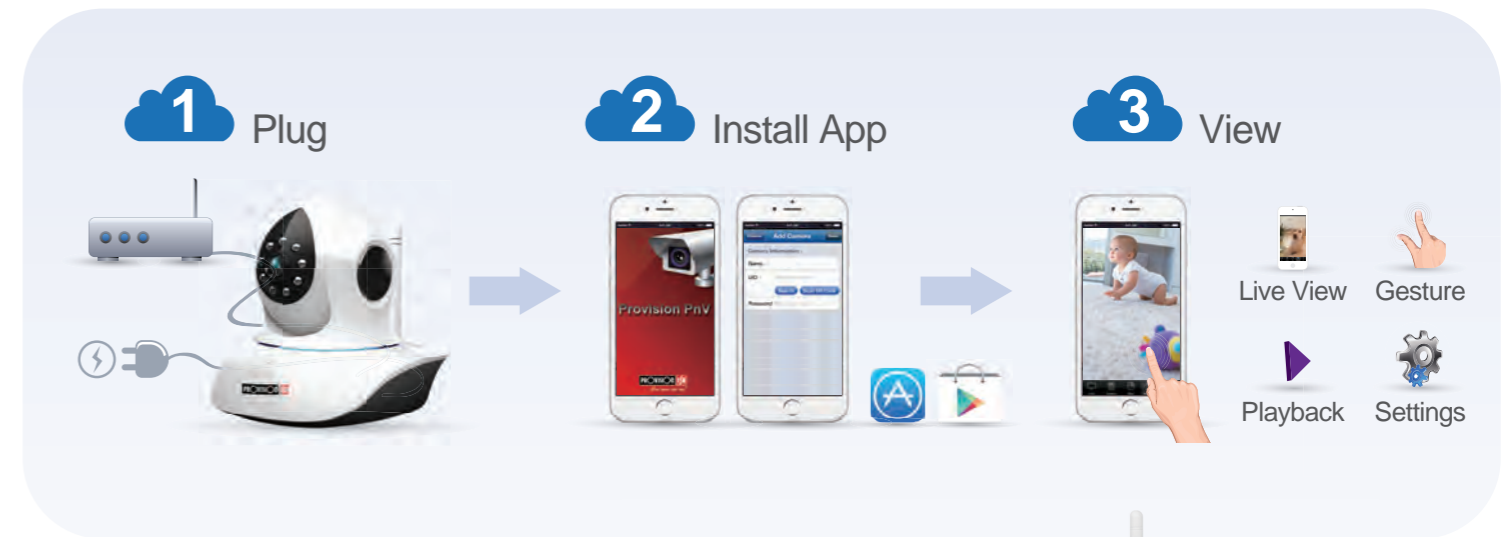
- Plug and View interface
- 1 MP Resolution
- H.264 Video Compression
- 150Mbps WiFi Connectivity (802.11n)
- Motion Detection
- Day and Night Vision with ICR and IR LEDs
- 2 Way Audio (Built in Microphone)\*
- Micro SD card local storage
- iOS/Android Support

\*Not Available for the WP-717 Camera

Your beloved ones just a click away...



## 3 Step Installation



# IP BASED SOLUTION Series



# PAN/TILT IR FIXED LENS CAMERA

PT-737



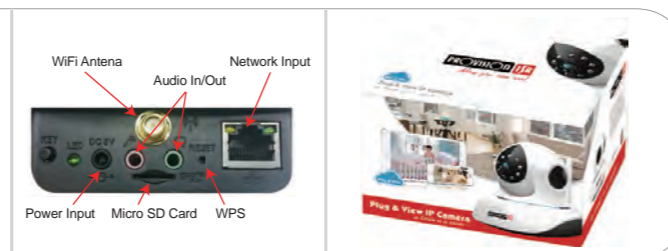
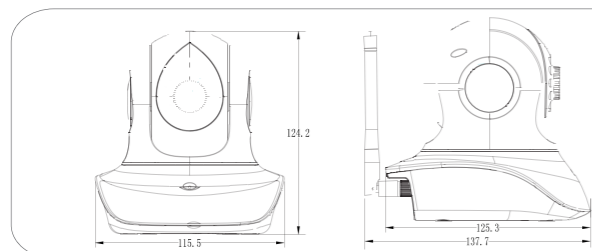
- 1 Mega-Pixel camera
- Day & night vision
- Wide angle- 3.6mm lens
- Advanced H.264 Compression
- 2 Way Audio with Built-in Speaker/Microphone
- Local recording on Micro SD
- Wireless support (802.11b/g/n)
- Motion detection
- iPhone/iPad/Android viewer app

- iOS/Android Mobile App:
  - Live view
  - Gesture Control
  - Remote playback
  - Local SnapShot/video recording

## Specifications

Camera	Video	Model	PT-737	
		Image Sensor	1/4" CMOS Sensor	
		Effective Pixels	1280x720	
		Electronic Shutter	1/50s ~ 1/100000s	
		Day & Night	ICR	
	Audio	Min. Illumination	0lux (IR ON)	
		Audio compression	ADPCM	
	Image Enhancement	Communication	Two Way Audio (Built-In Microphone & Speaker)	
		Image Settings	AWB	
			Auto Exposure	
Automatic Gain				
Saturation & Contrast Adjustable				
WDR Range		No		
Noise Reduction		2D-DNR		
Image Orientation		Mirror/Flip		
Privacy Zone		No		
Motion Detection		Yes		
Compression	Video Compression	H.264		
	Resolution	720P (1280x720), VGA (640x480), QVGA (320x240)		
	Multi-stream	1280x720 (25/30fps) / 640x480 (25/30fps) / 320x240 (25/30fps)		
	Bit rate	128Kbps ~ 4Mbps		
	Encode Mode	VBR		
Pan/Tilt	Image Quality	16 levels under VBR		
	Pan	355°		
	Tilt	120°		

Housing	IR Distance	10m (12pcs)
	Lens	3.6mm
	Iris	Fixed Iris
	Lens Mount	Adjustable ( 14 mount)
	Water-proof	No
	Bracket	Desk/Wall mount Pan/Tilt
	Dimensions	165Lx165Wx140H mm
	Weight(gross)	640g
Connectivity	Network	RJ45 + WiFi (802.11 b/g/n)
	Power	DC Socket
	Analog Video Output	No
	Audio Connectivity	1Ch Input, 1Ch Output
	SD Card	Support TF (64GB Max)
	RS485	No
	Alarm	No
Network	Remote Monitoring	IE Browsing, Provision PnV Mobile App
	User Access	Supports simultaneous monitoring for up to 4 users
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP
	WPS	Supported (Wi-Fi Protected Setup)
	ONVIF	Yes
	Ethernet	100Mbps
	PoE	No
Others	Power Supply	DC5V
	Work Environment	-10°C~50°C, 10%~90% Humidity



# IR FIXED LENS CAMERA

F-717



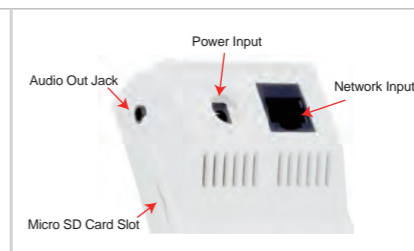
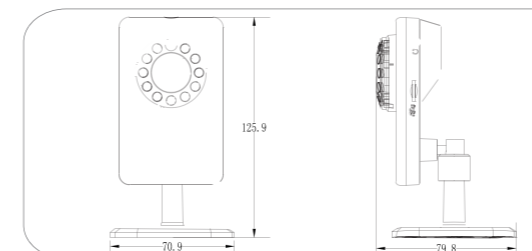
- 1 Mega-Pixel camera
- Day & night vision
- Wide angle- 3.6mm lens
- Advanced H.264 Compression
- 2 Way Audio with Built-in Microphone
- Local recording on Micro SD
- Wireless support (802.11b/g/n)
- Motion detection
- iPhone/iPad/Android viewer app
- PC free Installation

- iOS/Android Mobile App:
  - Live view
  - Remote playback
  - Local SnapShot/video recording

## Specifications

Camera	Video	Model	F-717	
		Image Sensor	1/4" CMOS Sensor	
		Effective Pixels	1280x720	
		Electronic Shutter	1/50s ~ 1/100000s	
		Day & Night	ICR	
	Audio	Min. Illumination	0lux (IR ON)	
		Audio compression	ADPCM	
	Image Enhancement	Communication	Two Way Audio	
		Image Settings	AWB	
			Auto Exposure	
Automatic Gain				
Saturation & Contrast Adjustable				
WDR Range		No		
Noise Reduction		2D-DNR		
Image Orientation		Mirror/Flip		
Privacy Zone		No		
Motion Detection		Yes		
Compression	Video Compression	H.264		
	Resolution	720P (1280x720), VGA (640x480), QVGA (320x240)		
	Multi-stream	1280x720 (25/30fps) / 640x480 (25/30fps) / 320x240 (25/30fps)		
	Bit rate	32Kbps ~ 4Mbps		
	Encode Mode	VBR		
Pan/Tilt	Image Quality	Five levels under VBR		
	Pan	No		
	Tilt	No		

Housing	IR Distance	10m (12pcs)
	Lens	3.6mm
	Iris	Fixed Iris
	Lens Mount	Adjustable ( 14 mount)
	Water-proof	No
	Bracket	Desk/Wall mount
	Dimensions	144Lx119Wx84H mm
	Weight(gross)	55g
Connectivity	Network	RJ45 + WiFi (802.11 b/g/n)
	Power	DC Socket
	Analog Video Output	No
	Audio Connectivity	1Ch Input
	SD Card	Support TF (32GB Max)
	RS485	No
	Alarm	No
Network	Remote Monitoring	IE Browsing, Provision PnV Mobile App
	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission
	Network Protocol	TCP/IP, UDP, DHCP, NTP, PPPoE, DDNS, SMTP, FTP
	ONVIF	No
	Ethernet	100Mbps
	PoE	No
	Others	Power Supply
Work Environment		-10°C~50°C, 10%~90% Humidity



# IR FIXED LENS ROUTER CAMERA

WP-717



1 Mega-Pixel camera  
Day & night vision  
Wide angle- 3.6mm lens  
Advanced H.264 Compression

Local recording on Micro SD  
Wireless support (802.11b/g/n)  
Motion detection  
iPhone/iPad/Android viewer app

iOS/Android Mobile App:  
- Live view  
- Remote playback  
- Local Snapshot / Video recording

## Specifications

Camera	Video	Model	WP-717
		Image Sensor	1/4" CMOS Sensor
		Effective Pixels	1280x720
		Electronic Shutter	1/50s ~ 1/100000s
		Day & Night	ICR
	Audio	Min. Illumination	0lux (IR ON)
		Audio compression	Not Available
	Image Enhancement	Communication	No
		Image Settings	AWB
			Auto Exposure
Automatic Gain			
Saturation & Contrast Adjustable			
WDR Range		No	
Noise Reduction		2D-DNR	
Image Orientation		Mirror/Flip	
Privacy Zone		No	
Motion Detection		Yes	
Compression	Video Compression	H.264	
	Resolution	720P (1280x720), VGA (640x480), QVGA (320x240)	
	Multi-stream	1280x720 (25/30fps) / 640x480 (25/30fps) / 320x240 (25/30fps)	
	Bit rate	128Kbps ~ 4Mbps	
	Encode Mode	VBR	
Pan/Tilt	Image Quality	16 levels under VBR	
	Pan	No	
	Tilt	No	

Housing	IR Distance	15m (2pcs)
	Lens	3.6mm
	Iris	Fixed Iris
	Lens Mount	14 mount
	Water-proof	No
	Bracket	Desk/Wall mount Pan/Tilt
	Dimensions	150Lx67Wx138H mm (Without Wi Antenna)
Connectivity	Weight(gross)	640g
	Network	RJ45 + WiFi (802.11 b/g/n)
	Power	DC Socket
	Analog Video Output	No
	Audio Connectivity	No
	SD Card	Support TF (64GB Max)
	RS485	No
Network	Alarm	No
	Remote Monitoring	IE Browsing, Provision PnV Mobile App
	User Access	Supports simultaneous monitoring for up to 4 users
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP
	WPS	Supported (Wi-Fi Protected Setup)
	ONVIF	Yes
	Ethernet	100Mbps
Others	PoE	No
	Power Supply	DC5V
	Work Environment	-10°C~50°C, 10%~90% Humidity



# IR FIXED LENS ROUTER CAMERA

R-737



1 Mega-Pixel camera  
Day & night vision  
Wide angle- 3.6mm lens  
Advanced H.264 Compression  
2 Way Audio with Built-in Microphone & Speaker

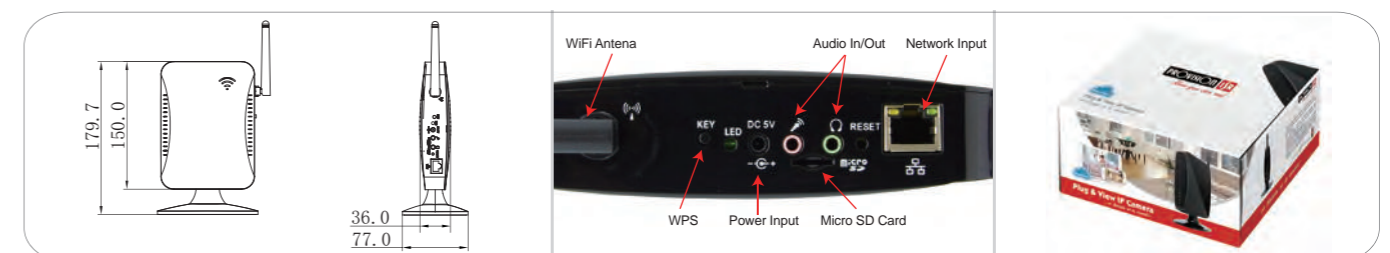
Local recording on Micro SD  
Wireless support (802.11b/g/n)  
Motion detection  
iPhone/iPad/Android viewer app

iOS/Android Mobile App:  
- Live view  
- Remote playback  
- Local Snapshot/video recording

## Specifications

Camera	Video	Model	R-737
		Image Sensor	1/4" CMOS Sensor
		Effective Pixels	1280x720
		Electronic Shutter	1/50s ~ 1/100000s
		Day & Night	ICR
	Audio	Min. Illumination	0lux (IR ON)
		Audio compression	ADPCM
	Image Enhancement	Communication	Two Way Audio (Built-In Microphone & Speaker)
		Image Settings	AWB
			Auto Exposure
Automatic Gain			
Saturation & Contrast Adjustable			
WDR Range		No	
Noise Reduction		2D-DNR	
Image Orientation		Mirror/Flip	
Privacy Zone		No	
Motion Detection		Yes	
Compression	Video Compression	H.264	
	Resolution	720P (1280x720), VGA (640x480), QVGA (320x240)	
	Multi-stream	1280x720 (25/30fps) / 640x480 (25/30fps) / 320x240 (25/30fps)	
	Bit rate	128Kbps ~ 4Mbps	
	Encode Mode	VBR	
Pan/Tilt	Image Quality	16 levels under VBR	
	Pan	No	
	Tilt	No	

Housing	IR Distance	10m (16pcs)
	Lens	3.6mm
	Iris	Fixed Iris
	Lens Mount	14 mount
	Water-proof	No
	Bracket	Desk/Wall mount Pan/Tilt
	Dimensions	165Lx165Wx140H mm
Connectivity	Weight(gross)	640g
	Network	RJ45 + WiFi (802.11 b/g/n)
	Power	DC Socket
	Analog Video Output	No
	Audio Connectivity	1Ch Input, 1Ch Output
	SD Card	Support TF (64GB Max)
	RS485	No
Network	Alarm	No
	Remote Monitoring	IE Browsing, Provision PnV Mobile App
	User Access	Supports simultaneous monitoring for up to 4 users
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP
	WPS	Supported (Wi-Fi Protected Setup)
	ONVIF	Yes
	Ethernet	100Mbps
Others	PoE	No
	Power Supply	DC5V
	Work Environment	-10°C~50°C, 10%~90% Humidity



## IP Cameras



Provision-ISR's IP Camera line was produced in order to give a solution that will provide excellent video performance together with elegant and installation - friendly design. All cameras support PoE, analog monitor out for technician monitors and ONVIF together with 3-axis bracket for the perfect installation.

When connected to the network and configured properly, the IP camera can be accessed independently via CMS/IE Client without the need of an NVR. This provides a higher level of flexibility with the users' administration and the ability to use an IP camera as a standalone monitoring device.

Provision-ISR understands the user's requirements and as a result, our cameras have four lines:

3MP Ultra High Resolution, centralizing on the best image you can get with the best available resolution, 1080P full HD model with the focus on great image quality, 960P Professional mid-range models to address more cost sensitive solutions and 960P economy models without special connectivity features. All camera lines provide excellent picture with high quality data compression together with upgradable ONVIF in order to expand the connectivity options for the cameras with existing installations and various NVRs and CMS softwares.

### 3MP Series

The 3MP line was designed to give you the best resolution available to get the most detailed picture you can get.

- 3MP Resolution (2048x1536)
- 3 Mega-Pixel
- 1/3" CMOS
- True Day & Night (ICR)
- H.264 Compression
- ONVIF
- PoE

### 2MP(1080P) Series

The 1080P line was designed to provide you with a high resolution and enhanced video processing for a superb image quality.

- 1080P Resolution (1920x1080)
- 2 Mega-Pixel
- Sony Exmor IMX122 1/3" CMOS
- True Day & Night (ICR)
- H.264 Compression
- ONVIF
- PoE

### 1.3MP(960P) Professional

The 960P line was designed to provide you with an HD quality picture but for lower cost. All the other features are exactly the same.

- 960P Resolution (1280x960)
- 1.3 Mega-Pixel
- Sony Exmor IMX138 1/3" CMOS
- True Day & Night (ICR)
- H.264 Compression
- ONVIF
- PoE

### 1.3MP(960P) Economic

The 960P economy line provides you with a standard HD quality picture but for lower cost. The camera's connectivity options are limited comparing to the other solutions.

- 960P Resolution (1280x960)
- 1.3 Mega-Pixel
- 1/3" CMOS Sensor
- True Day & Night (ICR)
- H.264 Compression
- ONVIF
- PoE

## IR VARI-FOCAL VANDAL-PROOF DOME CAMERA

DAI-310IPEH04

IP SOLUTION  
3MP



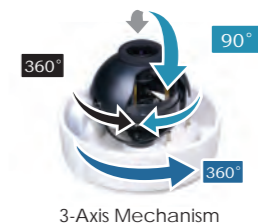
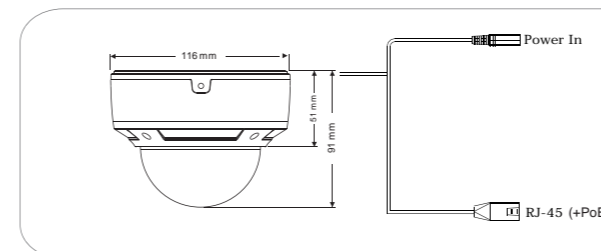
1/3" CMOS Sensor  
3 Mega-Pixel  
True Day & Night (IR Cut Removable)  
0 Lux (IR On) Min. Illumination

ONVIF  
Digital WDR  
3D Noise Reduction  
Motion Detection and Privacy Masking

15m IR Illumination  
PoE Support  
IP 66 Protection  
Vandal-Proof

### Specifications

		Model	DAI-310IPEH04
Video	Image Sensor	1/3" CMOS	
	Effective Pixels	2048x1536	
	Electronic Shutter	1/25s ~ 1/100000s	
	Day & Night	ICR	
	Min. Illumination	0lux (IR ON)	
	Audio	Audio compression	No
Communication		No	
Image Enhancement	Image Settings	AWB( Adjustable), AGC, AES(Auto) Exposure Mode (Auto) Sharpness, Saturation, Brightness & Contrast Adjustable	
	WDR Range	Digital WDR(Real WDR optional)	
	Noise Reduction	3D-DNR	
	Image Orientation	Mirror/Flip	
	Privacy Zone	Yes	
	Motion Detection	Yes	
Compression	Video Compression	H.264	
	Resolution	3MP(2048x1536),1080P(1920x1080),720P(1280x720),D1,CIF,480x240	
	Multi-stream	3MP(1~15fps) / 1920x1080(1~30fps) / 1280x720(1~30fps) / D1(1~30fps) / CIF(1~30fps) / 480x240(1~30fps)	
	Bit rate	64Kbps ~ 8Mbps	
	Encode Mode	VBR/CBR	
Image Quality	Five levels under VBR; Free adjustment under CBR		
Housing	IR Distance	15m (24 IR LED)	
	Lens	3.6mm	
	Iris	Fixed Iris	
	Lens Mount	14 mount	
	Water-proof	IP66	
	Bracket	3-Axis Gimbal	
	Dimensions	116mmx91m m	
Connectivity	Weight(gross)	605g	
	Network	RJ45 (+PoE)	
	Power	DC Socket	
	Analog Video Output	No	
	Mic Connectivity	No	
	SD Card	No	
	RS485	No	
Alarm	No		
Network	Remote Monitoring	IE Browsing, CMS Control Software	
	User Access	Supports simultaneous monitoring for up to 10 users with multi-stream real time transmission	
	Network Protocol	TCP/IP, UDP, DHCP, NTP, PPPoE, DDNS, SMTP, FTP	
	ONVIF	Yes	
Others	Ethernet	100Mbps	
	PoE	Yes	
Power Supply	Power Supply	DC12V/-440mA / PoE/-6.7W	
	Work Environment	-10 C ~50 C , 10%~90% Humidity	



# IR VARI-FOCAL VANDAL-PROOF DOME CAMERA

DAI-310IPVF



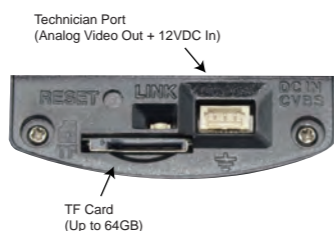
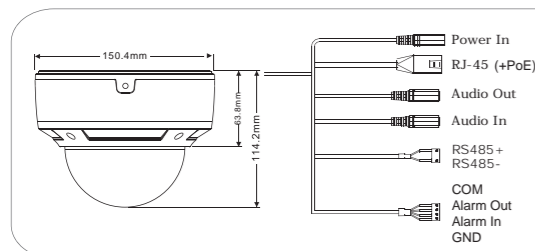
1/3" CMOS Sensor  
3 Mega-Pixel  
True Day & Night (IR Cut Removable)  
0 Lux (IR On) Min. Illumination  
ONVIF  
Digital WDR

3D Noise Reduction  
Motion Detection and Privacy Masking  
2.8-12mm Vari-Focal Lens  
25m IR Illumination  
PoE Support  
Local Storage

RS-485  
I/O – 1 Alarm In / 1 Alarm Out  
2 Way Audio  
IP 66 Protection  
Vandal-Proof

## Specifications

Camera	Video	Model	DAI-310IPVF	Housing	IR Distance	25m (30 IR LED)	
		Image Sensor	1/3" CMOS		Lens	2.8-12mm	
		Effective Pixels	2048x1536		Iris	Fixed Iris	
		Electronic Shutter	1/25s ~ 1/100000s		Lens Mount	14 mount	
		Day & Night	ICR		Water-proof	IP66	
	Audio	Audio compression	G.711A/G.711U		Bracket	3-Axis Gimbal	
		Communication	Two-way Audio		Dimensions	150mmx114mm	
	Image Enhancement	Image Settings	AWB, AGC Adjustable		Connectivity	Network	RJ45 (+PoE)
			Exposure Mode (Auto)			Power	DC Socket
			Sharpness, Saturation, Brightness & Contrast Adjustable			Analog Video Output	CVBS(BNCx1)
WDR Range		Digital WDR	Mic Connectivity	1Ch Input, 1Ch Output			
Noise Reduction		3D-DNR	SD Card	Support TF (64GB Max)			
Image Orientation		Mirror/Flip	RS485	Yes			
Compression	Privacy Zone	Yes	Alarm	1Ch Input, 1Ch Output			
	Motion Detection	Yes	Remote Monitoring	IE Browsing, CMS Control Software			
	Video Compression	H.264	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission			
	Resolution	3MP(2048x1536), 1080P(1920x1080), 720P(1280x720), D1, CIF, 480x240	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP			
Others	Multi-stream	3MP(1~30fps) / 1920x1080(1~30fps) / 1280x720(1~30fps) / D1(1~30fps) / CIF(1~30fps) / 480x240(1~30fps)	ONVIF	Yes			
	Bit rate	64Kbps ~ 8Mbps	Ethernet	100Mbps			
	Encode Mode	VBR/CBR	PoE	Yes			
	Image Quality	Five levels under VBR; Free adjustment under CBR	Power Supply	DC12V/-360mA / PoE/-6.2W			
			Work Environment	-10C~50C, 10%-90% Humidity			



# IR VARI-FOCAL VANDAL-PROOF DOME CAMERA

DAI-310IPEHVF



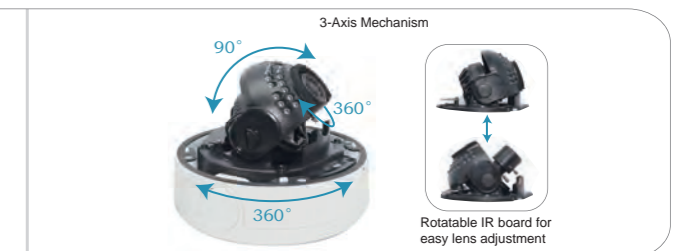
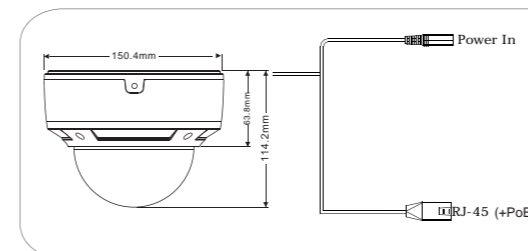
1/3" CMOS Sensor  
3 Mega-Pixel  
True Day & Night (IR Cut Removable)  
0 Lux (IR On) Min. Illumination  
ONVIF  
Digital WDR

3D Noise Reduction  
Motion Detection and Privacy Masking  
2.8-12mm Vari-Focal Lens  
25m IR Illumination  
PoE Support  
Local Storage

IP 66 Protection  
Vandal-Proof

## Specifications

Camera	Video	Model	DAI-310IPEHVF	Housing	IR Distance	25m (30 IR LED)	
		Image Sensor	1/3" CMOS		Lens	2.8-12mm	
		Effective Pixels	2048x1536		Iris	Fixed Iris	
		Electronic Shutter	1/25s ~ 1/100000s		Lens Mount	14 mount	
		Day & Night	ICR		Water-proof	IP66	
	Audio	Audio compression	No		Bracket	3-Axis Gimbal	
		Communication	No		Dimensions	150mmx114mm	
	Image Enhancement	Image Settings	AWB(Adjustable), AGC, AES(Auto)		Connectivity	Network	RJ45 (+PoE)
			Exposure Mode (Auto)			Power	DC Socket
			Sharpness, Saturation, Brightness & Contrast Adjustable			Analog Video Output	No
WDR Range		Digital WDR	Mic Connectivity	No			
Noise Reduction		3D-DNR	SD Card	Support TF (64GB Max)			
Image Orientation		Mirror/Flip	RS485	No			
Compression	Privacy Zone	Yes	Alarm	No			
	Motion Detection	Yes	Remote Monitoring	IE Browsing, CMS Control Software			
	Video Compression	H.264	User Access	Supports simultaneous monitoring for up to 10 users with multi-stream real time transmission			
	Resolution	3MP(2048x1536), 1080P(1920x1080), 720P(1280x720), D1, CIF, 480x240	Network Protocol	TCP/IP, UDP, DHCP, NTP, PPPoE, DDNS, SMTP, FTP			
Others	Multi-stream	3MP(1~15fps) / 1920x1080(1~30fps) / 1280x720(1~30fps) / D1(1~30fps) / CIF(1~30fps) / 480x240(1~30fps)	ONVIF	Yes			
	Bit rate	64Kbps ~ 8Mbps	Ethernet	100Mbps			
	Encode Mode	VBR/CBR	PoE	Yes			
	Image Quality	Five levels under VBR; Free adjustment under CBR	Power Supply	DC12V/-360mA / PoE/-6.2W			
			Work Environment	-10C~50C, 10%-90% Humidity			



# IR VARI-FOCAL DOME CAMERA

DI-310IPEHVF



- 1/3" CMOS Sensor
- 3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- 2.8-12mm Vari-Focal Lens
- 25m IR Illumination
- PoE Support
- IP 66 Protection

## Specifications

Camera	Video	Model	DI-310IPEHVF
		Image Sensor	1/3" CMOS
		Effective Pixels	2048x1536
		Electronic Shutter	1/25s ~ 1/100000s
		Day & Night	ICR
		Min. Illumination	0lux (IR ON)
	Audio	Audio compression	No
		Communication	No
	Image Enhancement	Image Settings	AWB(Adjustable), AGC, AES(Auto) Exposure Mode (Auto) Sharpness, Saturation, Brightness & Contrast Adjustable
		WDR Range	Digital WDR(Real WDR optional)
Noise Reduction		3D-DNR	
Image Orientation		Mirror/Flip	
Privacy Zone		Yes	
Motion Detection		Yes	
Video Compression		H.264	
Compression	Resolution	3MP(2048x1536),1080P(1920x1080),720P(1280x720),D1,CIF,480x240	
	Multi-stream	3MP(1~15fps) / 1920x1080(1~30fps) / 1280x720(1~30fps) / D1(1~30fps) / CIF(1~30fps) / 480x240(1~30fps)	
	Bit rate	64Kbps ~ 8Mbps	
	Encode Mode	VBR/CBR	
	Image Quality	Five levels under VBR; Free adjustment under CBR	

Housing	IR Distance	25m (42 IR LED)	
	Lens	2.8-12mm	
	Iris	Fixed Iris	
	Lens Mount	14 mount	
	Water-proof	IP66	
	Bracket	3-Axis Gimbal	
	Dimensions	109mmx130mm	
	Weight(gross)	740g	
	Connectivity	Network	RJ45 (+PoE)
		Power	DC Socket
Analog Video Output		No	
Mic Connectivity		No	
SD Card		No	
RS485		No	
Alarm		No	
Network	Remote Monitoring	IE Browsing, CMS Control Software	
	User Access	Supports simultaneous monitoring for up to 10 users with multi-stream real time transmission	
	Network Protocol	TCP/IP, UDP, DHCP, NTP, PPPoE, DDNS, SMTP, FTP	
	ONVIF	Yes	
Others	Power Supply	VBR/CBR DC12V/-450mA / PoE/-6.1W	
	Work Environment	-10 C ~50 C, 10%-90% Humidity	

# 30M IR FIXED LENS BULLET CAMERA

I3-310IP04

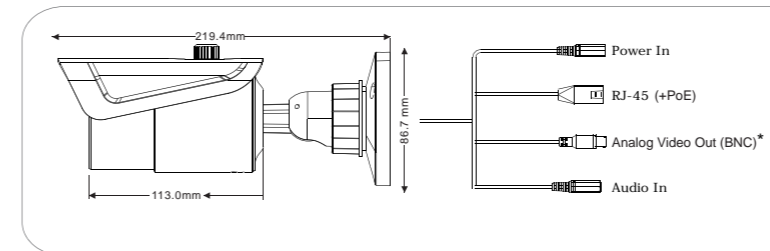
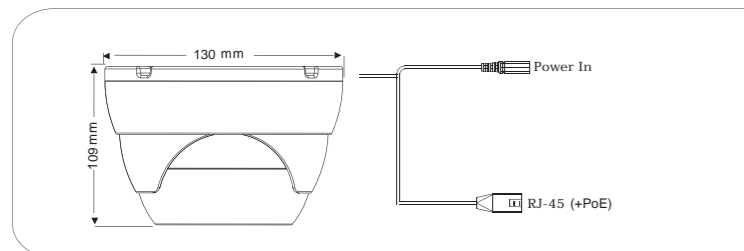


- 1/3" CMOS Sensor
- 3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- 3.6mm Mega-Pixel Lens
- 30m IR Illumination
- PoE Support
- 1 Way Audio
- IP 66 Protection

## Specifications

Camera	Video	Model	I3-310IP04
		Image Sensor	1/3" CMOS
		Effective Pixels	2048x1536
		Electronic Shutter	1/25s ~ 1/100000s
		Day & Night	ICR
		Min. Illumination	0lux (IR ON)
	Audio	Audio compression	G.711A/G.711U
		Communication	One-way Audio
	Image Enhancement	Image Settings	AWB, AGC Adjustable Exposure Mode (Auto) Sharpness, Saturation, Brightness & Contrast Adjustable
		WDR Range	Digital WDR
Noise Reduction		3D-DNR	
Image Orientation		Mirror/Flip	
Privacy Zone		Yes	
Motion Detection		Yes	
Video Compression		H.264	
Compression	Resolution	3MP(2048x1536),1080P(1920x1080),720P(1280x720),D1,CIF,480x240	
	Multi-stream	3MP(1~30fps) / 1920x1080(1~30fps) / 1280x720(1~30fps) / D1(1~30fps) / CIF(1~30fps) / 480x240(1~30fps)	
	Bit rate	64Kbps ~ 8Mbps	
	Encode Mode	VBR/CBR	
	Image Quality	Five levels under VBR; Free adjustment under CBR	

Housing	IR Distance	30m (42 IR LED)	
	Lens	3.6mm	
	Iris	Fixed Iris	
	Lens Mount	14 mount	
	Water-proof	IP66	
	Bracket	3-Axis Wall Bracket	
	Dimensions	87mmx219mm	
	Weight(gross)	635g	
	Connectivity	Network	RJ45 (+PoE)
		Power	DC Socket
Analog Video Output		No	
Mic Connectivity		1Ch Input	
SD Card		No	
RS485		No	
Alarm		No	
Network	Remote Monitoring	IE Browsing, CMS Control Software	
	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission	
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP	
	ONVIF	Yes	
Others	Power Supply	VBR/CBR DC12V/-500mA / PoE/-6.5W	
	Work Environment	-10 C ~50 C, 10%-90% Humidity	





# 40M IR VARI-FOCAL BULLET CAMERA

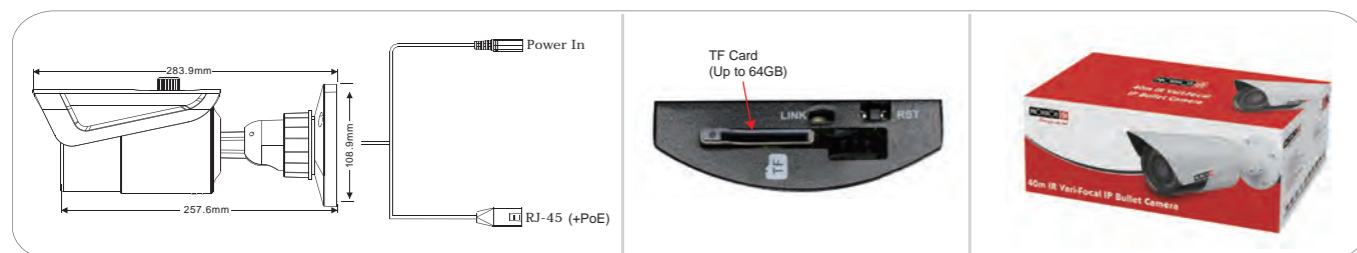
I4-310IPEHVF



- 1/3" CMOS Sensor
- 3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- 2.8-12mm Vari-Focal Lens
- 40m IR Illumination
- PoE Support
- Local Storage
- IP 66 Protection
- Vandal-Proof

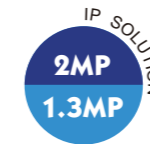
## Specifications

Camera	Video	Model	I4-310IPEHVF	Housing	IR Distance	40m (48 IR LED)
		Image Sensor	1/3" CMOS		Lens	2.8-12mm
		Effective Pixels	2048x1536		Iris	Fixed Iris
		Electronic Shutter	1/25s ~ 1/100000s		Lens Mount	14 mount
		Day & Night	ICR		Water-proof	IP66
		Min. Illumination	0lux (IR ON)		Bracket	3-Axis
	Audio	Audio compression	No		Dimensions	112mmx326mm
		Communication	No		Weight(gross)	1115g
	Image Enhancement	Image Settings	AWB (Adjustable), AGC, AES(Auto) Exposure Mode (Auto) Sharpness, Saturation, Brightness & Contrast Adjustable		Network	RJ45 (+PoE)
		WDR Range	Digital WDR(Real WDR optional)		Power	DC Socket
Noise Reduction		3D-DNR	Analog Video Output	No		
Image Orientation		Mirror/Flip	Mic Connectivity	No		
Privacy Zone		Yes	SD Card	Support TF (64GB Max)		
Motion Detection		Yes	RS485	No		
Video Compression		H.264	Alarm	No		
Resolution		3MP(2048x1536),1080P(1920x1080),720P(1280x720),D1,CIF,480x240	Remote Monitoring	IE Browsing, CMS Control Software		
Compression	Multi-stream	3MP(1-15fps) / 1920x1080(1-30fps) / 1280x720(1-30fps) / D1(1-30fps) / CIF(1-30fps) / 480x240(1-30fps)	User Access	Supports simultaneous monitoring for up to 10 users with multi-stream real time transmission		
	Bit rate	64Kbps ~ 8Mbps	Network Protocol	TCP/IP, UDP, DHCP, NTP, PPPoE, DDNS, SMTP, FTP		
	Encode Mode	VBR/CBR	ONVIF	Yes		
	Image Quality	Five levels under VBR; Free adjustment under CBR	Ethernet	100Mbps		
			PoE	Yes		
Others		Power Supply	VBR/CBR	DC12V/-600mA / PoE/-8.5W		
		Work Environment		-10 C ~50 C , 10%~90% Humidity		



# PROFESSIONAL BOX CAMERA

BX-390IP  
BX-380IP

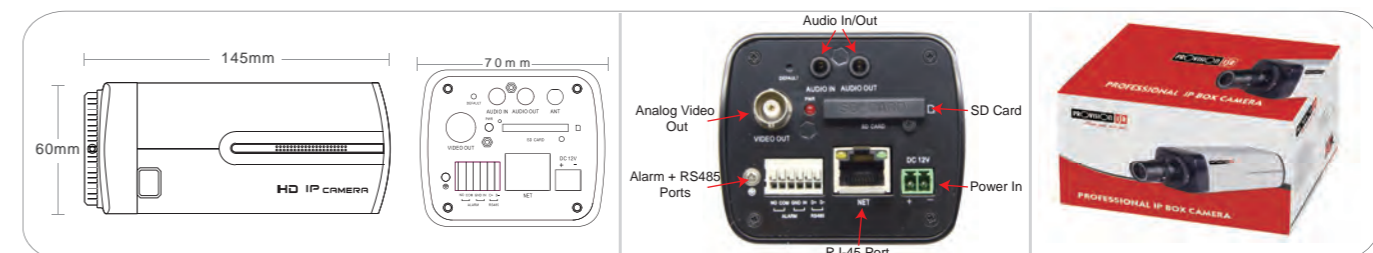


- 1/3" CMOS Sensor
- 2 / 1.3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0.1 Lux Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- CS Lens Mount
- PoE Support
- Local Storage
- RS-485
- I/O – 1 Alarm in / 1 Alarm Out
- 2 Way Audio

## Specifications

Camera	Video	Model	BX-390IP	BX-380IP	Housing	IR Distance	No
		Image Sensor	Sony IMX122 1/3" CMOS	Sony IMX138 1/3" CMOS		Lens	N/A
		Effective Pixels	1920x1080	1280x1024		Iris	N/A
		Electronic Shutter	1/25s ~ 1/100000s			Lens Mount	CS Mount
		Day & Night	ICR			Water-proof	No
		Min. Illumination	0.1 lux			Bracket	No
	Audio	Audio compression	G711A/U			Dimensions	70W x 145D x 60H mm
		Communication	Two Way Audio			Weight(gross)	395g
	Image Enhancement	Image Settings	AWB, AGC Adjustable Exposure Mode (Auto / Manual) ROI (Region of interest) Setting Sharpness, Saturation, Brightness & Contrast Adjustable			Network	RJ45 (+PoE)
		WDR Range	Digital WDR			Power	DC Socket
Noise Reduction		3D-DNR		Analog Video Output	CVBS (BNCx1)		
Image Orientation		Mirror/Flip/Vertical Mode		Audio	1Ch Input, 1Ch Output		
Privacy Zone		Yes		SD Card	Support TF (64GB Max)		
Motion Detection		Yes		RS485	Yes		
Video Compression		H.264		Alarm	1Ch Input, 1Ch Output		
Resolution		1080P (1920x1080)*, 960P (1280x960)**, 720P (1280x720), VGA, QVGA			Remote Monitoring	IE Browsing, CMS Control Software	
Compression	Multi-stream	1920x1080 (1-30fps)* / 1280x960 (1-30fps)** / 1280x720 (1-30fps) / 1280x720 (1-30fps) / 640x480 (1-30fps) / 320x240 (1-30fps)			User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission	
	Bit rate	64Kbps ~ 8Mbps	64Kbps ~ 4Mbps	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP		
	Encode Mode	VBR/CBR		ONVIF	Yes		
	Image Quality	Five levels under VBR; Free adjustment under CBR		Ethernet	100Mbps		
				PoE	Yes		
Others		Power Supply	DC12V/PoE, 320mA (Max)	Power Supply	DC12V/PoE, 320mA (Max)		
		Work Environment	-10 C ~50 C , 10%~90% Humidity	Work Environment	-10 C ~50 C , 10%~90% Humidity		

\*BX-390IP Model Only \*\*BX-380IP Model Only



# IR FIXED LENS VANDAL-PROOF DOME CAMERA



1/3" CMOS Sensor  
2 / 1.3 Mega-Pixel  
True Day & Night (IR Cut Removable)  
0 Lux (IR On) Min. Illumination  
ONVIF

Digital WDR  
3D Noise Reduction  
Motion Detection and Privacy Masking  
3.6mm Mega-Pixel Lens  
15m IR Illumination

PoE Support  
1 Way Audio  
IP 66 Protection  
Vandal-Proof

## Specifications

Camera	Model	DAI-390IP04	DAI-380IP04
		Image Sensor	Sony IMX122 1/3" CMOS
Video	Effective Pixels	1920x1080	1280x1024
	Electronic Shutter	1/25s ~ 1/100000s	
Audio	Day & Night	ICR	
	Min. Illumination	0lux (IR ON)	
Image Enhancement	Audio compression	G711A/U	
	Communication	One Way Audio	
Image Enhancement	Image Settings	AWB, AGC Adjustable Exposure Mode (Auto / Manual) ROI (Region of interest) Setting Sharpness, Saturation, Brightness & Contrast Adjustable	
	WDR Range	Digital WDR	
Image Enhancement	Noise Reduction	3D-DNR	
	Image Orientation	Mirror/Flip/Vertical Mode	
Image Enhancement	Privacy Zone	Yes	
	Motion Detection	Yes	
Compression	Video Compression	H.264	
	Resolution	1080P (1920x1080)*, 960P (1280x960)**, 720P (1280x720), VGA, QVGA 1920x1080 (1~30fps) / 1280x960 (1~30fps)** / 1280x720 (1~30fps) / 1280x720 (1~30fps) / 640x480 (1~30fps) / 320x240 (1~30fps)	
Compression	Multi-stream	64Kbps ~ 8Mbps / 64Kbps ~ 4Mbps	
	Bit rate	64Kbps ~ 8Mbps / 64Kbps ~ 4Mbps	
Compression	Encode Mode	VBR/CBR	
	Image Quality	Five levels under VBR; Free adjustment under CBR	

\*DAI-390IP04 Model Only \*\*DAI-380IP04 Model Only

# IR VARI-FOCAL VANDAL-PROOF DOME CAMERA



1/3" CMOS Sensor  
2 / 1.3 Mega-Pixel  
True Day & Night (IR Cut Removable)  
0 Lux (IR On) Min. Illumination  
ONVIF  
Digital WDR

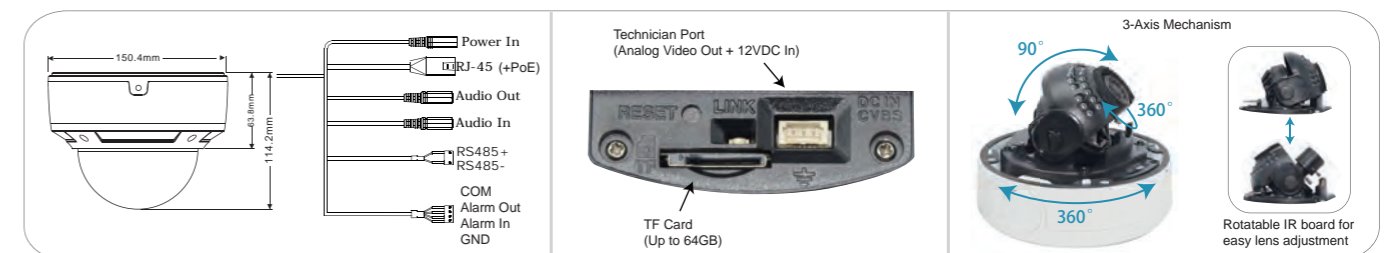
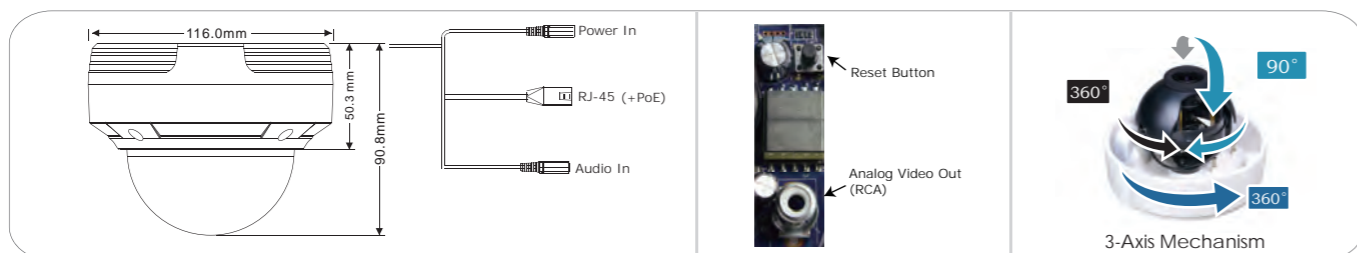
3D Noise Reduction  
Motion Detection and Privacy Masking  
2.8-12mm Vari-Focal Lens  
25m IR Illumination  
PoE Support  
Local Storage

RS-485  
I/O - 1 Alarm In / 1 Alarm Out  
2 Way Audio  
IP 66 Protection  
Vandal-Proof

## Specifications

Camera	Model	DAI-390IPVF	DAI-380IPVF
		Image Sensor	Sony IMX122 1/3" CMOS
Video	Effective Pixels	1920x1080	1280x1024
	Electronic Shutter	1/25s ~ 1/100000s	
Audio	Day & Night	ICR	
	Min. Illumination	0lux (IR ON)	
Image Enhancement	Audio compression	G711A/U	
	Communication	Two Way Audio	
Image Enhancement	Image Settings	AWB, AGC Adjustable Exposure Mode (Auto / Manual) ROI (Region of interest) Setting Sharpness, Saturation, Brightness & Contrast Adjustable	
	WDR Range	Digital WDR	
Image Enhancement	Noise Reduction	3D-DNR	
	Image Orientation	Mirror/Flip/Vertical Mode	
Image Enhancement	Privacy Zone	Yes	
	Motion Detection	Yes	
Compression	Video Compression	H.264	
	Resolution	1080P (1920x1080)*, 960P (1280x960)**, 720P (1280x720), VGA, QVGA 1920x1080 (1~30fps) / 1280x960 (1~30fps)** / 1280x720 (1~30fps) / 1280x720 (1~30fps) / 640x480 (1~30fps) / 320x240 (1~30fps)	
Compression	Multi-stream	64Kbps ~ 8Mbps / 64Kbps ~ 4Mbps	
	Bit rate	64Kbps ~ 8Mbps / 64Kbps ~ 4Mbps	
Compression	Encode Mode	VBR/CBR	
	Image Quality	Five levels under VBR; Free adjustment under CBR	

\*DAI-390IPVF Model Only \*\*DAI-380IPVF Model Only



# IR VARI-FOCAL DOME CAMERA

DI-390IPVF  
DI-380IPVF



- 1/3" CMOS Sensor
- 2 / 1.3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- 2.8-12mm Vari-Focal Lens
- 25m IR Illumination
- PoE Support
- 1 Way Audio
- IP 66 Protection

## Specifications

Model	DI-390IPVF	DI-380IPVF
Image Sensor	Sony IMX122 1/3" CMOS	Sony IMX138 1/3" CMOS
Effective Pixels	1920x1080	1280x1024
Electronic Shutter	1/25s ~ 1/100000s	
Day & Night	ICR	
Min. Illumination	0lux (IR ON)	
Audio compression	G711A/U	
Communication	One Way Audio	
Image Settings	AWB, AGC Adjustable Exposure Mode (Auto / Manual) ROI (Region of interest) Setting Sharpness, Saturation, Brightness & Contrast Adjustable	
WDR Range	Digital WDR	
Noise Reduction	3D-DNR	
Image Orientation	Mirror/Flip/Vertical Mode	
Privacy Zone	Yes	
Motion Detection	Yes	
Video Compression	H.264	
Resolution	1080P (1920x1080)*, 960P (1280x960)**, 720P (1280x720), VGA, QVGA	
Multi-stream	1920x1080 (1~30fps)* / 1280x960 (1~30fps)** / 1280x720 (1~30fps) / 1280x720 (1~30fps) / 640x480 (1~30fps) / 320x240 (1~30fps)	
Bit rate	64Kbps ~ 8Mbps	64Kbps ~ 4Mbps
Encode Mode	VBR/CBR	
Image Quality	Five levels under VBR; Free adjustment under CBR	

IR Distance	25m (42 IR LED)
Lens	2.8-12mm
Iris	Fixed Iris
Lens Mount	14 mount
Water-proof	IP66
Bracket	3-Axis Ball
Dimensions	119mmx82mm
Weight(gross)	669g
Network	RJ45 (+PoE)
Power	DC Socket
Analog Video Output	CVBS (BNCx1)
Mic Connectivity	1Ch Input
SD Card	No
RS485	No
Alarm	No
Remote Monitoring	IE Browsing, CMS Control Software
User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission
Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP
ONVIF	Yes
Ethernet	100Mbps
PoE	Yes
Power Supply	DC12V/-450mA / PoE/-6.1W
Work Environment	-10 C ~50 C, 10%-90% Humidity

\*DI-390IPVF Model Only \*\*DI-380IPVF Model Only



# 30M IR FIXED LENS BULLET CAMERA

I3-390IP04  
I3-380IP04



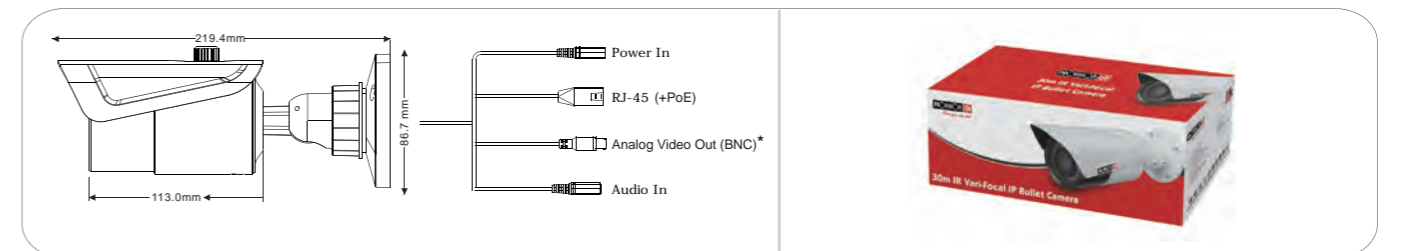
- 1/3" CMOS Sensor
- 2 / 1.3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- 3.6mm Mega-Pixel Lens
- 30m IR Illumination
- PoE Support
- 1 Way Audio
- IP 66 Protection

## Specifications

Model	I3-390IP04	I3-380IP04
Image Sensor	Sony IMX122 1/3" CMOS	Sony IMX138 1/3" CMOS
Effective Pixels	1920x1080	1280x1024
Electronic Shutter	1/25s ~ 1/100000s	
Day & Night	ICR	
Min. Illumination	0lux (IR ON)	
Audio compression	G711A/U	
Communication	One Way Audio	
Image Settings	AWB, AGC Adjustable Exposure Mode (Auto / Manual) ROI (Region of interest) Setting Sharpness, Saturation, Brightness & Contrast Adjustable	
WDR Range	Digital WDR	
Noise Reduction	3D-DNR	
Image Orientation	Mirror/Flip/Vertical Mode	
Privacy Zone	Yes	
Motion Detection	Yes	
Video Compression	H.264	
Resolution	1080P (1920x1080)*, 960P (1280x960)**, 720P (1280x720), VGA, QVGA	
Multi-stream	1920x1080 (1~30fps)* / 1280x960 (1~30fps)** / 1280x720 (1~30fps) / 1280x720 (1~30fps) / 640x480 (1~30fps) / 320x240 (1~30fps)	
Bit rate	64Kbps ~ 8Mbps	64Kbps ~ 4Mbps
Encode Mode	VBR/CBR	
Image Quality	Five levels under VBR; Free adjustment under CBR	

IR Distance	30m (42 IR LED)
Lens	3.6mm
Iris	Fixed Iris
Lens Mount	14 mount
Water-proof	IP66
Bracket	3-Axis Wall Bracket
Dimensions	87mmx219mm
Weight(gross)	635g
Network	RJ45 (+PoE)
Power	DC Socket
Analog Video Output	CVBS (BNCx1)
Mic Connectivity	1Ch Input
SD Card	No
RS485	No
Alarm	No
Remote Monitoring	IE Browsing, CMS Control Software
User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission
Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP
ONVIF	Yes
Ethernet	100Mbps
PoE	Yes
Power Supply	DC12V/-500mA / PoE/-6.5W
Work Environment	-10 C ~50 C, 10%-90% Humidity

\*I3-390IP04 Model Only \*\*I3-380IP04 Model Only



# 30M IR FIXED LENS BULLET CAMERA

IP SOLUTION  
1.3MP

I3-380IPVF **NEW**

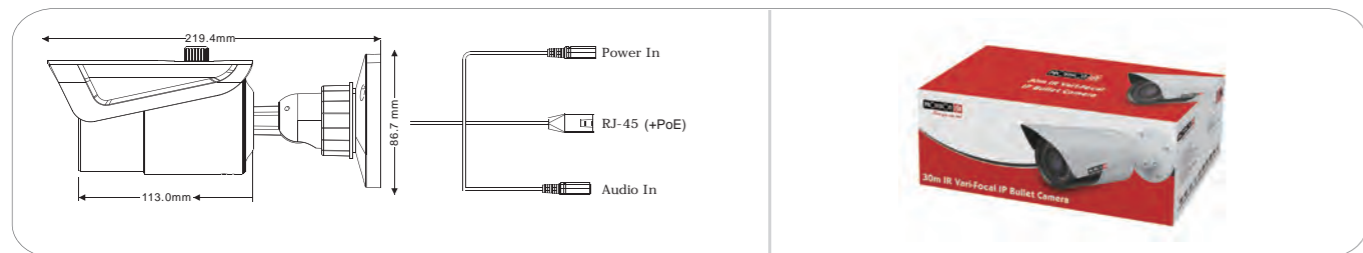


- 1.3MP
- ICR
- 0 Lux Minimum Illumination
- ONVIF
- D WDR
- 3D-DNR
- Motion Detection
- Vari-Focal
- One Way Audio
- 30M View
- PoE
- IP66 Protection Rating
- Mobile
- Internet Monitoring
- DDNS
- CMS

- 1/3" CMOS Sensor
- 1.3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- 2.8-12mm Vari-Focal Lens
- 30m IR Illumination
- PoE Support
- 1 Way Audio
- IP 66 Protection

## Specifications

Camera	Video	Model	I3-380IPVF	Housing	IR Distance	30m (42 IR LED)
		Image Sensor	Sony IMX138 1/3" CMOS		Lens	2.8.12mm
		Effective Pixels	1280x1024		Iris	Fixed Iris
		Electronic Shutter	1/25s ~ 1/100000s		Lens Mount	14 mount
		Day & Night	ICR		Water-proof	IP66
	Audio	Audio compression	G711A/U	Bracket	3-Axis Wall Bracket	
		Communication	One Way Audio	Dimensions	87mmx219m m	
	Image Enhancement	Image Settings	AWB, AGC Adjustable Exposure Mode (Auto / Manual) ROI (Region of interest) Setting Sharpness, Saturation, Brightness & Contrast Adjustable	Weight(gross)	635g	
		WDR Range	Digital WDR	Network	RJ45 (+PoE)	
		Noise Reduction	3D-DNR	Power	DC Socket	
Image Orientation		Mirror/Flip/Vertical Mode	Analog Video Output	No		
Privacy Zone		Yes	Mic Connectivity	1Ch Input		
Motion Detection		Yes	SD Card	No		
Video Compression		H.264	RS485	No		
Compression	Resolution	960P (1280x960), 720P (1280x720), VGA, QVGA 1280x960 (1~30fps) / 1280x720 (1~30fps) / 1280x720 (1~30fps) / 640x480 (1~30fps) / 320x240 (1~30fps)	Alarm	No		
	Multi-stream	64Kbps ~ 4Mbps	Remote Monitoring	IE Browsing, CMS Control Software		
	Bit rate	VBR/CBR	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission		
	Encode Mode		Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP		
	Image Quality	Five levels under VBR; Free adjustment under CBR	ONVIF	Yes		
			Ethernet	100Mbps		
Network		PoE	Yes			
		Power Supply	DC12V/-500mA / PoE/-6.5W			
		Work Environment	-10C~50C, 10%~90% Humidity			
Others						



# 40M IR VARI-FOCAL BULLET CAMERA

IP SOLUTION  
2MP  
1.3MP

† f •-€  
f •-€



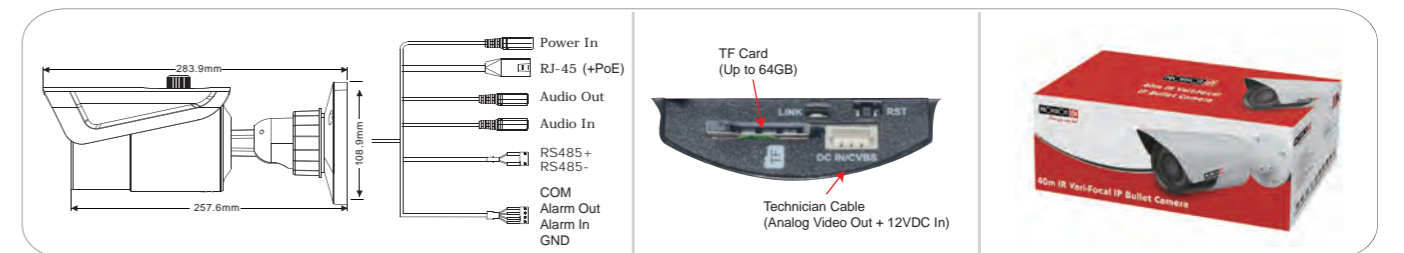
- 1.3-2MP
- ICR
- 0 Lux Minimum Illumination
- ONVIF
- D WDR
- 3D-DNR
- Motion Detection
- Vari-Focal
- 40M View
- PoE
- Local Storage
- RS-485
- I/O
- Two Way Audio
- IP66 Protection Rating
- DDNS
- CMS
- Internet Monitoring
- Mobile

- 1/3" CMOS Sensor
- 2 / 1.3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR

## Specifications

Camera	Video	Model	I4-390IPVF	I4-380IPVF	Housing	IR Distance	30m (42 IR LED)
		Image Sensor	Sony IMX122 1/3" CMOS	Sony IMX138 1/3" CMOS		Lens	2.8.12mm
		Effective Pixels	1920x1080	1280x720		Iris	Fixed Iris
		Electronic Shutter	1/25s ~ 1/100000s			Lens Mount	14 mount
		Day & Night	ICR			Water-proof	IP66
	Audio	Audio compression	G711A/U		Bracket	3-Axis Wall Bracket	
		Communication	One Way Audio	Two Way Audio	Dimensions	87mmx219m m	
	Image Enhancement	Image Settings	AWB, AGC Adjustable Exposure Mode (Auto / Manual) ROI (Region of interest) Setting Sharpness, Saturation, Brightness & Contrast Adjustable		Weight(gross)	635g	
		WDR Range	Digital WDR		Network	RJ45 (+PoE)	
		Noise Reduction	3D-DNR		Power	DC Socket	
Image Orientation		Mirror/Flip/Vertical Mode		Analog Video Output	No		
Privacy Zone		Yes		Mic Connectivity	1Ch Input		
Motion Detection		Yes		SD Card	No		
Video Compression		H.264		RS485	No		
Compression	Resolution	1080P (1920x1080)*, 960P (1280x960)**, 720P (1280x720), VGA, QVGA 1920x1080 (1~30fps)* / 1280x960 (1~30fps)** / 1280x720 (1~30fps) / 1280x720 (1~30fps) / 640x480 (1~30fps) / 320x240 (1~30fps)		Alarm	No		
	Multi-stream	64Kbps ~ 8Mbps		Remote Monitoring	IE Browsing, CMS Control Software		
	Bit rate	64Kbps ~ 4Mbps		User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission		
	Encode Mode	VBR/CBR		Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP		
	Image Quality	Five levels under VBR; Free adjustment under CBR		ONVIF	Yes		
				Ethernet	100Mbps		
Network		PoE	Yes				
		Power Supply	DC12V/-500mA / PoE/-6.5W				
		Work Environment	-10C~50C, 10%~90% Humidity				
Others							

\*I4-390IPVF Model Only \*\*I4-380IPVF Model Only



# IR FIXED LENS VANDAL-PROOF DOME CAMERA

DAI-380IPE36 **NEW**



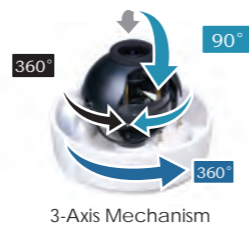
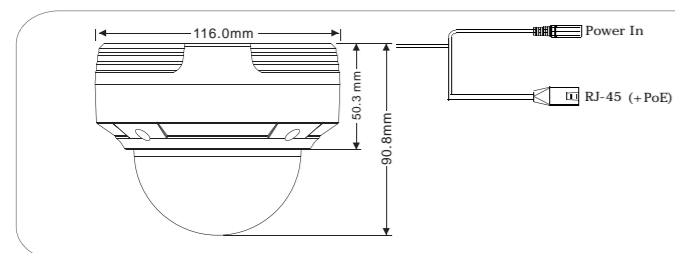
IP SOLUTION  
1.3MP



- 1/3" CMOS Sensor
- 1.3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- 3.6mm Mega-Pixel Lens
- 10m IR Illumination
- PoE Support
- IP 66 Protection
- Vandal-Proof

## Specifications

Camera	Video	Model	DAI-380IPE36	Housing	IR Distance	15m (24 IR LED)
		Image Sensor	1/3" CMOS		Lens	3.6mm
		Effective Pixels	1280x960		Iris	Fixed Iris
		Electronic Shutter	1/25s ~ 1/100000s		Lens Mount	14 mount
		Day & Night	ICR		Water-proof	IP66
		Min. Illumination	0lux (IR ON)		Bracket	3-Axis Gimbal
	Audio	Audio compression	No	Dimensions	116mmx91m m	
		Communication	No	Weight(gross)	605g	
	Image Enhancement	Image Settings	AWB, AGC Adjustable	Connectivity	Network	RJ45 (+PoE)
			Exposure Mode (Auto)		Power	DC Socket
Sharpness, Saturation, Brightness & Contrast Adjustable			Analog Video Output		No	
WDR Range		Digital WDR	Mic Connectivity	No		
Noise Reduction		3D-DNR	SD Card	No		
Image Orientation		Mirror/Flip	RS485	No		
Compression	Privacy Zone	Yes	Alarm	No		
	Motion Detection	Yes	Remote Monitoring	IE Browsing, CMS Control Software		
	Video Compression	H.264	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission		
	Resolution	960P (1280x960), 720P (1280x720), D1 (704x567), CIF (480x240)	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP		
Others	Multi-stream	D1 (1-30fps) / CIF (1-30fps)	ONVIF	Yes		
	Bit rate	64Kbps ~ 4Mbps	Ethernet	100Mbps		
	Encode Mode	VBR/CBR	PoE	Yes		
	Image Quality	Five levels under VBR; Free adjustment under CBR	Power Supply	DC12V/-440mA / PoE/-6.7W		
			Work Environment	-10 C ~50 C, 10%~90% Humidity		



# 30M IR FIXED LENS BULLET CAMERA

I3-380IPE36 **NEW**



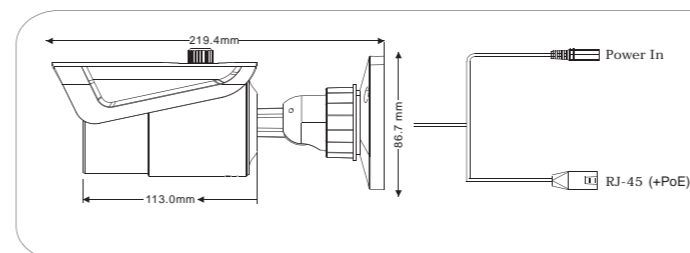
IP SOLUTION  
1.3MP



- 1/3" CMOS Sensor
- 1.3 Mega-Pixel
- True Day & Night (IR Cut Removable)
- 0 Lux (IR On) Min. Illumination
- ONVIF
- Digital WDR
- 3D Noise Reduction
- Motion Detection and Privacy Masking
- 3.6mm Mega-Pixel Lens
- 30m IR Illumination
- PoE Support
- IP 66 Protection

## Specifications

Camera	Video	Model	I3-380IPE36	Housing	IR Distance	30m (42 IR LED)
		Image Sensor	1/3" CMOS		Lens	3.6mm
		Effective Pixels	1280x960		Iris	Fixed Iris
		Electronic Shutter	1/25s ~ 1/100000s		Lens Mount	14 mount
		Day & Night	ICR		Water-proof	IP66
		Min. Illumination	0lux (IR ON)		Bracket	3-Axis Wall Bracket
	Audio	Audio compression	No	Dimensions	87mmx219m m	
		Communication	No	Weight(gross)	635g	
	Image Enhancement	Image Settings	AWB, AGC Adjustable	Connectivity	Network	RJ45 (+PoE)
			Exposure Mode (Auto)		Power	DC Socket
Sharpness, Saturation, Brightness & Contrast Adjustable			Analog Video Output		No	
WDR Range		Digital WDR	Mic Connectivity	No		
Noise Reduction		3D-DNR	SD Card	No		
Image Orientation		Mirror/Flip	RS485	No		
Compression	Privacy Zone	Yes	Alarm	No		
	Motion Detection	Yes	Remote Monitoring	IE Browsing, CMS Control Software		
	Video Compression	H.264	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission		
	Resolution	960P (1280x960), 720P (1280x720), D1 (704x567), CIF (480x240)	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP		
Others	Multi-stream	D1 (1-30fps) / CIF (1-30fps)	ONVIF	Yes		
	Bit rate	64Kbps ~ 4Mbps	Ethernet	100Mbps		
	Encode Mode	VBR/CBR	PoE	Yes		
	Image Quality	Five levels under VBR; Free adjustment under CBR	Power Supply	DC12V/-500mA / PoE/-6.5W		
			Work Environment	-10 C ~50 C, 10%~90% Humidity		



# FIXED LENS PLASTIC MINI-DOME CAMERA

DM-480IPE28

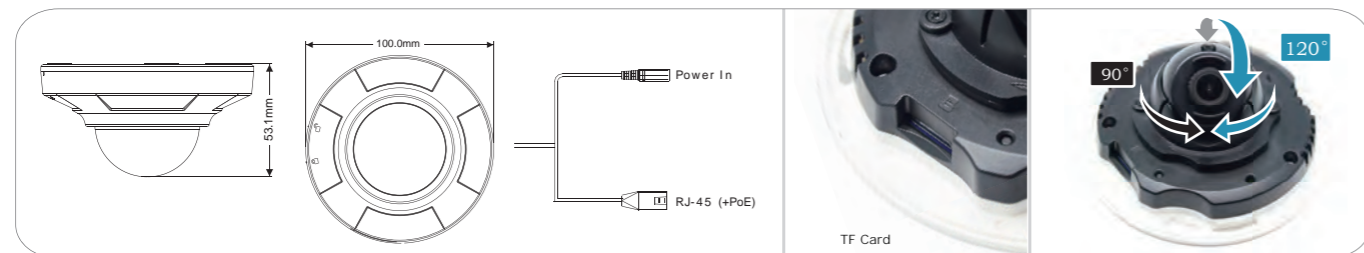


1/4" CMOS Sensor  
1.3 Mega-Pixel  
Min. Illumination: 0.5Lux  
ONVIF  
Digital WDR

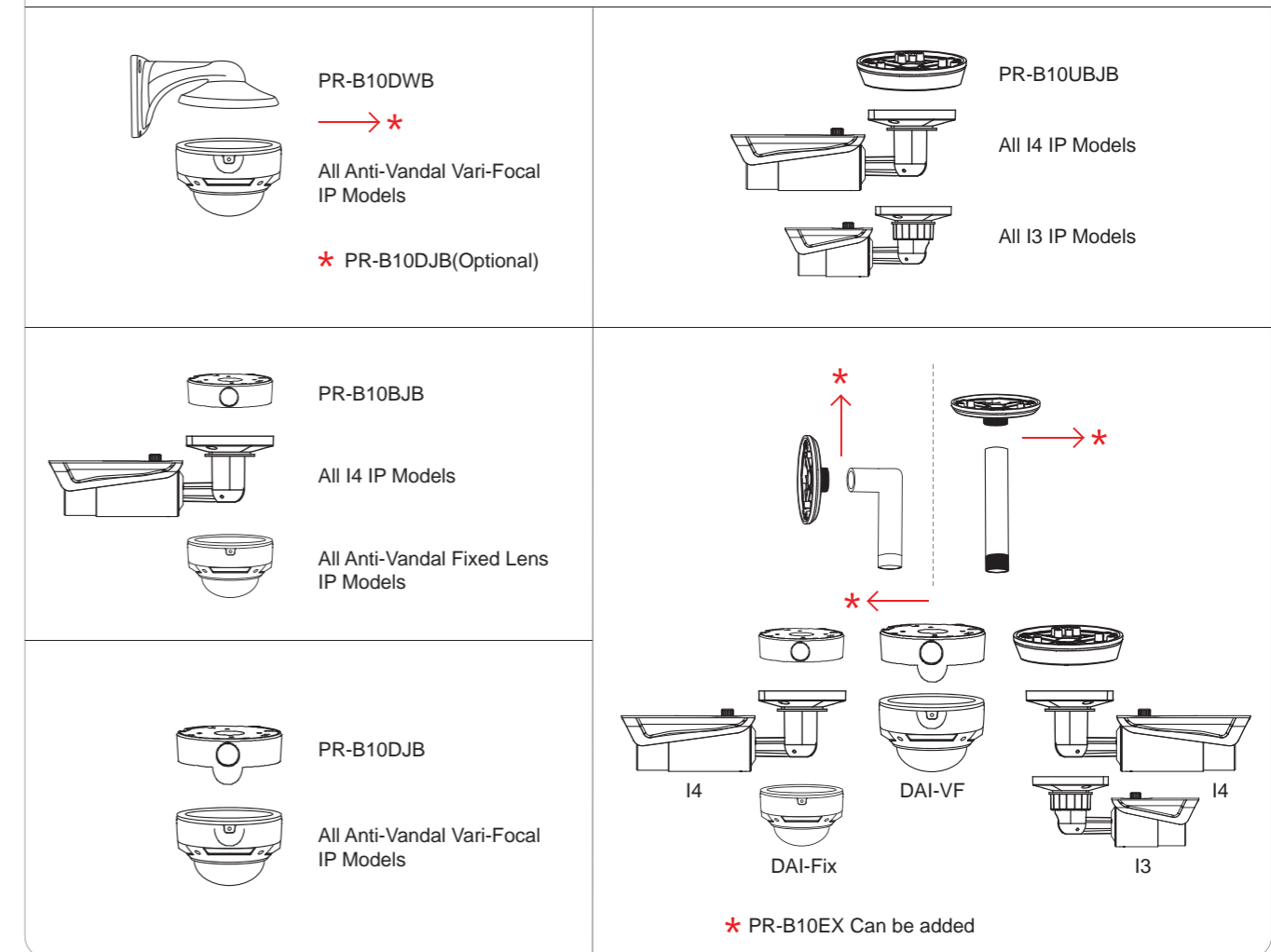
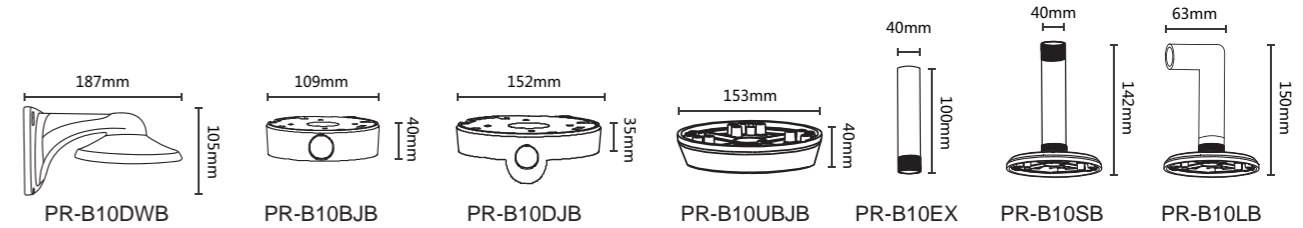
3D Noise Reduction  
Motion Detection and Privacy Masking  
2.8mm Mega-Pixel Lens  
PoE Support

## Specifications

Camera	Video	Model	DM-480IPE28	Housing	IR Distance	N/A
		Image Sensor	1/4" CMOS		Lens	2.8mm
		Effective Pixels	1280x720		Iris	Fixed Iris
		Electronic Shutter	1/25s ~ 1/100000s		Lens Mount	12 mount
		Day & Night	No		Water-proof	No
	Audio	Audio compression	No	Connectivity	Network	RJ45 (+PoE)
		Communication	No		Power	DC Socket
	Image Enhancement	Image Settings	AWB, AGC Adjustable Exposure Mode (Auto) Sharpness, Saturation, Brightness & Contrast Adjustable	Network	Analog Video Output	No
		WDR Range	Digital WDR		Mic Connectivity	No
		Noise Reduction	3D-DNR		SD Card	Support TF (64GB Max)
Image Orientation		Mirror/Flip	RS485		No	
Privacy Zone		Yes	Alarm		No	
Compression	Motion Detection	Yes	Others	Remote Monitoring	IE Browsing, CMS Control Software	
	Video Compression	H.264		User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission	
	Resolution	720P (1280x720) ,D1 (704x567) ,CIF (480x240)		Network Protocol	TCP/IP, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP	
	Multi-stream	1280x720 (1~30fps) D1 (1~30fps) / CIF (1~30fps)		ONVIF	Yes	
	Bit rate	64Kbps ~ 4Mbps		Ethernet	100Mbps	
Encode Mode	VBR/CBR	PoE	Yes			
Image Quality	Five levels under VBR; Free adjustment under CBR	Power Supply	DC12V/-130mA / PoE~2.4W			
		Work Environment	-10 C ~-50 C , 10%~90% Humidity			



## IP CAMERA BRACKETS



# IP Cameras Compare Table



	3MP			ECONOMIC 3MP			2MP							
Model Name	I3-310IP04	I4-310IPVF	DAI-310IPVF	DAI-310IPEH04	DAI-310IPEHVF	DI-310IPEHVF	I3-310IPEH04	I4-310IPEHVF	DAI-390IP04	DAI-390IPVF	DI-390IPVF	I3-390IP04	I4-390IPVF	BX-390IP
Image Sensor									1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Effective Pixels									2,073,600	2,073,600	2,073,600	2,073,600	2,073,600	2,073,600
Day & Night														
Min. Illumination														
Communication	•	—	•	—	—	—	—	—	•	•	•	•	•	•
Image Adjustment	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WDR	•••	•••	•••	•••	•••	•••								
Noise Reduction	••••	••••	••••	••••	••••	••••	•	•	•	•	•	•	•	•
Privacy Zone	-	-	-	-	-	-	••	••	••	••	••	••	••	••
Motion Detection	-	-	-	-	-	-	••	••	••	••	••	••	••	••
Video Compression	€,	€,	€,	€,	€,	€,	••	••	••	••	••	••	••	••
Max Resolution	f( )	f( )	f( )	f( )	f( )	f( )	( )	( )	,	,	,	,	,	,
Bit rate	††-% ‡	††-% ‡	††-% ‡	††-% ‡	††-% ‡	††-% ‡	f...†	f...†	f...†	f...†	f...†	f...†	f...†	f...†
Multi-stream	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IR Distance	š	š	š	š	š	š	‡	‡	‡	‡	‡	‡	‡	—
Lens	, šš	, • šš	, • šš	, šš	, • šš	, • šš	• ‡‡	• ‡‡	• ‡‡	• ‡‡	• ‡‡	• ‡‡	• ‡‡	• —
Iris	... (-	... (-	... (-	... (-	... (-	... (-	€ * %	€ * %	€ * %	€ * %	€ * %	€ * %	€ * %	• —
Lens Mount	œ š•	œ š•	œ š•	œ š•	œ š•	œ š•	š ‡	š ‡	š ‡	š ‡	š ‡	š ‡	š ‡	š ‡
Water-proof	f	f	f	f	f	f								—
Network	ž 'f'	ž 'f'	ž 'f'	ž 'f'	ž 'f'	ž 'f'	œ ž 'f'	œ ž 'f'	œ ž 'f'	œ ž 'f'	œ ž 'f'	œ ž 'f'	œ ž 'f'	œ ž 'f'
Power	• •	• •	• •	• •	• •	• •	(	(	(	(	(	(	(	(
Analog Video Output	—	•	•	—	—	—	—	—	"™™	"™™	"™™	"™™	"™™	"™™
Audio Input	•	•	•	—	—	—	—	—	•	•	•	•	•	•
Audio Output	—	•	•	—	—	—	—	—	•	•	•	•	•	•
SD Card	—	•	•	—	•	—	—	•	—	—	—	—	•	•
RS485	—	•	•	—	—	—	—	—	•	•	•	•	•	•
Alarm	—	—	š	—	—	—	—	—	•	•	•	•	•	•
Power Supply	• • f'	• • f'	• • f'	• • f'	• • f'	• • f'	" 'f'	" 'f'	" 'f'	" 'f'	" 'f'	" 'f'	" 'f'	" 'f'

# IP Cameras Compare Table



	1.3MP							1.3MP Economic		1MP	
Model Name	DAI-380IP04	DAI-380IPVF	DI-380IPVF	I3-380IP04	I3-380IPVF	I4-380IPVF		BX-380IP	DAI-380IPE36	I3-380IPE36	DM-480IPE28
Image Sensor								• "CE"			•
Effective Pixels								•			"
Day & Night								•	•		•
Min. Illumination								•••••	•••••		•(
Communication	••	"™" ••	••	••	••	"™" ••		— €- "™"••	—	—	—
Image Adjustment	•	•	•	•	•	•		•	•	•	•
WDR	••••• •	••••• •	••••• •	••••• •	••••• •	••••• •		••••€	••••€		
Noise Reduction	•••	•••	•••	•••	•••	•••		,f	,f		
Privacy Zone	- €	- €	- €	- €	- €	- €		"•••	"•••	••	••
Motion Detection	- €	- €	- €	- €	- €	- €		"•••	"•••	••	••
Video Compression	,f "	,f "	,f "	,f "	,f "	,f "		††	††	••	••
Max Resolution	•••† ‡•••	•••† ‡•••	•••† ‡•••	•••† ‡•••	•••† ‡•••	•••† ‡•••					" "
Bit rate	" %•Š€ ( %•Š€	" %•Š€ ( %•Š€	" %•Š€ ( %•Š€	" %•Š€ ( %•Š€	" %•Š€ ( %•Š€	" %•Š€ ( %•Š€		" %•Š€ ( %•Š€	" %•Š€ ( %•Š€	•-€• f •€•	•-€• f •€•
Multi-stream	•	•	•	•	•	•		•	•	•	•
IR Distance	CE	CE	CE					CE	CE	"	—
Lens		f•	f•	f•	f•	f•		‡, CECE	‡, CECE	•••	•••
Iris	Ž• • •€	Ž• • •€	Ž• • •€	Ž• • •€	Ž• • •€	Ž• • •€		Ž•• '•••	Ž•• '•••	•• †† •	•• †† •
Lens Mount	' •	' •	' •	' •	' •	' •		" CE••	" CE••	^ •, %•	^ •, %•
Water-proof	†••	†••	†••	†••	†••	†••		•	•		—
Network	' CE "†	' CE "†	' CE "†	' CE "†	' CE "†	' CE "†				Š•( CE %•Ž	
Power	• "••	• "••	• "••	• "••	• "••	• "••				%•'•	
Analog Video Output	— —	— —	— —	—	—	— —		™™ f•	—	—	—
Audio Input	•	•	•	•	•	•		•	—	—	—
Audio Output	—	•	—	—	—	•		•	—	—	—
SD Card	—	•	—	—	—	•		•	—	—	•
RS485	—	•	—	—	—	•		•	—	—	—
Alarm	—	•	—	—	—	•		•	—	—	—
Power Supply	• -†	• -†	• -†	• -†	• -†	• -†				" %•Ž	

# IP BASED SOLUTION Series

## IP PTZ



### Ultra-Z IP Network IR PTZ Camera

The IP Ultra-Z IR PTZ gives you the versatility of an IP camera while preserving all the best features and more of the Ultra-Z series: It is faster, More accurate and its video Performance is better than ever even in complete darkness!

With 2 resolutions (2MP & 1.3MP), and 2 Zoom ratios (x30 & x20), the IP Ultra-Z series will give you the desired versatility when designing the perfect video surveillance system for any scene.

### Ultra-Z IP Main Advantages:

**Ultra-Versatile**  
With IP capabilities, upgradable ONVIF protocol, Two way audio, In/Out Alarm, Dual Video Stream and Advanced H.264 compression, the Ultra-Z IP PTZ is compatible for almost all installation scenarios and needs.

**Ultra-Reachable**  
By supporting ONVIF and most of the other common network protocols the IP Ultra-Z can communicate with dozens of monitoring softwares and NVRs. Moreover, it has a built-in Web-Client for Viewing, controlling and configuring the camera locally and remotely.

**Ultra-Bright:**  
Equipped with smart IR LED array that reaches up to 100m-150m (Depends on model), this camera will be able to handle even pitch black scenes and give you superb results.

**Ultra-Accurate**  
Ultra-Z high speed series performs an outstanding "Preset" accuracy of up to 0.1° due to the unique Micro-step technology.

**Ultra-Rugged**  
The Ultra-Z has an ingress rating of IP66 against rain and dust that allows it to withstand some of the toughest environmental conditions for any outdoor installation.

**True Day & Night (ICR)**  
All Ultra-Z cameras come with Removable IR Cut filters, to improve low light performance.

**High Resolution**  
Ultra-Z cameras perform at a high definition resolution of 720P/1080P (Depends on Model)

## ULTRA-Z IP

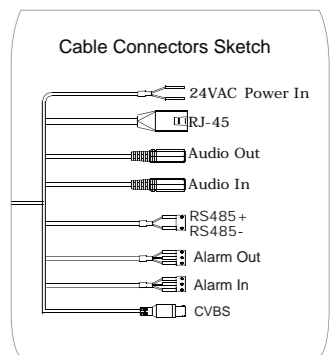
Z-20IP-2(IR)  
Z-20IP-1(IR)

IP SOLUTION  
2MP  
1.3MP



### Main Features:

- ONVIF
- Dual Video Stream
- H.264 Video Compression
- G.711/726 Audio Compression
- 2 Way Audio
- Alarm (I/O): 1 Input /1 Output
- RS485 Connectivity
- 100m/150m IR Distance (Depends on model)
- Preset speed of 350°/Sec (max)
- Preset accuracy up to 0.1°
- Endless 360° Pan Rotation
- 180° Continuous Tilt with Auto Flip
- 256 Preset Position
- 4 Pattern, 8 Scan Routes and 8 Cruise Lanes
- Auto Parking and Power-up Action
- Fully function web-client
- 3D-DNR Noise Reduction
- Digital WDR
- IP66 Water-proof and Dust-proof
- Excellent High Resolution Picture Quality
- True Day/Night with ICR Filter
- Enhanced Noise Reduction
- WB/BLC/AGC



### Specifications

	Model	Z-20IP-1 (IR)	Z-20IP-2 (IR)
Camera	Image Sensor	1/3" CMOS	1/2.8" CMOS
	Effective Pixels	1280x720	1920x1080
	Sync System	Progressive Scan	
	Electronic Shutter	1/25s ~ 1/10000s	
	Day & Night	ICR (Auto/Day/Night)	
	Min. Illumination	0.05 Lux (Color), 0.01 Lux (B&W), 0 Lux (IR On)	
	S/N Ratio	>52dB	
	Optical Zoom	x20 (F1.6~4.7mm - F3.5~97mm)	
	Digital Zoom	x12	
	Focus	Auto / Manual	
Lens	Minimum Focus Distance	1m	
	Horizontal Angle of View	58.3° (Wide) ~ 3.2° (Tele)	61.4° (Wide) ~ 2.9° (Tele)
Audio	Audio compression	G.711-U/G.711-A Law/G.726	
	Communication	Two Way Audio	
Image Enhancement	Image Settings	AWB Adjustable Exposure Mode Sharpness, Saturation, Brightness & Contrast Adjustable Auto Gain Adjustable	
	BLC	Yes	
	Sense-Up	Yes (5 Levels)	
	WDR Range	Digital WDR	
	Noise Reduction	3D-DNR	
	Image Orientation	Mirror/Flip	
	Privacy Zone	Yes	
	Motion Detection	Yes	
Compression	Video Compression	H.264 Main Profile MJPEG/JPEG Baseline	
	Resolution	Main Stream: 960P, 720P Sub-Stream: D1, CIF	Main Stream: 1080P, 720P Sub-Stream: D1, CIF
	Multi-stream	1280x720(1~30fps) D1(1~30fps) / CIF (1~30fps)	1920x1280 (1~30fps) 1280x720 (1~30fps) D1 (1~30fps) / CIF (1~30fps)
	Bit rate	64Kbps ~ 4Mbps	
	Encode Mode	VBR/CBR	
	Image Quality	Six levels under VBR; Free adjustment under CBR	

Network	Remote Monitoring	IE Browsing, CMS 3.0 Control Software
	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTP, RTSP, UPnP, SNMP, PPPoE, DNS, DDNS, SMTP, FTP, HTTP, HTTPS, IPv4, IPv6
	ONVIF	Yes
Pan/Tilt	Ethernet	100Mbps
	PoE	No
	Pan/Tilt Range	360° (Endless) / -10°~180° (Auto Flip)
	Pan/Tilt Speed	Max Preset Speed: Horizontal: 350°/s, Vertical: 120°/s Horizontal: 0.01°/s - 350°/s, Vertical: 0.01°/s - 120°/s
	Presets	256
	Patterns	4
	Cruise	8
	Scan	8
Housing	Schedule	Yes
	IR Distance	150m
	Water-proof	IP66
	Wiper	Optional
Connectivity	Fan & Heater	Optional
	Bracket	Wall Bracket
	Dimensions	354Lx341Hx228W
	Weight(gross)	5.8Kg
	Network	RJ45
	Power	DC Socket
Others	Analog Video Output	Yes
	Audio Connectivity	1Ch In / 1Ch Out
	SD Card	No
	RS485	Yes
Power	Alarm	1Ch In / 1Ch Out
	Power Supply	AC24V±10%
Work Environment	-10 C ~50 C, 10%~90% Humidity	

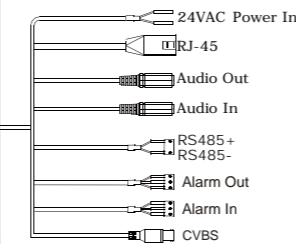
# ULTRA-Z IP

Z-30IP-2(IR)  
Z-30IP-1(IR)



X30

Cable Connectors Sketch



### Main Features:

- ONVIF
- Dual Video Stream
- H.264 Video Compression
- G.711/726 Audio Compression
- 2 Way Audio
- Alarm (I/O): 1 Input /1 Output
- RS485 Connectivity
- 100m/150m IR Distance (Depends on model)
- Preset speed of 350°/Sec (max)
- Preset accuracy up to 0.1°
- Endless 360° Pan Rotation
- 180° Continuous Tilt with Auto Flip
- 256 Preset Position
- 4 Pattern, 8 Scan Routes and 8 Cruise Lanes
- Auto Parking and Power-up Action
- Fully function web-client
- 3D-DNR Noise Reduction
- Digital WDR
- IP66 Water-proof and Dust-proof
- Excellent High Resolution Picture Quality
- True Day/Night with ICR Filter
- Enhanced Noise Reduction
- WB/BLC/AGC

### Specifications

Camera	Model		
	Z-30IP-1 (IR)	Z-30IP-2 (IR)	
Video	Image Sensor	1/3" CMOS	1/2.8" CMOS
	Effective Pixels	1280x720	1920x1080
	Sync System	Progressive Scan	
	Electronic Shutter	1/25s ~ 1/30000s	
	Day & Night	ICR (Auto/Day/Night)	
	Min. Illumination	0.05 Lux (Color), 0.01 Lux (B&W), 0 Lux (IR On)	
Lens	S/N Ratio	>52dB	
	Optical Zoom	x30 (F1.6-4.3mm - F5-129mm)	
	Digital Zoom	x12	
	Focus	Auto / Manual	
Audio	Minimum Focus Distance	1m	
	Horizontal Angle of View	58.9° (Wide) ~ 2.11° (Tele)	65.1° (Wide) ~ 2.34° (Tele)
Image Enhancement	Audio compression	G.711-U/G.711-A Law/G.726	
	Communication	Two Way Audio	
	Image Settings	AWB Adjustable	
		Exposure Mode	
	Sharpness, Saturation, Brightness & Contrast Adjustable		
	Auto Gain Adjustable		
	BLC	Yes	
	Sense-Up	Yes (5 Levels)	
	WDR Range	Digital WDR	
	Noise Reduction	3D-DNR	
Image Orientation	Mirror/Flip		
Compression	Privacy Zone	Yes	
	Motion Detection	Yes	
Compression	Video Compression	H.264 Main Profile MJPEG/JPEG Baseline	
	Resolution	Main Stream: 960P, 720P Sub-Stream: D1, CIF	Main Stream: 1080P, 720P Sub-Stream: D1, CIF
	Multi-stream	1280x720(1-30fps) D1(1-30fps) / CIF (1-30fps)	1920x1280 (1-30fps) 1280x720 (1-30fps) D1 (1-30fps) / CIF (1-30fps)
	Bit rate	64Kbps ~ 4Mbps	
	Encode Mode	VBR/CBR	
	Image Quality	Six levels under VBR; Free adjustment under CBR	

Network	Remote Monitoring	IE Browsing, CMS 3.0 Control Software	
	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission	
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTP, RTSP, UPnP, SNMP, PPPoE, DNS, DDNS, SMTp, FTP, HTTP, HTTPS, IPv4, IPv6	
	Ethernet	100Mbps	
Pan/Tilt	PoE	No	
	Pan/Tilt Range	360° (Endless) / -10°~180° (Auto Flip)	
	Pan/Tilt Speed	Max Preset Speed: Horizontal: 350°/s, Vertical: 120°/s Horizontal: 0.01°/s - 350°/s, Vertical: 0.01°/s - 120°/s	
	Presets	256	
Housing	Patterns	4	
	Cruise	8	
	Scan	8	
	Schedule	Yes	
Connectivity	IR Distance	150m	
	Water-proof	IP66	
	Wiper	Optional	
	Fan & Heater	Optional	
Others	Bracket	Wall Bracket	
	Dimensions	354Lx341Hx228W	
	Weight(gross)	5.8Kg	
	Network	RJ45	
Power	Power	DC Socket	
	Analog Video Output	Yes	
	Audio Connectivity	1Ch In / 1Ch Out	
	SD Card	No	
Work Environment	RS485	Yes	
	Alarm	1Ch In / 1Ch Out	
	Power Supply	AC24V±10%	
	Work Environment	-10 C ~50 C, 10%~90% Humidity	

## IP-PTZ BRACKETS

<p><b>Standard Wall Bracket</b></p> <p>Provided with the Camera</p>	<p><b>Ceiling Bracket</b></p> <p>Model: PR-B30C</p>
<p><b>Internal Corner Bracket</b></p> <p>Model: PR-B30IC</p>	<p><b>Pole Mount Bracket</b></p> <p>Model: PR-B30P</p>
<p><b>External Corner Bracket</b></p> <p>Model: PR-B30EC</p>	

## NVRs

On a standard installation - the NVR will be the heart of the IP System. It is responsible for the proper communication with the cameras and the constant recording of all the data received from the connected cameras. Unlike DVRs, the NVR doesn't compress the video signal received from the IP camera but just stores it the way it is since it is already compressed by the camera.

All of the NVRs support ONVIF that can be upgraded when newer versions are released. ONVIF is a communication protocol for IP cameras and NVRs. It became the standard protocol and assists IP cameras and NVRs from different companies to be able and interact with each other simply and effectively. Our engineers keep improving and updating the ONVIF compatibility of our IP equipment in order to give the installers the easiest way of working with Provision-ISR IP Products.

Provision-ISR NVRs support HD recording of 3MP, 1080P, 960P and 720P and divided into two product lines:

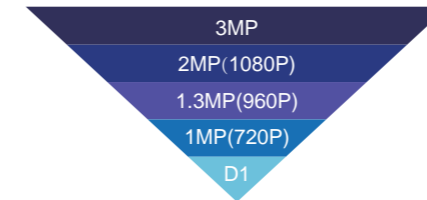
**Conventional NVRs:** This line of NVRs is connected to the network and communicates with the IP cameras through the general network, without the need of direct IP camera connection. This provides the installer highest flexibility in the design of the system and the wiring. Basic knowledge in networking and general IP configuration is required.

**PoE NVRs:** This line of NVRs performs as a local network switch and creating a closed internal network for the IP cameras. The IP cameras will be connected directly to the NVR by one network cable which will provide PoE power and automatically configure the camera for display & record. These NVRs may also perform as a conventional NVRs by dedicating some of the channels to communicating with any ONVIF cameras connected to the network. Minimum to no knowledge in network and IP configuration is needed for this type of installation.



### Understanding the Model Marking

HD Resolutions are like an inverted piramide.



If a NVR Supports a resolution from the top of the piramide, it will support all resolutions lower than it. For example if a NVR supports 3MP (Real-Time) it will support 2MP, 1.3MP and 1MP (Real-Time)

Model Names (Model Name Starting with):

- NVR - 720P Real-Time
- NVR2 - 1080P Real-Time
- NVR3 - 3MP Real-Time

720P 960P 1080P

The first supported resolution from the left is real time for all channels. All the following resolutions are non-real-time or real-time for some of the channels.

3MP

The Marked supported resolution and all the resolutions below are real-time for all channels.



All Channels support 1MP (720P) Real-Time. Lower resolutions are supported in Real-Time. Higher resolutions might be supported - check technical Specs.



All Channels support 2MP (1080P) Real-Time. Lower resolutions are supported in Real-Time. Higher resolutions might be supported - check technical Specs.



All Channels support 3MP Real-Time. Lower resolutions are supported in Real-Time. Higher resolutions might be supported - check technical Specs.

**Coming Soon**

The NVR is not under mass production yet. Therefore the published specs might change when the NVR is released.



### 4 CH NVR

NVR-4100

720P 960P 1080P



MODEL	NVR-4100	
Video	Input	4CH Over Network
	Output	CVBS (Spot), HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	16Mbps
	Outgoing	16Mbps
Recording	Real-Time Recording	4CH 720P Real-Time
	3MP	No
	2MP (1080P)	60FPS (NTSC)/50FPS (PAL) Total. Up to 15/12FPS Per Channel
	1.3MP (960P)	75FPS (NTSC)/90FPS (PAL) Total. Up to 30/25FPS Per Channel
	1MP (720P)	120FPS (NTSC)/100FPS (PAL)
	960H	No
	D1	120FPS (NTSC)/100FPS (PAL)
	CIF	No
Recording Modes		Schedule, Manual, Motion, Sensor
Playback	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	2 USB 2.0 Port
	DVD Burner	No
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
User Access		20 Users Online with Professional Authority Management
Alarm	Input	4
	Output	1
Storage	HDD	1 SATA (4TB)
	E-SATA	No
PTZ	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	Yes
Network	Ethernet	100 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
	ONVIF	Yes
PoE	Ports	No
	Interface	No
	Standard	No
	Total Power	No
	Max. Power Consumption (Per Channel)	No
Others	Power Supply	12V/2A
	Power Consumption (No HDD)	5W
	Dimension	W300xD260xH55mm
	Operation Temperature	0°C -50°C

### 4 CH NVR

NVR2-4100 (MM)

Coming Soon

1080P



\*The Technical Specs. may change when the DVR is officially released

MODEL	NVR2-4100 (MM)	
Video	Input	4CH Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	Depends on Camera Stream
	Output	No
	Two Way Audio	No
Bandwidth	Incoming	32Mbps
	Outgoing	32Mbps
Recording	Real-Time Recording	4CH 1080P Real-Time
	3MP	No
	2MP (1080P)	120FPS (NTSC)/100FPS (PAL)
	1.3MP (960P)	120FPS (NTSC)/100FPS (PAL)
	1MP (720P)	120FPS (NTSC)/100FPS (PAL)
	960H	No
	D1	120FPS (NTSC)/100FPS (PAL)
	CIF	No
Recording Modes		Schedule, Manual, Motion, Sensor
Playback	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	2 USB 2.0 Port
	DVD Burner	No
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
User Access		20 Users Online with Professional Authority Management
Alarm	Input	No
	Output	No
Storage	HDD	1 SATA (4TB)
	E-SATA	No
PTZ	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	No
Network	Ethernet	100 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
	ONVIF	Yes
PoE	Ports	No
	Interface	No
	Standard	No
	Total Power	No
	Max. Power Consumption (Per Channel)	No
Others	Power Supply	12V/2A
	Power Consumption (No HDD)	5W
	Dimension	W255xD200xH43mm
	Operation Temperature	0°C -50°C

### 4CH PoE NVR

NVR-4100P

720P 960P 1080P



MODEL	NVR-4100P	
Video	Input	4CH RJ45 Direct Connection / Over Network
	Output	CVBS (Spot), HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	16Mbps
	Outgoing	16Mbps
Recording	Real-Time Recording	4CH 720P Real-Time
	3MP	No
	2MP (1080P)	60FPS (NTSC)/50FPS (PAL) Total. Up to 15/12FPS Per Channel
	1.3MP (960P)	75FPS (NTSC)/90FPS (PAL) Total. Up to 30/25FPS Per Channel
	1MP (720P)	120FPS (NTSC)/100FPS (PAL)
	960H	No
	D1	120FPS (NTSC)/100FPS (PAL)
	CIF	No
	Recording Modes	Schedule, Manual, Motion, Sensor
Playback	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	2 USB 2.0 Port
	DVD Burner	No
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
Storage	HDD	1 SATA (4TB)
	E-SATA	No
PTZ	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	Yes (for PTZ Controller)
Network	Ethernet	100 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
	ONVIF	Yes
PoE	Ports	Yes (4CH)
	Interface	10/100Mbps
	Standard	IEEE802.3AF
	Total Power	48W (Average 12W per Channel)
	Max. Power Consumption (Per Channel)	15W
Others	Power Supply	12V/3A +AC48V/1A
	Power Consumption (No HDD)	7W
	Dimention	W300xD260xH55mm
	Operation Temperature	0°C -50°C

### 8CH NVR

NVR-8200

720P 960P 1080P



MODEL	NVR-8200	
Video	Input	8CH Over Network
	Output	CVBS (Spot), HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	32Mbps
	Outgoing	16Mbps
Recording	Real-Time Recording	8CH 720P Real-Time
	3MP	No
	2MP (1080P)	120FPS (NTSC)/100FPS (PAL) Total. Up to 15/12FPS Per Channel
	1.3MP (960P)	180FPS (NTSC)/150FPS (PAL) Total. Up to 30/25FPS Per Channel
	1MP (720P)	240FPS (NTSC)/200FPS (PAL)
	960H	No
	D1	240FPS (NTSC)/200FPS (PAL)
	CIF	No
	Recording Modes	Schedule, Manual, Motion, Sensor
Playback	Playback Channel	8CH
	Search Mode	Time, Event, File Management
Backup	USB	2 USB 2.0 Port
	DVD Burner	No
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
Storage	HDD	1 SATA (4TB)
	E-SATA	No
PTZ	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	Yes
Network	Ethernet	100 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
	ONVIF	Yes
PoE	Ports	No
	Interface	No
	Standard	No
	Total Power	No
	Max. Power Consumption (Per Channel)	No
Others	Power Supply	12V/2A
	Power Consumption (No HDD)	5W
	Dimention	W300xD260xH55mm
	Operation Temperature	0°C -50°C

### 8CH NVR

NVR2-8200 (MM) **Coming Soon**

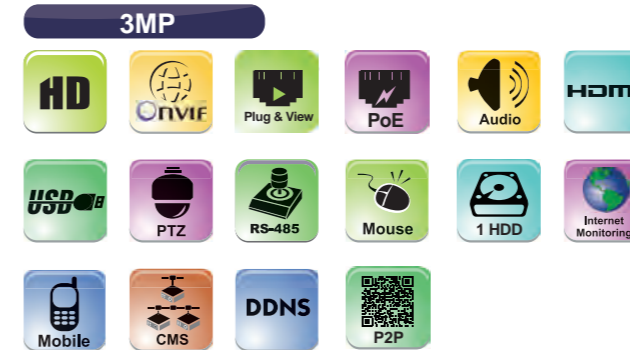


\*The Technical Specs. may change when the DVR is officially released

MODEL	NVR2-8200 (MM)	
Video	Input	8CH Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	Depends on Camera Stream
	Output	No
	Two Way Audio	No
Bandwidth	Incoming	64Mbps
	Outgoing	32Mbps
Recording	Real-Time Recording	8CH 1080P Real-Time
	3MP	No
	2MP (1080P)	240FPS (NTSC)/200FPS (PAL)
	1.3MP (960P)	240FPS (NTSC)/200FPS (PAL)
	1MP (720P)	240FPS (NTSC)/200FPS (PAL)
	960H	No
	D1	240FPS (NTSC)/200FPS (PAL)
	CIF	No
Recording Modes		Schedule, Manual, Motion, Sensor
Playback	Playback Channel	8CH
	Search Mode	Time, Event, File Management
Backup	USB	2 USB 2.0 Port
	DVD Burner	No
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
User Access		20 Users Online with Professional Authority Management
Alarm	Input	No
	Output	No
Storage	HDD	1 SATA (4TB)
	E-SATA	No
PTZ	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	No
Network	Ethernet	100 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
	ONVIF	Yes
PoE	Ports	No
	Interface	No
	Standard	No
	Total Power	No
	Max. Power Consumption (Per Channel)	No
Others	Power Supply	12V/2A
	Power Consumption (No HDD)	5W
	Dimension	W255xD200xH43mm
	Operation Temperature	0°C -50°C

### 8CH NVR (4CH PoE)

NVR3-8200-4P



MODEL	NVR3-8200-4P	
Video	Input	4CH Over Network + 4CH RJ45 Direct Connection / Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	64Mbps
	Outgoing	32Mbps
Recording	Real-Time Recording	8CH 3MP Real-Time
	3MP	240FPS (NTSC)/200FPS (PAL)
	2MP (1080P)	240FPS (NTSC)/200FPS (PAL)
	1.3MP (960P)	240FPS (NTSC)/200FPS (PAL)
	1MP (720P)	240FPS (NTSC)/200FPS (PAL)
	960H	No
	D1	240FPS (NTSC)/200FPS (PAL)
	CIF	No
Recording Modes		Schedule, Manual, Motion, Sensor
Playback	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	1 USB 2.0 + 1 USB 3.0 Ports
	DVD Burner	No
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
User Access		20 Users Online with Professional Authority Management
Alarm	Input	4
	Output	1
Storage	HDD	1 SATA (4TB)
	E-SATA	No
PTZ	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	Yes
Network	Ethernet	100 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
	ONVIF	W300xD260xH55mm
PoE	Ports	Yes (4CH)
	Interface	10/100Mbps
	Standard	IEEE802.3AF
	Total Power	48W (Average 12W per Channel)
	Max. Power Consumption (Per Channel)	15W
Others	Power Supply	12V/3A +AC48V/1A
	Power Consumption (No HDD)	12W
	Dimension	W300xD260xH55mm
	Operation Temperature	0°C -50°C

### 8CH NVR

NVR3-8200(1U)

3MP



NVR3



MODEL	NVR3-8200(1U)	
Video	Input	8CH Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	64Mbps
	Outgoing	32Mbps
Recording	Real-Time Recording	8CH 3MP Real-Time
	3MP	240FPS (NTSC)/200FPS (PAL)
	2MP (1080P)	240FPS (NTSC)/200FPS (PAL)
	1.3MP (960P)	240FPS (NTSC)/200FPS (PAL)
	1MP (720P)	240FPS (NTSC)/200FPS (PAL)
	960H	No
	D1	240FPS (NTSC)/200FPS (PAL)
	CIF	No
Playback	Recording Modes	Schedule, Manual, Motion, Sensor
	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	1 USB 2.0 + 1 USB 3.0 Ports
	DVD Burner	Optional
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
	Input	4
Storage	Output	1
	HDD	2 SATA (4TB)
PTZ	E-SATA	No
	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
Network	RS-485	Yes
	Ethernet	1000 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
PoE	ONVIF	Yes
	Ports	No
	Interface	No
	Standard	No
	Total Power	No
Others	Max. Power Consumption (Per Channel)	No
	Power Supply	12V/3A
	Power Consumption (No HDD)	10W
	Dimention	W430 x D300 x H55
Operation Temperature	0°C -50°C	

### 16CH NVR

NVR-16400

720P 960P 1080P



NVR



MODEL	NVR-16400	
Video	Input	16CH Over Network
	Output	CVBS (Spot), HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	48Mbps
	Outgoing	32Mbps
Recording	Real-Time Recording	16CH 720P Real-Time
	3MP	No
	2MP (1080P)	240FPS (NTSC)/200FPS (PAL) Total. Up to 15/12FPS Per Channel
	1.3MP (960P)	360FPS (NTSC)/300FPS (PAL) Total. Up to 30/25FPS Per Channel
	1MP (720P)	480FPS (NTSC)/200FPS (PAL)
	960H	No
	D1	480FPS (NTSC)/200FPS (PAL)
	CIF	No
Playback	Recording Modes	Schedule, Manual, Motion, Sensor
	Playback Channel	8CH
	Search Mode	Time, Event, File Management
Backup	USB	2 USB 2.0 Port
	DVD Burner	No
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
	Input	8
Storage	Output	1
	HDD	1 SATA (4TB)
PTZ	E-SATA	No
	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
Network	RS-485	Yes
	Ethernet	100 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
PoE	ONVIF	Yes
	Ports	No
	Interface	No
	Standard	No
	Total Power	No
Others	Max. Power Consumption (Per Channel)	No
	Power Supply	12V/2A
	Power Consumption (No HDD)	5W
	Dimention	W300xD260xH55mm
Operation Temperature	0°C -50°C	

# 16CH NVR

NVR3-16400(MM)



MODEL	NVR3-16400(MM)	
Video	Input	16CH Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	128Mbps
	Outgoing	32Mbps
Recording	Real-Time Recording	16CH 3MP Real-Time
	3MP	480FPS (NTSC)/400FPS (PAL)
	2MP (1080P)	480FPS (NTSC)/400FPS (PAL)
	1.3MP (960P)	480FPS (NTSC)/400FPS (PAL)
	1MP (720P)	480FPS (NTSC)/400FPS (PAL)
	960H	No
	D1	480FPS (NTSC)/400FPS (PAL)
	CIF	No
Playback	Recording Modes	Schedule, Manual, Motion, Sensor
	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	1 USB 2.0 + 1 USB 3.0 Ports
	DVD Burner	No
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
	Input	No (Only from IPC)
Storage	Output	No
	HDD	1 SATA (4TB)
PTZ	E-SATA	No
	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
Network	RS-485	No
	Ethernet	1000 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
PoE	ONVIF	Yes
	Ports	No
	Interface	No
	Standard	No
	Total Power	No
Others	Max. Power Consumption (Per Channel)	No
	Power Supply	12V/3A
	Power Consumption (No HDD)	10W
	Dimension	W255xD200xH43mm
Operation Temperature	0°C -50°C	

# 16CH NVR

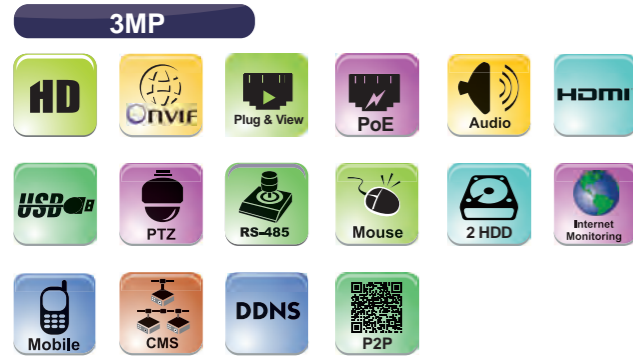
NVR3-16400(1U)



MODEL	NVR3-16400(1U)	
Video	Input	16CH Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	128Mbps
	Outgoing	32Mbps
Recording	Real-Time Recording	16CH 3MP Real-Time
	3MP	480FPS (NTSC)/400FPS (PAL)
	2MP (1080P)	480FPS (NTSC)/400FPS (PAL)
	1.3MP (960P)	480FPS (NTSC)/400FPS (PAL)
	1MP (720P)	480FPS (NTSC)/400FPS (PAL)
	960H	No
	D1	480FPS (NTSC)/400FPS (PAL)
	CIF	No
Playback	Recording Modes	Schedule, Manual, Motion, Sensor
	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	1 USB 2.0 + 1 USB 3.0 Ports
	DVD Burner	Optional
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
	Input	4
Storage	Output	1
	HDD	2 SATA (4TB)
PTZ	E-SATA	No
	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
Network	RS-485	Yes
	Ethernet	1000 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
PoE	ONVIF	Yes
	Ports	No
	Interface	No
	Standard	No
	Total Power	No
Others	Max. Power Consumption (Per Channel)	No
	Power Supply	12V/3A
	Power Consumption (No HDD)	10W
	Dimension	W430 x D300 x H55
Operation Temperature	0°C -50°C	

### 16CH NVR (8CH PoE)

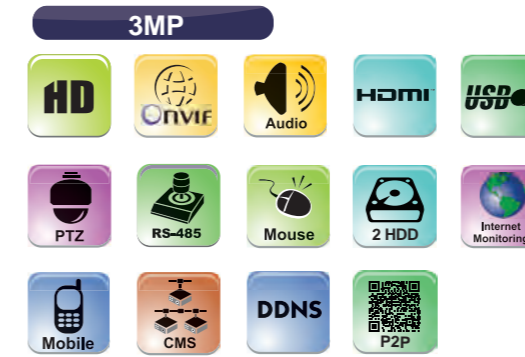
NVR3-16400-8P(1U)



MODEL	NVR3-16400-8P(1U)	
Video	Input	8CH Over Network + 8CH RJ45 Direct Connection / Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	128Mbps
	Outgoing	32Mbps
Recording	Real-Time Recording	16CH 3MP Real-Time
	3MP	480FPS (NTSC)/400FPS (PAL)
	2MP (1080P)	480FPS (NTSC)/400FPS (PAL)
	1.3MP (960P)	480FPS (NTSC)/400FPS (PAL)
	1MP (720P)	480FPS (NTSC)/400FPS (PAL)
	960H	No
	D1	480FPS (NTSC)/400FPS (PAL)
	CIF	No
	Recording Modes	Schedule, Manual, Motion, Sensor
Playback	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	1 USB 2.0 + 1 USB 3.0 Ports
	DVD Burner	Optional
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
	Input	4
Storage	Output	1
	HDD	2 SATA (4TB)
PTZ	E-SATA	No
	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
Network	RS-485	Yes
	Ethernet	1000 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
PoE	ONVIF	Yes
	Ports	Yes (8CH)
	Interface	10/100Mbps
	Standard	IEEE802.3AF
	Total Power	120W (Average 15W Per Channel)
Others	Max. Power Consumption (Per Channel)	15W
	Power Supply	AC110V/220V
	Power Consumption (No HDD)	12W
	Dimension	W430 x D300 x H55
Operation Temperature	0°C -50°C	

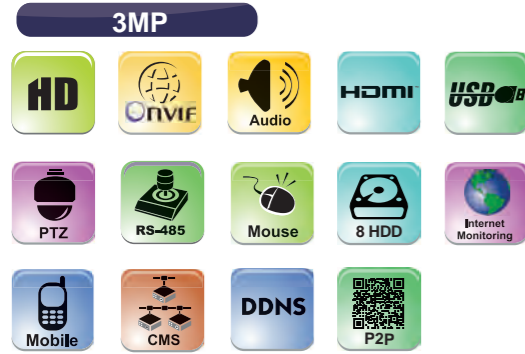
### 32CH NVR

NVR3-32800(1U)



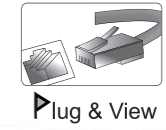
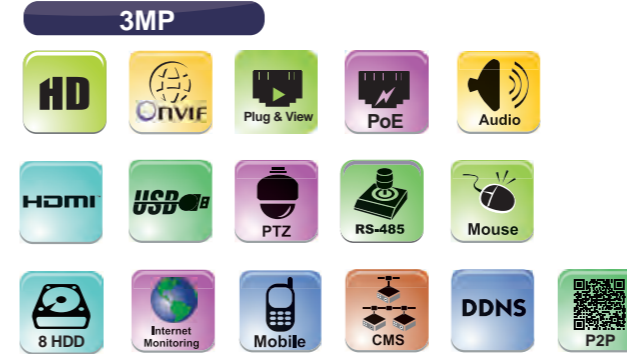
MODEL	NVR3-32800(1U)	
Video	Input	32CH Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	200Mbps
	Outgoing	24Mbps
Recording	Real-Time Recording	32CH 3MP Real-Time
	3MP	960FPS (NTSC)/800FPS (PAL)
	2MP (1080P)	960FPS (NTSC)/800FPS (PAL)
	1.3MP (960P)	960FPS (NTSC)/800FPS (PAL)
	1MP (720P)	960FPS (NTSC)/800FPS (PAL)
	960H	No
	D1	960FPS (NTSC)/800FPS (PAL)
	CIF	No
	Recording Modes	Schedule, Manual, Motion, Sensor
Playback	Playback Channel	4CH
	Search Mode	Time, Event, File Management
Backup	USB	1 USB 2.0 + 1 USB 3.0 Ports
	DVD Burner	Optional
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
	Input	4
Storage	Output	1
	HDD	2 SATA (4TB)
PTZ	E-SATA	No
	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
Network	RS-485	Yes
	Ethernet	1000 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
PoE	ONVIF	Yes
	Ports	No
	Interface	No
	Standard	No
	Total Power	No
Others	Max. Power Consumption (Per Channel)	No
	Power Supply	12V/3A
	Power Consumption (No HDD)	10W
	Dimension	W430 x D300 x H55
Operation Temperature	0°C -50°C	

### 32CH NVR NVR3-32800(2U)



MODEL	NVR3-32800(2U)	
Video	Input	32CH Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	200Mbps
	Outgoing	24Mbps
Recording	Real-Time Recording	32CH 3MP Real-Time
	3MP	960FPS (NTSC)/800FPS (PAL)
	2MP (1080P)	960FPS (NTSC)/800FPS (PAL)
	1.3MP (960P)	960FPS (NTSC)/800FPS (PAL)
	1MP (720P)	960FPS (NTSC)/800FPS (PAL)
	960H	No
	D1	960FPS (NTSC)/800FPS (PAL)
	CIF	No
	Recording Modes	Schedule, Manual, Motion, Sensor
	Playback	Playback Channel
Search Mode		Time, Event, File Management
Backup	USB	1 USB 2.0 + 1 USB 3.0 Ports
	DVD Burner	Optional
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
Storage	HDD	8 SATA (4TB)
	E-SATA	2
PTZ	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	Yes
Network	Ethernet	1000 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
	ONVIF	Yes
PoE	Ports	No
	Interface	No
	Standard	No
	Total Power	No
	Max. Power Consumption (Per Channel)	No
Others	Power Supply	AC110V/220V
	Power Consumption (No HDD)	15W
	Dimension	W430 x D450 x H89
	Operation Temperature	0°C -50°C

### 32CH NVR (16CH PoE) NVR3-32800-16P(2U)



MODEL	NVR3-32800-16P (2U)	
Video	Input	32CH Over Network
	Output	HDMI, VGA (800x600, 1024x768, 1280x1024)
	Decoding	H.264
Audio	Input	1CH + Depends on Camera Stream
	Output	1CH
	Two Way Audio	Yes
Bandwidth	Incoming	200Mbps
	Outgoing	24Mbps
Recording	Real-Time Recording	32CH 3MP Real-Time
	3MP	960FPS (NTSC)/800FPS (PAL)
	2MP (1080P)	960FPS (NTSC)/800FPS (PAL)
	1.3MP (960P)	960FPS (NTSC)/800FPS (PAL)
	1MP (720P)	960FPS (NTSC)/800FPS (PAL)
	960H	No
	D1	960FPS (NTSC)/800FPS (PAL)
	CIF	No
	Recording Modes	Schedule, Manual, Motion, Sensor
	Playback	Playback Channel
Search Mode		Time, Event, File Management
Backup	USB	1 USB 2.0 + 1 USB 3.0 Ports
	DVD Burner	Optional
	Backup Format	AVI/DAT
Remote Application	Master Stream	Up to 4CH@Recording Resolution
	Sub-Stream	1-25/30FPS@CIF
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)
	CMS	Yes
	Mobile Application	ProvisionCAM for iPhone/Android Phone Provision HD for iPad/Android Tablet
Alarm	User Access	20 Users Online with Professional Authority Management
Storage	HDD	8 SATA (4TB)
	E-SATA	1
PTZ	Connection	Yes via Network
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus
	RS-485	Yes
Network	Ethernet	1000 Mbps (RJ-45)
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P
	ONVIF	Yes
PoE	Ports	Yes (16CH)
	Interface	10/100Mbps
	Standard	IEEE802.3AF
	Total Power	150W (Average 9W Per Channel)
	Max. Power Consumption (Per Channel)	15W
Others	Power Supply	AC110V/220V
	Power Consumption (No HDD)	30W
	Dimension	W430 x D450 x H89
	Operation Temperature	0°C -50°C

# NVRs Compare Table

Model Name	NVR-4100	NVR2-4100(MM)*	NVR-4100P	NVR-8200	NVR2-8200(MM)*	NVR3-8200-4P	NVR3-8200(1U)
Format	ONVIF NVR	ONVIF NVR	PoE ONVIF NVR	ONVIF NVR	ONVIF NVR	POE ONVIF NVR	ONVIF NVR
Number of Channels	4	4	4 (PoE)	8	8	8 (4 PoE)	8
Playback Channels	4	4	4	4	8	4	4
Remote Playback Channels	4	4	4	4	4	4	4
Live Preview While Playback	No	No	No	No	No	No	No
Loop	No	No	No	No	No	No	No
Image Capture	CIF/D1	CIF	CIF/D1	CIF/D1	CIF	CIF/D1	CIF/D1
Output Type	CVBS,VGA,HDMI	VGA,HDMI	CVBS,VGA,HDMI	CVBS,VGA,HDMI	VGA,HDMI	VGA,HDMI	VGA,HDMI
Dual Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Case	Small 1U	Mini Metal	Small 1U	Small 1U	Mini Metal	Small 1U	1U
Audio Input	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera
Audio Output	1	No	1	1	No	1	1
Two Way Audio	Yes	No	Yes	Yes	No	Yes	Yes
Mic In	1	No	1	1	No	1	1
Alarm In	4	No	4	8	No	No	4
Alarm Out	1	No	1	1	No	No	1
PTZ Control	Yes - Over IP	Yes - Over IP	Yes - Over IP	Yes - Over IP	Yes - Over IP	Yes - Over IP	Yes - Over IP
Controller Support	RS-485	No	RS-485	RS-485	No	No	RS-485
Recording CIF	No	No	No	No	No	No	No
Recording D1	100/120 FPS (Total)	100/120 FPS (Total)	100/120 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)
Recording Channels D1	4ch @ 25/30 FPS	4ch @ 25/30 FPS	4ch @ 25/30 FPS	8ch @ 25/30 FPS	4ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS
Recording 960H	No	No	No	No	No	No	No
Recording Channels 960H	No	No	No	No	No	No	No
Recording 720P	100/120 FPS (Total)	100/120 FPS (Total)	100/120 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)
Recording Channels 720P	4ch @ 25/30 FPS	4ch @ 25/30 FPS	4ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS
Recording 960P	75/90 FPS(Total)	100/120 FPS (Total)	75/90FPS (Total)	150/180 FPS(Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)
Recording Channels 960P	3ch@25/30 FPS	4ch @ 25/30 FPS	3ch @25/30 FPS	6ch@25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS
Real-Time 960P	3ch	4ch	3ch	6ch	8ch	8ch	8ch
Recording 1080P	50/60FPS(Total)	100/120 FPS (Total)	50/60FPS(Total)	100/120 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)
Recording Channels 1080P	4ch @ 12/15FPS	4ch @ 25/30 FPS	4ch @ 12/15FPS	8ch @ 12/15FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS
Real-Time 1080P	No	4ch	No	No	8ch	8ch	8ch
Recording 3MP	No	No	No	No	No	200/240 FPS (Total)	200/240 FPS (Total)
Recording Channels 3MP	No	No	No	No	No	8ch @ 25/30 FPS	8ch @ 25/30 FPS
Real-Time 3MP	No	No	No	No	No	8ch	8ch
Total Bandwidth (Incoming)	16Mbps	32Mbps	16Mbps	32Mbps	64Mbps	64Mbps	64Mbps
Total Bandwidth (Outgoing)	16Mbps	32Mbps	16Mbps	16Mbps	32Mbps	32Mbps	32Mbps
H.264 Compression	High profile	High profile	High profile	High profile	High profile	High profile	High profile
HDD	1(3TB)	1(3TB)	1(3TB)	1(3TB)	1(3TB)	1(3TB)	2(3TB)
USB Port	2	2	1	2	2	2	2
E-SATA	No	No	No	No	No	No	No
Ethernet	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	1000Mbps	1000Mbps
DVD Burner	No	No	No	No	No	No	Optional
Master Stream	1-12/15 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-25/30 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-12/15 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-25/30 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1"	1-25/30 FPS @3M 1-25/30 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-25/30 FPS @3M 1-25/30 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1
Network Stream	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF
Number of Master Stream Channels over Network	4	4	4	4	4	4	4
Max Simultaneous Users	20	20	20	20	20	20	20
IR Remote	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Extention	Optional	No	Optional	No	Optional	Optional	Optional
Mouse	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PoE	No	No	4 (RJ-45/Network)	No	No	4(RJ-45/Network)	No
PoE Interface	N/A	N/A	10/100 Mbps	N/A	N/A	10/100 Mbps	N/A
PoE Standard	N/A	N/A	IEEE802.3AF	N/A	N/A	IEEE802.3AF	N/A
POE Total Power	No	No	48W (12W Average)	No	No	48W (12W Average)	No
Max. Consumption Per Channel	No	No	15W	No	No	15W	No
Power Supply	DC12V/2A	DC12V/2A	DC12V/3A + DC48V/1A	DC12V/2A	DC12V/2A	DC12V/2A + DC48V/1A	DC 12V 3A
Power Supply Total Output (Max)	24W	24W	36W	24W	24W	24W	36W
Power Consumption (Without HDD)	5W	5W	7W	5W	5W	12W	10W

\*This model is coming soon. Technical specs may be different when it will be released

# NVRs Compare Table

Model Name	NVR-16400	NVR3-16400(MM)*	NVR3-16400(1U)	NVR3-16400-8P(1U)	NVR3-32800(1U)	NVR3-32800(2U)	NVR3-32800-16P(2U)
Format	ONVIF NVR	ONVIF NVR	ONVIF NVR	POE ONVIF NVR	ONVIF NVR	ONVIF NVR	POE ONVIF NVR
Number of Channels	16	16	16	16 (8 PoE)	32	32	32 (16 PoE)
Playback Channels	4	4	4	4	4	4	4
Remote Playback Channels	4	4	4	4	4	4	4
Live Preview While Playback	No	No	No	No	No	No	No
Loop	No	No	No	No	No	No	No
Image Capture	CIF/D1	CIF/D1	CIF/D1	CIF/D1	CIF/D1	CIF/D1	CIF/D1
Output Type	CVBS,VGA,HDMI	VGA,HDMI	VGA,HDMI	VGA,HDMI	VGA,HDMI	VGA,HDMI	VGA,HDMI
Dual Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Case	Small 1U	Mini Metal	1U	1U	1U	2U	2U
Audio Input	1 + Depends on Camera	1 + Depends on Camera	1 + Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera	Depends on Camera
Audio Output	1	1	1	1	1	1	1
Two Way Audio	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mic In	1	1	1	1	1	1	1
Alarm In	16	No (Only from IPC)	4	4	4	16	16
Alarm Out	1	No	1	1	1	4	4
PTZ Control	Yes - Over IP	Yes - Over IP	Yes - Over IP	Yes - Over IP	Yes - Over IP	Yes - Over IP	Yes - Over IP
Controller Support	RS-485	No	RS-485	RS-485	RS-485	RS-485	RS-485
Recording CIF	No	No	No	No	No	No	No
Recording D1	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)
Recording Channels D1	16ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS
Recording 960H	No	No	No	No	No	No	No
Recording Channels 960H	No	No	No	No	No	No	No
Recording 720P	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)
Recording Channels 720P	16ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS
Recording 960P	300/360 FPS(Total)	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)
Recording Channels 960P	12ch @25/30 FPS	16ch @ 25/30FPS	16ch @ 25/30FPS	16ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS
Real-Time 960P	12ch	16ch	16ch	16ch	32ch	32ch	32ch
Recording 1080P	200/240 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)
Recording Channels 1080P	16ch @ 12/15FPS	16ch @ 25/30FPS	16ch @ 25/30FPS	16ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS
Real-Time 1080P	No	16ch	16ch	16ch	32ch	32ch	32ch
Recording 3MP	No	400/480 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)	800/960 FPS (Total)
Recording Channels 3MP	No	16ch @ 25/30FPS	16ch @ 25/30FPS	16ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS
Real-Time 3MP	No	16ch	16ch	16ch	32ch	32ch	32ch
Total Bandwidth (Incoming)	48Mbps	128Mbps	128Mbps	128Mbps	200Mbps	200Mbps	200Mbps
Total Bandwidth (Outgoing)	32Mbps	32Mbps	32Mbps	32Mbps	24Mbps	24Mbps	24Mbps
H.264 Compression	High profile	High profile	High profile	High profile	High profile	High profile	High profile
HDD	1(3TB)	1(3TB)	2(3TB)	2(3TB)	2(3TB)	8(3TB)	8(3TB)
USB Port	2 USB 2.0	1 USB 3.0 + 1 USB 2.0	2	2	2	2	2
E-SATA	No	No	No	No	No	1	1
Ethernet	100Mbps	1000Mbps	1000Mbps	1000Mbps	1000Mbps	1000Mbps	1000Mbps
DVD Burner	No	No	Optional	Optional	Optional	Optional	Optional
Master Stream	1-12/15 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D	1-25/30 FPS @ 3MP 1-25/30 FPS @ 1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-25/30 FPS @ 3MP 1-25/30 FPS @ 1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-25/30 FPS @3M 1-25/30 FPS @1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-25/30 FPS @ 3MP 1-25/30 FPS @ 1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-25/30 FPS @ 3MP 1-25/30 FPS @ 1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1	1-25/30 FPS @ 3MP 1-25/30 FPS @ 1080P 1-25/30 FPS @960P 1-25/30 FPS @720P 1-25/30 FPS @D1
Network Stream	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF	1-25/30 FPS @CIF
Number of Master Stream Channels over Network	4	4	4	4	4	4	4
Max Simultaneous Users	20	20	20	20	20	20	20
IR Remote	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Extention	Optional	No	Optional	Optional	Optional	Optional	Optional
Mouse	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PoE	No	No	No	8 (RJ-45/Network)	No	No	16 (RJ-45/Network)
PoE Interface	N/A	N/A	N/A	10/100 Mbps	N/A	N/A	10/100 Mbps
PoE Standard	N/A	N/A	N/A	IEEE802.3AF	N/A	N/A	IEEE802.AF
POE Total Power	No	No	No	120W (15W Average)	No	No	150W (9W Average)
Max. Consumption Per Channel	No	No	No	15W	No	No	15W
Power Supply	DC12V/2A	DC 12V 2A	DC 12V 3A	AC110V/220V	DC12V/3A	AC110V/220V	AC110V/220V
Power Supply Total Output (Max)	24W	36W	36W	180W	36W	250W	300W
Power Consumption (Without HDD)	5W	10W	10W	12W	10W	15W	30W

\*This model is coming soon. Technical specs may be different when it will be released

# POE Product Series

Power over Ethernet or PoE describes the standard which enabling passing electrical power along with data on Ethernet cabling. This standard allows a single cable to provide both data connection and electrical power to devices such as wireless access points or IP cameras.

The PoE standardized by IEEE 802.3, and it is marked as IEEE 802.3af or IEEE 802.3at. Any product that doesn't support any of these protocols is not officially supporting PoE.

Provision-ISR offers 3 lines of PoE Products:

### 10/100Mbps PoE Switches

These PoE switches are the best choice for any standard installation. It is especially designed for IP Surveillance and gives extra reliability and installation simplicity. With 4/8/16/24 Ports option with standard uplinks and SFP Ports (Depends on model) - you can find here a solution for any installation.

### 10/100/1000Mbps PoE Switches

The 1000Mbps (Gigabit) PoE switches are made for true professionals. From the Standard 4/8 Port switches that were designed for heavy duty work to the professional 16/24 Port monitored switched that will give you all the information you need about your PoE system in a simple LCD display - right in the front panel of the device.

### PoE Accessories

This line of products was designed to complete the small details of the installation, give you a solution for specific problems or even transform an analogue CCTV system to a state of the art IP Surveillance system using the same infrastructure.





## 10/100 Mbps PoE Switches



Provision-ISR 10/100Mbps PoE switches were designed with extra care and deep understanding for IP Surveillance installation needs. We took into consideration the unique requirements for IP CCTV installation and implemented it into our switches to give the best results and reliability in any installation layout.

They are design for high stability and feature special function such as:

- 2 Port Uplink For All Models (including small models)
- "CCTV Mode"
- Surge Protection
- And much more...

All models fully complies with IEEE 802.3 standard and automatically detect Power Device (PD) and power consumption level.

### 4+2-Port 10/100 Mbps PoE Switch

Model: PoES-0460+2

- Downlink: 4x100Mbps Ports
- Uplink: 2x 100Mbps Port
- 60 watt (Avg:15w Max 30W per ch)
- External Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance, Up to 100 Meter
- Built-in Surge Protection
- CCTV mode:
  - up to 250 meter at 10Mbps
  - Vlan function: no communication among downlink ports- improve security and data transmission efficiency.
- Wall Bracket/Anti-Theft Hole Lock(k-slot)/Earthing Connector

CCTV Mode



### 8+2-Port 10/100 Mbps PoE Switch

Model: PoES-08120+2

- Downlink: 8x100Mbps Ports
- Uplink: 2x 100Mbps Port
- 120 watt (Avg:15w Max 30W per ch)
- External Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance, Up to 100 Meter
- Built-in Surge Protection
- CCTV mode:
  - up to 250 meter at 10Mbps
  - Vlan function: no communication among downlink ports improve security and data transmutation efficiency
- Wall Bracket/Anti-Theft Hole Lock(k-slot)/Earthing Connector

CCTV Mode



### 16+2Combo-Port 10/100 Mbps PoE Switch

Model: PoES-16250+2Combo

- Downlink: 16x100Mbps Ports
- Uplink: 2 x 1G port or 2 SFP (Combo) (Optical)
- 250 watt (Avg:15w Max 30W per Ch)
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance, Up to 100 Meter
- Built-in Surge Protection
- Rack mount bracket included



### 24+2Combo-Port 10/100 Mbps PoE Switch

Model: PoES-24370+2Combo

- Downlink: 24x100Mbps Ports
- Uplink: 2 x 1G Port or 2 SFP (Combo) (optical)
- 370 watt (Avg:15w Max 30W per ch)
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance, Up to 100 Meter
- Built-in Surge Protection
- Rack mount bracket included





## Full Giga-Port 10/100/1000 Mbps PoE Switches



Provision-ISR's Full Giga Ethernet PoE switches are designed for professionals! We created an outstanding advantage with 1U (16/24 Ports) Giga PoE switches by equipping them with an LCD screen which gives a real-time status for each one of the ports. This will ease the installation, increase safety of use and will give usefull information during routine work and while facing a problem.

**Indications available are:**

- Single Channel Output Power (W)
- Overload (OLP)
- Short circuit (SCP)
- Low voltage/Over voltage (warning)
- High temperature (warning)
- Light load (ULP)



Port Status	
P1: 12.2W	P2: 18.4W
P3: 8.4W	P4: OFF
P5: ULP	P6: 13W
P7: OLP	P8: SCP
Total: 81W	PB: 140W

Total PoE output      PSE total power

**Temperature Warning:**

**WARNING!**  
The PSE device is too hot!  
All ports are shut down.

**Low/High Voltage Warning:**

**WARNING!**  
Main supply voltage is high!  
All ports are shut down.

**Low/High Voltage Warning:**

**WARNING!**  
Main supply voltage is low!  
All ports are shut down.

### 4+2-Port Giga PoE Switch

Model: PoES-0460G+2G

- 4x 10/100/1000 Mbps Ports
- All Ports Act As Both Downlink/Uplink
- Uplink: 2 x 1G Port
- 60watt (Avg:14w Max 32W per ch )
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet
- Distance, Up to 100 Meter
- Built-In Surge Protection



### 8-Port Giga PoE Switch

Model: PoES-08120G

- 8x 10/100/1000 Mbps Ports
- All Ports Act As Both Downlink/Uplink
- 120 watt (Avg:15w Max 32W per ch )
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance, Up To 100 Meter
- Built-In Surge Protection
- Built-In LCD For Status Indication
- Rack mount bracket included



### 16-Port Giga PoE Switch

Model: PoES-16260G

- 16x 10/100/1000 Mbps Ports
- All Ports Act As Both Downlink/Uplink
- 260 watt (Avg:18.5w Max 32W per ch )
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance, Up to 100 Meter
- Built-In Surge Protection
- Built-In LCD For Status Indication
- Rack mount bracket included



### 24+2SFP-Port Giga PoE Switch

Model: PoES-24330G+2SFP

- 24x 10/100/1000 Mbps Ports
- All Ports Act As Both Downlink/Uplink
- Uplink: 2 x SFP Slots
- 330 watt (Avg:14w Max 32W per ch )
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance, Up to 100 Meter
- Built-In Surge Protection
- Built-In LCD For Status Indication
- Rack mount bracket included



## PoE Accessories

### 1 Ch PoE Ethernet Injector

Model: PoEI-0115

Turn Non-PoE Port to PoE port. Designed for application where having a normal "none PoE Switch" but wish to get a PoE function to feed camera.

- Downlink: 16x100Mbps Ports
- Uplink: 2 x 1G port or 2 SFP (Combo) (Optional)
- 250 watt (Avg:15w Max 30W per Ch)
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance, Up to 100 Meter
- Built-in Surge Protection
- Rack mount bracket included



### 1 Ch PoE Ethernet Splitter

Model: PoESP-0112S

Split PoE Port to DC Power + 10/100 Mbps Ethernet. Designed for applications where having a PoE Switch and None PoE device. the Splitter Split the input PoE Signal to 2 independent output signals: Ethernet + DC ( 5/9/12V)

- Adjustable output 5VDC/2A, or 9VDC/1.5A or 12VDC/1A
- Maximum Power Output Up To 12W.
- Short Circuit Protection.
- High Efficiency DC/DC Converter
- Complies With IEEE802.3af Power Over Ethernet

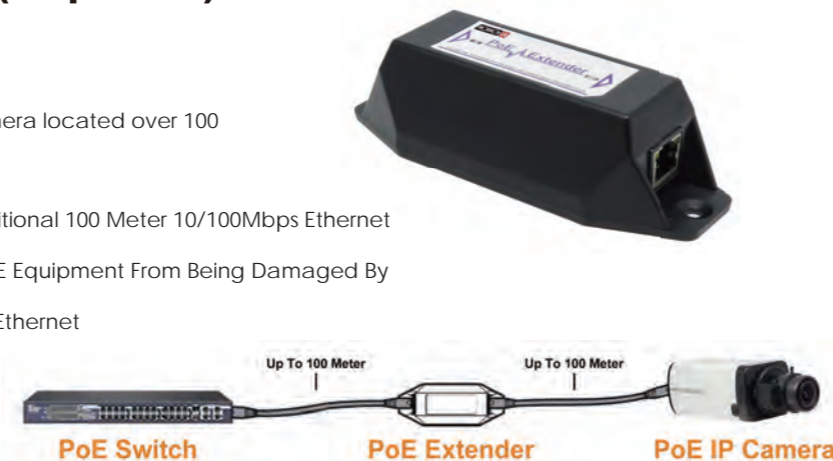


### 1 Ch PoE Extender (Repeater)

Model: PoER-01

Extend PoE Signal addition 100 meter. Designed for Application where PoE camera located over 100 Meter Distance from the PoE Switch.

- Extends PoE Ethernet Range Up To Additional 100 Meter 10/100Mbps Ethernet
- No Additional Power Supply Is Required
- Automatically Detects And Protects PoE Equipment From Being Damaged By Incorrect Installation
- Complies With IEEE802.3af Power Over Ethernet



## PoE Accessories

### 1 to 2 CH PoE Extender (Repeater)

Model: PoES-02

Split 1 Ch PoE to 2Ch and Extend PoE Signal additional 150 meter. Designed for Application where PoE camera or 2 located over 100 Meter Distance from the PoE Switch. Allows to transmit both cameras PoE signal Over 1 Ethernet . for Ease the installation, save on cabling cost and labor.

- Extends PoE Range Up To Additional 150 Meters
- 10/100Mbps Ethernet
- 2 Ch Output
- No Additional Power Supply Is Required
- Automatically Detects And Protects PoE Equipment From Being Damaged By Incorrect Installation
- Compliance With IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3af/at, Standards
- Wall Bracket/Earthling Terminal
- Rail (mail/female) Design to attached Several Unit In a Row



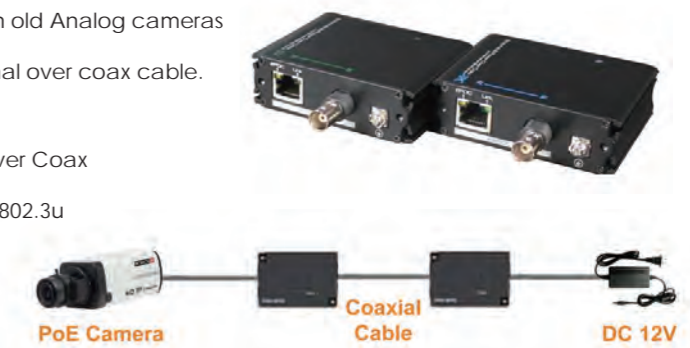
\* Will cause a power lost of approx. 3 watt for its own operational use  
 \* Power (Watt) which supplied to camera depend on: Number of cameras ,cable distance and Feeding PoE Port Power limitation! subject to Operational Spec.

### Ethernet & Power Over Coax (EPOC)

Model: EPOC-01

Design for applications where IP camera replacing an old Analog cameras and the Coax cable infrastructure is already there. EPOC allows to transmit both Power and Ethernet signal over coax cable.

- Set-Transmitter + Receiver
- Up To 500 Meter Power And Ethernet Transmit Ion Over Coax
- Including External Power Supply
- Compliance With Standard: IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3af/at
- Built-In Surge Protection

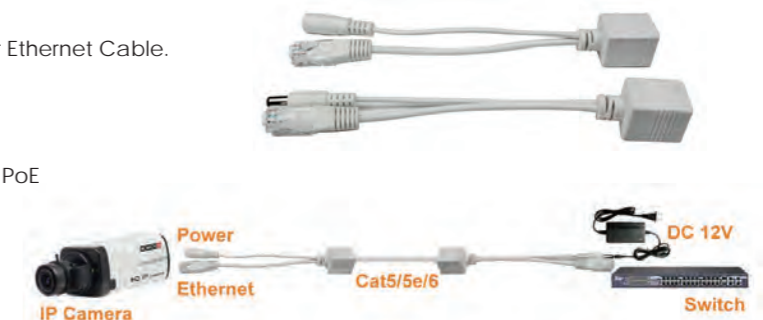


### None PoE Power Over Ethernet Transmitter/Receiver

Model: PoE-01

Design To Transmit DC Power and Ethernet Over Ethernet Cable.

- Set-Transmitter/Receiver
- 50 Meter Working Distance
- Required Camera External Power Supply
- Supply a DC Power Input To Camera And Not PoE



# AHD Technology

AHD Technology is the latest word in video surveillance based on coaxial cables. The meaning of AHD is "Analogue High Definition". The reason that "Analogue" is still mentioned in the technology is the use of the same type of wave signal that is being used for analogue video transmission. The AHD technology actually expanded the frequency range and strength and as a result managed to increase the resolution and transmission range while preventing from any noticeable latency in the picture.

AHD Main Advantages:

- Versatility and Compatibility with new/existing analogue systems
- Familiar installation
- High Definition Resolution
- Better Image Quality
- Full OSD Menu
- Longer Transmission Distance with no Latency and Delays

## Pro AHD

- 1/3" Sony Sensor
- Selectable Output (720 AHD / 960H Analogue)
- Superior Night Performance
- Prestigious and Elegant Case
- High Quality Mega-Pixel Lens
- High Quality LED Array
- "1 Lock Screw" - 3 Axis Mechanism

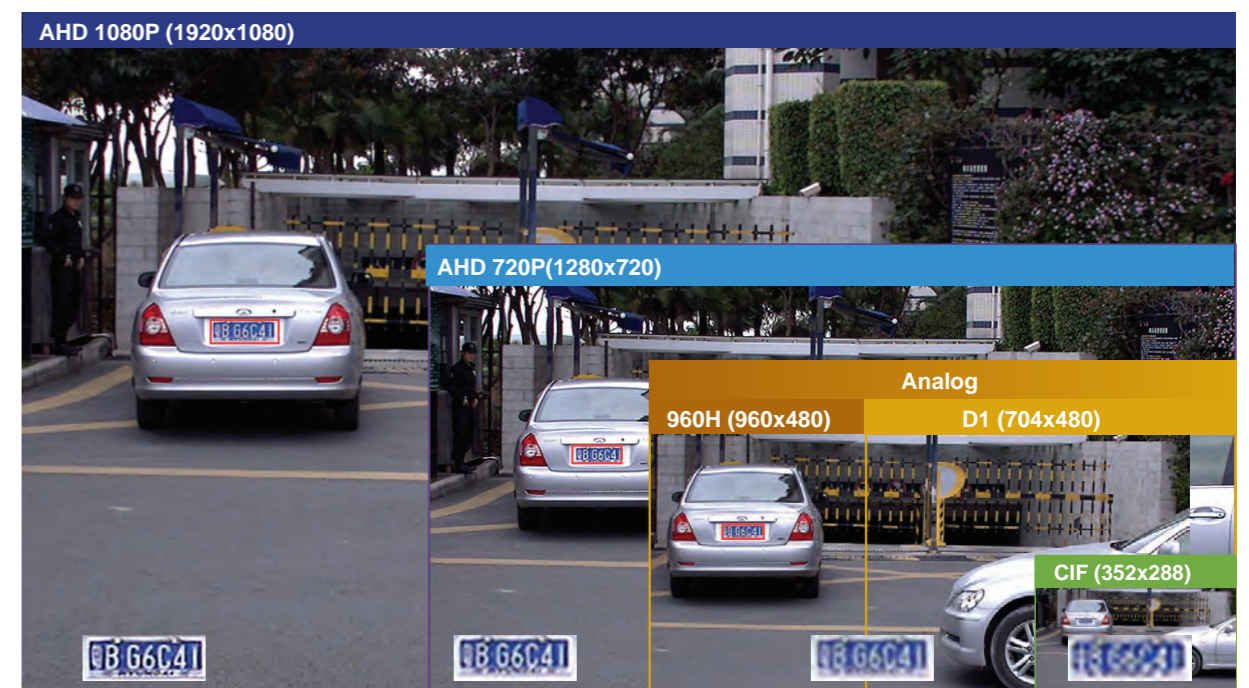
## Eco AHD

- 1/3" Sensor
- Selectable Output (720 AHD / 960H Analogue)
- Prestigious and Elegant Case
- High Quality Mega-Pixel Lens
- "1 Lock Screw" - 3 Axis Mechanism



## High Definition Resolutions

- All new AHD cameras support 720P Resolution
- 1080P Camera line will come soon



Understanding the different resolutions

THE NEW GENERATION IS HERE !

# AHD Technology



## AHD IR DOME CAMERA FIXED LENS



DI-380AHDE36



### 1 Versatility and Compatibility

Provision-ISR's new AHD products are fully compatible with all Analog Devices and Accessories!

All Provision-ISR's new AHD cameras support both AHD output and Analog output! With just a click on the OSD Controller, the camera signal will switch from AHD to Analog. Under Analog mode the camera will support all analog products (Baluns, DVRs, Video Splitters Etc.) All Provision-ISR's new AHD DVR's support both AHD signal input and Analog signal Input (in pair channels)!



Each of input channel support both AHD and Analog signal BUT works in a pair. A pair of channels can work under one mode AHD or Analog at the same time, cannot be mixed.

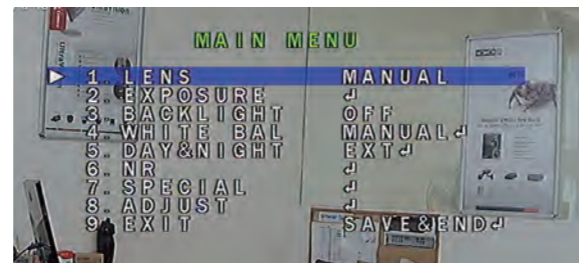
### 2 Familiar installation

Installation method identical to Analog camera installation. No new tools or accessories are needed for standard installations.



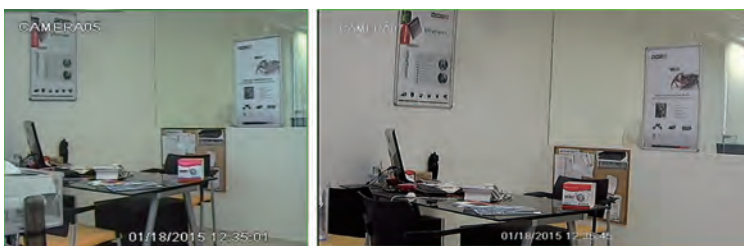
### 4 Full OSD Menu Including

- White Balance
- 2D-DNR
- Motion Detection
- Privacy Mask
- HLC
- BLC



### 3 Better Image Quality

Higher Frequency for far better image details  
Advanced Color separation and reproduction



E f o-E Camera  
(4:3 Format)

AHD Camera  
(16:9 Format)

### 5 Longer Transmission Distance with no Latency and Delays

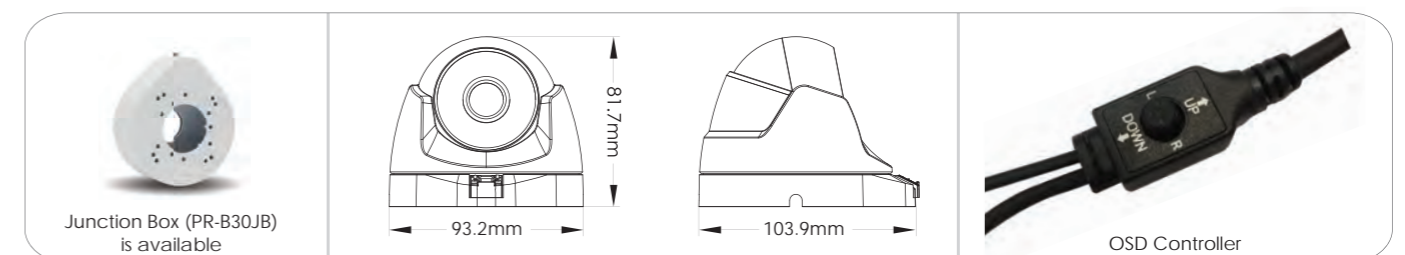
400m transmission capability using common Coaxial cable (Grade 75-3)  
Image is not processed or compressed therefore there is no image delay or latency



MODEL	DI-380AHDE36
Image Sensor	1/3" 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x720, Analog:960H
Min. Illumination	0.1Lux / (0Lux IR On)
Day & Night	True Day&Night (ICR)
IR LED	24LED(15m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	44dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	3.6mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	104*70.8*93.2mm
Net weight	270g

### Main Features:

- Sensor: 1/3", 1.3 Mega-Pixel
- Selectable output-720P AHD/Analog
- Lens: 3.6mm Mega-Pixel Fixed
- True Day & Night – ICR
- IR Range: 15m (24 IR LED)
- IP66
- Weight: 270g
- Power: DC 12V



# AHD IR DOME CAMERA VARI-FOCAL LENS



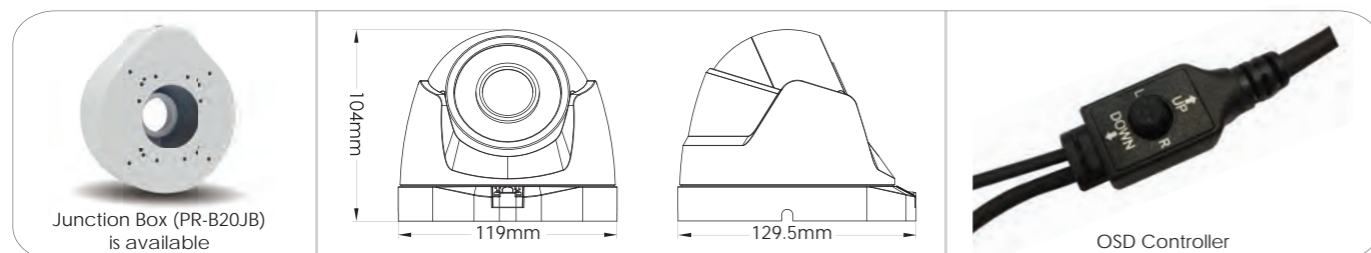
DI-380AHDEVF



MODEL	DI-380AHDEVF
Image Sensor	1/3" 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x720, Analog:960H
Min. Illumination	0.1Lux / (0Lux IR On)
Day & Night	True Day&Night (ICR)
IR LED	36LED(25m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	44dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	2.8-12mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	129.5*90*119mm
Net weight	476g

## Main Features:

Sensor: 1/3", 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 2.8-12mm Mega-Pixel Fixed  
 True Day & Night – ICR  
 IR Range: 25m (36 IR LED)  
 IP66  
 Weight: 476g  
 Power: DC 12V



# AHD IR BULLET CAMERA FIXED LENS



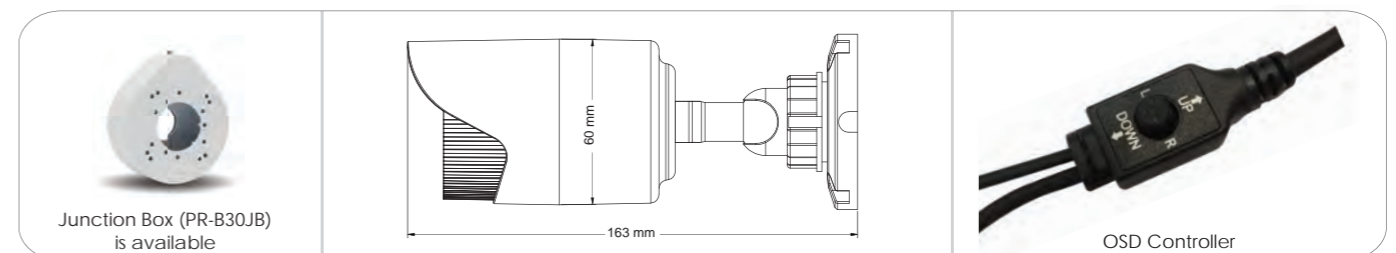
I1-380AHDE36



MODEL	I1-380AHDE36
Image Sensor	1/3" 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x720, Analog:960H
Min. Illumination	0.1Lux / (0Lux IR On)
Day & Night	True Day&Night (ICR)
IR LED	24LED(15m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	44dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	3.6mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	163*60*60mm
Net weight	275g

## Main Features:

Sensor: 1/3", 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 3.6mm Mega-Pixel Fixed  
 True Day & Night – ICR  
 IR Range: 15m (24 IR LED)  
 IP66  
 Weight: 275g  
 Power: DC 12V



# AHD IR BULLET CAMERA FIXED LENS



I3-380AHDE36



MODEL	I3-380AHDE36
Image Sensor	1/3" 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x720, Analog:960H
Min. Illumination	0.1Lux / (0Lux IR On)
Day & Night	True Day&Night (ICR)
IR LED	36LED (25m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	44dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	3.6mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	206.5*67.6*68.5mm
Net weight	380g

## Main Features:

Sensor: 1/3", 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 3.6mm Mega-Pixel Fixed  
 True Day & Night – ICR  
 IR Range: 25m (36 IR LED)  
 IP66  
 Weight: 380g  
 Power: DC 12V

# AHD IR BULLET CAMERA VARI-FOCAL LENS



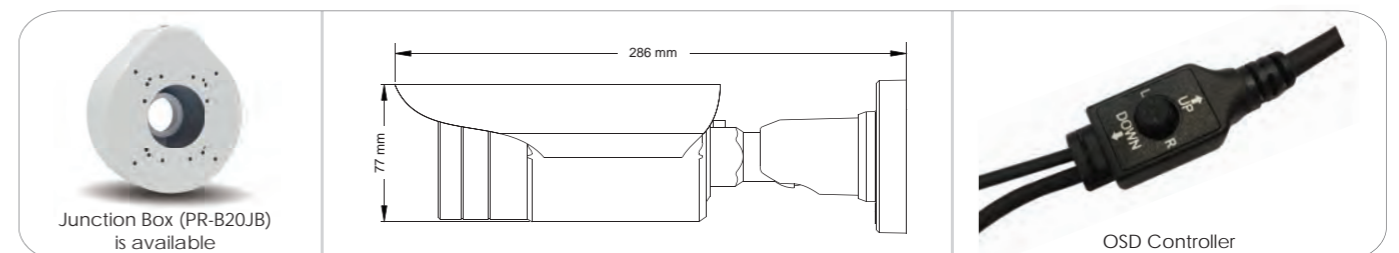
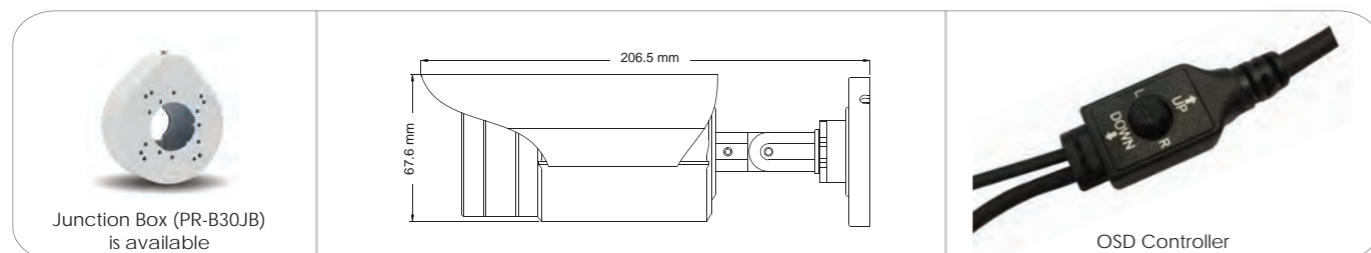
I4-380AHDEVF



MODEL	I4-380AHDEVF
Image Sensor	1/3" 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x720, Analog:960H
Min. Illumination	0.1Lux / (0Lux IR On)
Day & Night	True Day&Night (ICR)
IR LED	42LED(35m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	44dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	2.8-12mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	286*77*85.6mm
Net weight	836g

## Main Features:

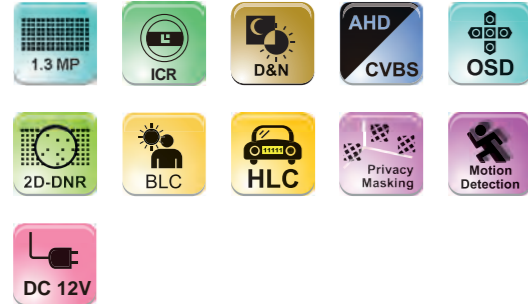
Sensor: 1/3", 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 2.8-12mm Mega-Pixel Fixed  
 True Day & Night – ICR  
 IR Range: 35m (42 IR LED)  
 IP66  
 Weight: 836g  
 Power: DC 12V



# AHD BOX CAMERA



BX-382AHD



MODEL	BX-382AHD
Image Sensor	1/3" Sony 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x960, Analog:960H
Min. Illumination	0.01Lux
Day & Night	True Day&Night (ICR)
IR LED	No
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	60dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	CS Mount
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	No
Dimension	123.5x63.7x65mm
Net weight	300g

## Main Features:

Sensor: 1/3" Sony, 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 CS Lens Mount  
 True Day & Night – ICR  
 Weight: 300g  
 Power: DC 12V

# AHD IR VANDAL PROOF DOME CAMERA VARI-FOCAL LENS



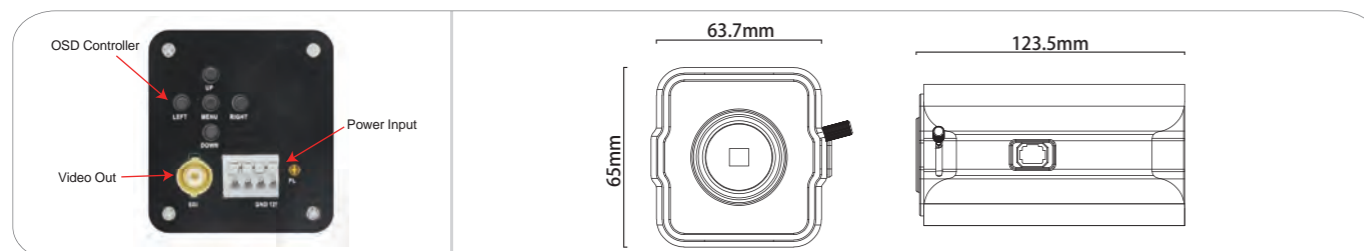
DAI-380AHDVF



MODEL	DAI-380AHDVF
Image Sensor	1/3" Sony 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x960, Analog:960H
Min. Illumination	0.01Lux
Day & Night	True Day&Night (ICR)
IR LED	35LED (20m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	60dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	2.8-12mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	145x11 9.5mm
Net weight	810g

## Main Features:

Sensor: 1/3" Sony, 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 2.8-12mm Mega-Pixel Fixed  
 True Day & Night – ICR  
 IR Range: 20m (35pcs)  
 IP66  
 Weight: 810g  
 Power: DC 12V



# AHD IR DOME CAMERA FIXED LENS



MODEL	DI-380AHD36
Image Sensor	1/3" Sony 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x960, Analog:960H
Min. Illumination	0.01Lux
Day & Night	True Day&Night (ICR)
IR LED	2 LED Array (20m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	60dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	3.6mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	104*70.8*93.2mm
Net weight	270g

## Main Features:

Sensor: 1/3" Sony, 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 3.6mm Mega-Pixel Fixed  
 True Day & Night – ICR  
 IR Range: 20m (2 Array LED)  
 IP66  
 Weight: 270g  
 Power: DC 12V

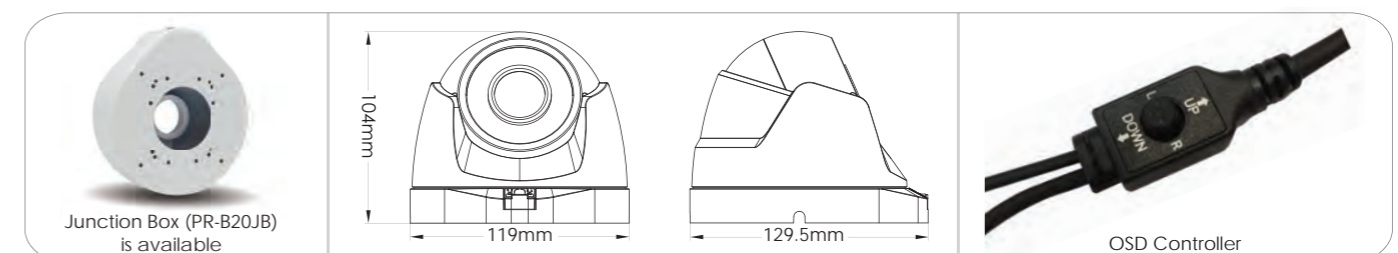
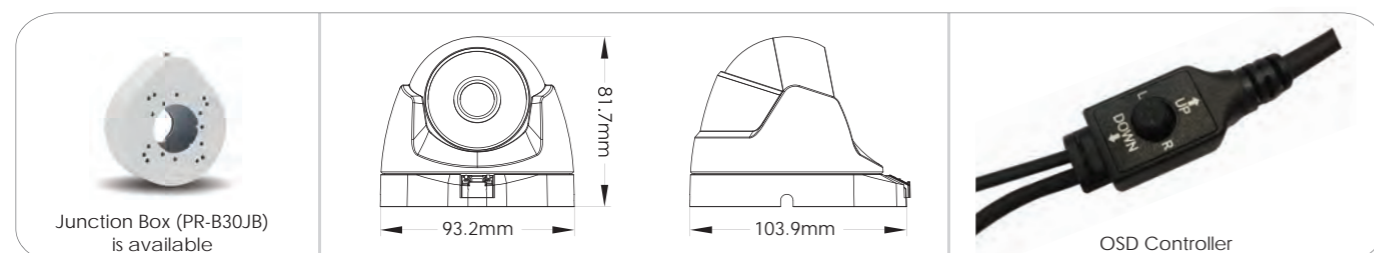
# AHD IR DOME CAMERA VARI-FOCAL LENS



MODEL	DI-380AHDVF
Image Sensor	1/3" Sony 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x960, Analog:960H
Min. Illumination	0.01Lux
Day & Night	True Day&Night (ICR)
IR LED	3 LED Array (25m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	60dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	2.8-12mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	129.5*90*119mm
Net weight	476g

## Main Features:

Sensor: 1/3" Sony, 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 2.8-12mm Mega-Pixel Fixed  
 True Day & Night – ICR  
 IR Range: 25m (3 Array LED)  
 IP66  
 Weight: 476g  
 Power: DC 12V



# AHD IR BULLET CAMERA FIXED LENS



I3-380AHD36



MODEL	I3-380AHD36
Image Sensor	1/3" Sony 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x960, Analog:960H
Min. Illumination	0.01Lux
Day & Night	True Day&Night (ICR)
IR LED	3 LED Array (25m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	60dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	3.6mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	206.5*67.6*68.5mm
Net weight	380g

## Main Features:

Sensor: 1/3" Sony, 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 3.6mm Mega-Pixel Fixed  
 True Day & Night – ICR  
 IR Range: 25m (3 Array LED)  
 IP66  
 Weight: 380g  
 Power: DC 12V

# AHD IR BULLET CAMERA VARI-FOCAL LENS



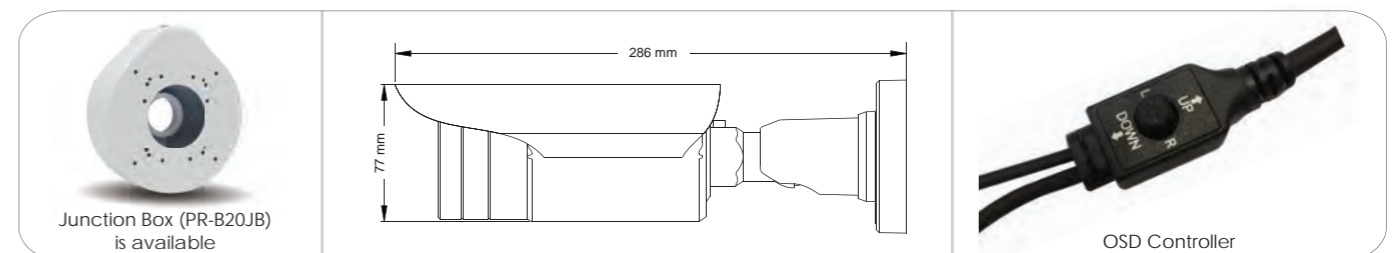
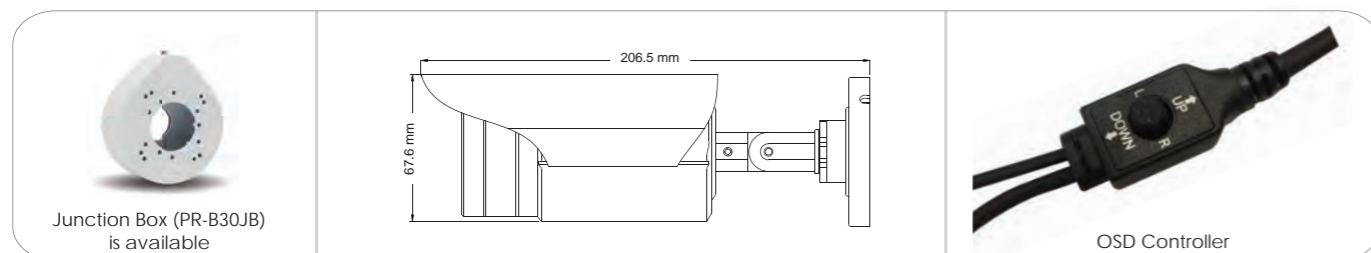
I4-380AHDVF



MODEL	I4-380AHDVF
Image Sensor	1/3" Sony 1.3MP Sensor
Effective Pixels	1280(H)x960(V)
Scanning System	Progressive
Resolution	Digital:1280x960, Analog:960H
Min. Illumination	0.01Lux
Day & Night	True Day&Night (ICR)
IR LED	4 LED Array (40m)
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)
Day & Night Mode	EXT, Color, B&W, Auto
Backlight Compensation	Off/BLC/HSBLC
S/N Ratio	60dB (AGC Off)
White Balance	ATW,AWC,Indoor,Outdoor,Manual,AWB
Noise Reduce	3D-DNR For AHD / 2D-DNR For CVBS
Video Output	AHD/CVBS (Signal Selectable from OSD)
Defog	Off/On
Privacy Mask	On/Off (4 Areas)
Motion Detection	On/Off (4 Areas)
D-Effect	Freeze, Mirror, Negative Image
Lens	2.8-12mm
Power	DC12V±10%
Operation Temp.	-10°C~+50°C
Waterproof	IP66
Dimension	286*77*85.6mm
Net weight	836g

## Main Features:

Sensor: 1/3" Sony, 1.3 Mega-Pixel  
 Selectable output-720P AHD/Analog  
 Lens: 2.8-12mm Mega-Pixel Vari-Focal  
 True Day & Night – ICR  
 IR Range: 40m (4 Array LED)  
 IP66  
 Weight: 836g  
 Power: DC 12V



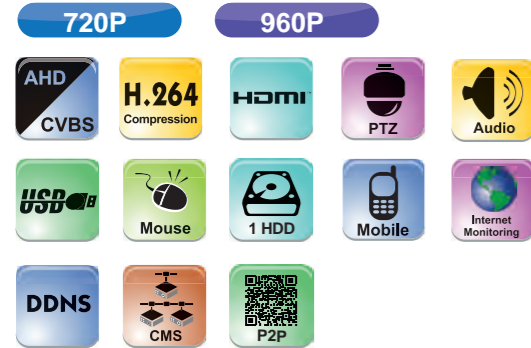
# AHD Cameras Compare Table



	PRO AHD						ECO AHD				
Model Name	DI-380AHD36	DI-380AHDVF	DAI-380AHDVF	BX-380AHD	I3-380AHD36	I4-380AHDVF	DI-380AHDE36	DI-380AHDEVF	I1-380AHDE36	I3-380AHDE36	I4-380AHDEVF
Image Sensor							1/3" 1.3MP Sensor				
Effective Pixels							1280(H)×960(V)				
Scanning System							Progressive				
Resolution	••••••						Digital:1280×720P, Analog:960H				
Min. Illumination	••••••						0.1Lux / (0Lux IR On)				
Day & Night	" ...† ‡ €"						True Day&Night (ICR)				
IR LED	•Ž • "	•Ž • €"	€:€€ "	†•	•Ž • €"	™•Ž • ™"	24 LED (15m)	36 LED (25m)	24 LED (15m)	36 LED (25m)	42 LED (35m)
OSD Menu	••%•••••Š f (••€%••						Available(11 Languages, AHD/CVBS Output Selectable)				
Day & Night Mode	Ž'•••Š...••						EXT, Color, B&W, Auto				
Backlight Compensation	f'''Š•Š•						Off/BLC/HSBLC				
S/N Ratio	"•Š••f'''						44dB (AGC Of f)				
White Balance	•, '•'••€••f••••' Š						ATW,AWC,Indoor,Outdoor,Manual,AWB				
Noise Reduce	†,"• -†,"•Š						2D DNR				
Video Output	•Š ••€%••"~f						AHD/CVBS (Signal Selectable from OSD)				
Defog	f'''f						Off/On				
Privacy Mask	f f''' ™•						On/Off (4 Areas)				
Motion Detection	f f''' ™•						On/Off (4 Areas)				
D-Effect	š )• •† €"						Freeze, Mirror, Negative Image				
Lens	—	—	—	•	—	—	3.6mm	2.8-12mm	3.6mm	3.6mm	2.8-12mm
Power	^œ ž						DC12V±10%				
Operation temp.	— CŸj€ C						-10 C~+50 C				
Waterproof	€						IP66				
Dimension	™£• £ ~ "	€£ £ "	™€£ €"	€£ •£ €"	€£ • £ €"	£••£ € ~ "	104*70.8*93.2mm	129.5*90*119mm	163*60*60mm	206.5*67.6*68.5mm	286*77*85.6mm
Net weight		™•					269g	476g	275g	380g	836g

### 4 CH AHD DVR

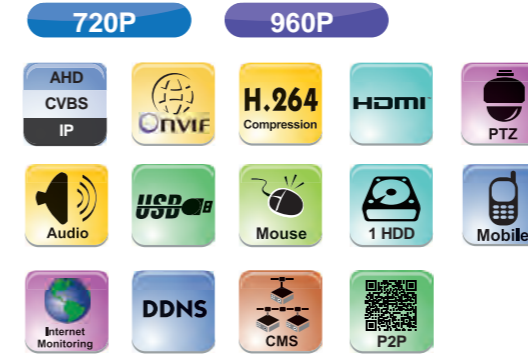
SA-4100AHD-1(MM)  
SA-4100AHD-1(MM)+  
SA-4100AHD-1(MMA)



MODEL	SA-4100AHD-1(MM)	SA-4100AHD-1(MM)+	SA-4100AHD-1(MMA)
System	Compression Format	High profile H.264	
	ONVIF	No	
	Format	AHD/CVBS	
Video	Input	4CH AHD Standard BNC	
	Standard Output	HDMI, VGA (800x600, 1024x768, 1280x1024)	HDMI, VGA, CVBS (Spot)
Audio	Input	1CH	4CH
	Output	1CH	
	Two Way Audio	Yes	
Recording	AHD	Real-Time Recording	4CH 720P Real-Time
		2MP (1080P)	No
		1MP (720P)	120FPS (NTSC)/100FPS (PAL)
	Analog	Real-Time Recording	4CH 960H Real-Time
		960H	120FPS (NTSC)/100FPS (PAL)
		D1	No
	IP	CIF	No
		Real-Time Recording	No
		2MP (1080P)	No
		1.3MP (960P)	No
	General	1MP (720P)	No
		Recording Modes	Schedule, Manual, Motion
AHD/CVBS Playback		4CH	
IP Playback		No	
Playback	Search Mode	Time, Event, File Management	
	USB	2 USB 2.0 Port	
	DVD Burner	No	
Backup	Backup Format	AVI/DAT	
	AHD Stream	Master Stream 1-25/30FPS@720P; Sub-Stream 1-6/7FPS@CIF	
Remote Application	Analog Stream	Master Stream 1-25/30FPS@960H; Sub-Stream 1-6/7FPS@CIF	
	IP Stream	No	
	Master Stream	Up to 1Ch@Recording Resolution	Up to 4Ch@Recording Resolution
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
	Mobile Application	ProvisionCAM for iPhone/Android; ProvisionHD for iPad/Android Tablet	
	User Access	10 Users Online with Professional Authority Management	
	Alarm	Input	No
Storage	Output	No	1CH
	HDD	1 SATA (4TB)	
PTZ	E-SATA	No	
	Connection	RS-485	
	Supported Protocols	Pelco D, Pelco P, Samsung, Visca	
Network	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
	Ethernet	100 Mbps (RJ-45)	
Others	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP	
	Dimension	W255xD200xH43mm	
Others	IR Controller	Yes	
	Power Supply	12V/2A	
	Operation Temperature	0°C ~50°C	

### 8 CH AHD + 1 CH IP Hybrid DVR

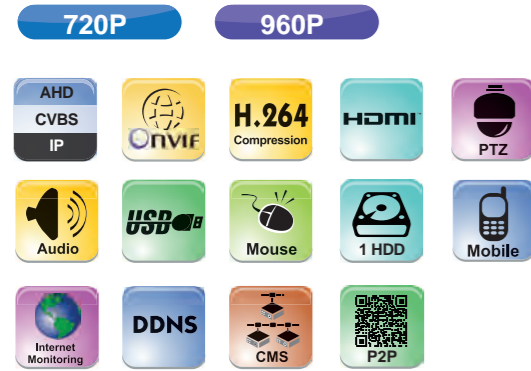
SA-8200AHD-1(MM)  
SA-8200AHD-1 (MMA)



MODEL	SA-8200AHD-1(MM)	SA-8200AHD-1(MMA)	
System	Compression Format	High profile H.264	
	ONVIF	Yes (For IP Channels)	
	Format	Hybrid AHD/CVBS + IP	
Video	Input	8CH Standard BNC/1CH IP Via Network	
	Standard Output	HDMI, VGA (800x600, 1024x768, 1280x1024)	
Audio	Input	1CH	
	Output	4CH	
	Two Way Audio	Yes	
Recording	AHD	Real-Time Recording	8CH 720P Real-Time
		2MP (1080P)	No
		1MP (720P)	240FPS (NTSC)/200FPS (PAL)
	Analog	Real-Time Recording	8CH 960H Real-Time
		960H	240FPS (NTSC)/200FPS (PAL)
		D1	No
	IP	CIF	No
		Real-Time Recording	1CH 960P Real-Time
		2MP (1080P)	No
		1.3MP (960P)	30FPS (NTSC)/25FPS (PAL)
	General	1MP (720P)	30FPS (NTSC)/25FPS (PAL)
		Recording Modes	Schedule, Manual, Motion
AHD/CVBS Playback		4CH	
IP Playback		1CH	
Playback	Search Mode	Time, Event, File Management	
	USB	2 USB 2.0 Port	
	DVD Burner	No	
Backup	Backup Format	AVI/DAT	
	AHD Stream	Master Stream 1-25/30FPS@720P; Sub-Stream 1-12/15@CIF	
Remote Application	Analog Stream	Master Stream 1-25/30FPS@960H; Sub-Stream 1-12/15@CIF	
	IP Stream	Master Stream 1-25/30FPS@720P; Sub-Stream 1-25/30FPS@CIF	
	Master Stream	Up to 1CH@Recording Resolution	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
	Mobile Application	ProvisionCAM for iPhone/Android; ProvisionHD for iPad/Android Tablet	
	User Access	10 Users Online with Professional Authority Management	
	Alarm	Input	No
Storage	Output	No	1CH
	HDD	1 SATA (4TB)	
PTZ	E-SATA	No	
	Connection	RS-485 / IP Via network	
	Supported Protocols	Pelco D, Pelco P, Samsung, Visca, ONVIF	
Network	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
	Ethernet	100 Mbps (RJ-45)	
Others	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
	Dimension	W255xD200xH43mm	
Others	IR Controller	Yes	
	Power Supply	12V/2A	
	Operation Temperature	0°C ~50°C	

### 16 CH AHD + 2 CH IP Hybrid DVR

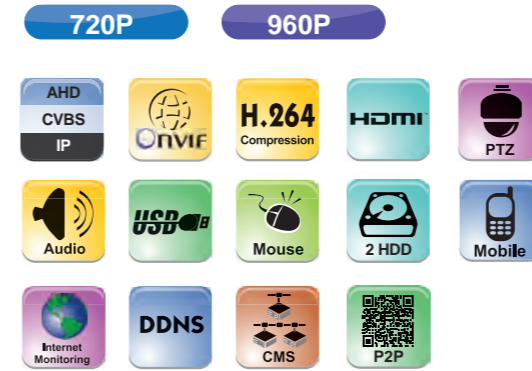
SA-16200AHD-1



MODEL		SA-16200AHD-1		
System	Compression Format	High profile H.264		
	ONVIF	Yes		
	Format	Hybrid AHD/CVBS + IP		
Video	Input	16CH AHD Standard BNC/2CH IP Via Network		
	Standard Output	HDMI, VGA (800x600, 1024x768, 1280x1024)		
Audio	Input	1CH		
	Output	1CH		
	Two Way Audio	Yes		
Recording	AHD	Real-Time Recording	16CH 720P Half Real-Time	
		2MP (1080P)	No	
		1MP (720P)	240FPS (NTSC)/200FPS (PAL)	
	Analog	Real-Time Recording	16CH 960H Real-Time	
		960H	480FPS (NTSC)/400FPS (PAL)	
		D1	No	
	IP	Real-Time Recording	2CH 960P Real-Time	
		2MP (1080P)	No	
		1.3MP (960P)	60FPS (NTSC)/50FPS (PAL)	
	General	1MP (720P)	60FPS (NTSC)/50FPS (PAL)	
		Recording Modes		Schedule, Manual, Motion
		AHD/CVBS Playback		8CH
Playback	IP Playback	1CH		
	Search Mode		Time, Event, File Management	
	USB		2 USB 2.0 Port	
Backup	DVD Burner		No	
	Backup Format		AVI/DAT	
	AHD Stream		Master Stream 1-12/15FPS@720P; Sub-Stream 1-12/15FPS@CIF	
Remote Application	Analog Stream		Master Stream 1-25/30FPS@960H; Sub-Stream 1-12/15FPS@CIF	
	IP Stream		Master Stream 1-25/30FPS@960P; Sub-Stream 1-25/30FPS@CIF	
	Master Stream		Up to 4CH@Recording Resolution	
	Browser		IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS		Yes	
	Mobile Application		ProvisionCAM for iPhone/Android; ProvisionHD for iPad/Android Tablet	
	User Access		10 Users Online with Professional Authority Management	
	Alarm	Input	No	
Output		No		
Storage	HDD	1 SATA (4TB)		
	E-SATA	No		
PTZ	Connection		RS-485 / IP Via network	
	Supported Protocols		Pelco D, Pelco P, Samsung, Visca, ONVIF	
	Supported Controls		Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
Network	Ethernet		100 Mbps (RJ-45)	
	Protocol		TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
Others	Dimension		W300xD260xH55mm	
	IR Controller		Yes	
	Power Supply		12V/3A	
	Operation Temperature		0°C ~50°C	

### 16 CH AHD + 2 CH IP Hybrid DVR

SA-16200AHD-1 (1U)



MODEL		SA-16200AHD-1 (1U)		
System	Compression Format	High profile H.264		
	ONVIF	Yes		
	Format	Hybrid AHD/CVBS + IP		
Video	Input	16CH AHD Standard BNC/2CH IP Via Network		
	Standard Output	HDMI, VGA (800x600, 1024x768, 1280x1024)		
Audio	Input	4CH		
	Output	1CH		
	Two Way Audio	Yes		
Recording	AHD	Real-Time Recording	16CH 720P Half Real-Time	
		2MP (1080P)	No	
		1MP (720P)	240FPS (NTSC)/200FPS (PAL)	
	Analog	Real-Time Recording	16CH 960H Real-Time	
		960H	480FPS (NTSC)/400FPS (PAL)	
		D1	No	
	IP	Real-Time Recording	2CH 960P Real-Time	
		2MP (1080P)	No	
		1.3MP (960P)	60FPS (NTSC)/50FPS (PAL)	
	General	1MP (720P)	60FPS (NTSC)/50FPS (PAL)	
		Recording Modes		Schedule, Manual, Motion
		AHD/CVBS Playback		8CH
Playback	IP Playback	1CH		
	Search Mode		Time, Event, File Management	
	USB		2 USB 2.0 Port	
Backup	DVD Burner		No	
	Backup Format		AVI/DAT	
	AHD Stream		Master Stream 1-12/15FPS@720P; Sub-Stream 1-12/15FPS@CIF	
Remote Application	Analog Stream		Master Stream 1-25/30FPS@960H; Sub-Stream 1-12/15FPS@CIF	
	IP Stream		Master Stream 1-25/30FPS@960P; Sub-Stream 1-25/30FPS@CIF	
	Master Stream		Up to 4CH@Recording Resolution	
	Browser		IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS		Yes	
	Mobile Application		ProvisionCAM for iPhone/Android; ProvisionHD for iPad/Android Tablet	
	User Access		10 Users Online with Professional Authority Management	
	Alarm	Input	16	
Output		1		
Storage	HDD	2 SATA (4TB)		
	E-SATA	No		
PTZ	Connection		RS-485 / IP Via network	
	Supported Protocols		Pelco D, Pelco P, Samsung, Visca, ONVIF	
	Supported Controls		Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
Network	Ethernet		100 Mbps (RJ-45)	
	Protocol		TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
Others	Dimension		W430xD300xH55mm	
	IR Controller		Yes	
	Power Supply		12V/4A	
	Operation Temperature		0°C ~50°C	

# AHD DVR's Compare Table

Model Name	SA-4100AHD-1(MM)	SA-4100AHD-1(MM)+	SA-4100AHD-1(MMA)	SA-8200AHD-1(MM)	SA-8200AHD-1(MMA)	SA-16200AHD-1	SA-16200AHD-1 (1U)	
Format	720P	720P	720P	720P Hybrid	720P Hybrid	720P Hybrid	720P Hybrid	
Input	4CH AHD	4CH AHD	4CH AHD	8CH AHD/1CH IP	8CH AHD/1CH IP	16CH AHD/2CH IP	16CH AHD/2CH IP	
Playback Channels	4	4	4	4 (1 IP)	4 (1 IP)	8 (1 IP)	8 (1 IP)	
Remote Playback Channels	1	1	1	1	1	4	4	
Live Preview While Playback	No	No	No	No	No	No	No	
Loop	No	No	No	No	No	No	No	
Image Capture	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Output Type	VGA,HDMI	VGA,HDMI	VGA,HDMI, CVBS (Spot)	VGA, HDMI	VGA, HDMI, CVBS (Spot)	VGA,HDMI	VGA,HDMI	
Dual Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Case	Mini Metal	Mini Metal	Mini Metal	Mini Metal	Mini Metal	Small 1U	1U	
Audio Input	1	1	1	1	4	1	4	
Audio Output	1	1	1	1	1	1	1	
Two Way Audio	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Mic In	No	No	No	No	No	No	No	
Alarm In	No	No	No	No	8CH	No	16	
Alarm Out	No	No	No	No	1CH	No	1	
PTZ Control	RS-485 / IP Via network	RS-485 / IP Via network	RS-485 / IP Via network	RS-485 / IP Via network	RS-485 / IP Via network	RS-485 / IP Via network	RS-485 / IP Via network	
AHD	Recording CIF	No	No	No	No	No	No	
	Recording Channels CIF	No	No	No	No	No	No	
	Recording D1	No	No	No	No	No	No	
	Recording Channels D1	No	No	No	No	No	No	
	Recording 960H	100/120 FPS (Total)	100/120 FPS (Total)	100/120 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	400/480 FPS (Total)	400/480 FPS (Total)
	Recording Channels 960H	4ch @ 25/30 FPS	4ch @ 25/30 FPS	4ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS	16ch @ 25/30 FPS	16ch @ 25/30 FPS
	Recording 720P	100/120 FPS (Total)	100/120 FPS (Total)	100/120 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)	200/240 FPS (Total)
Recording Channels 720P	4ch @ 25/30 FPS	4ch @ 25/30 FPS	4ch @ 25/30 FPS	8ch @ 25/30 FPS	8ch @ 25/30 FPS	16ch @ 12/15 FPS	16ch @ 12/15 FPS	
IP	Recording 720P	No	No	No	25/30 FPS (Total)	25/30 FPS (Total)	50/60 FPS (Total)	50/60 FPS (Total)
	Recording Channels 720P	No	No	No	1ch @ 25/30 FPS	1ch @ 25/30 FPS	2ch @ 25/30 FPS	2ch @ 25/30 FPS
	Recording 960P	No	No	No	25/30 FPS (Total)	25/30 FPS (Total)	50/60 FPS (Total)	50/60 FPS (Total)
	Recording Channels 960P	No	No	No	1ch @ 25/30 FPS	1ch @ 25/30 FPS	2ch @ 25/30 FPS	2ch @ 25/30 FPS
	Real-Time 960P	No	No	No	1ch	1ch	2ch	2ch
	Recording 1080P	No	No	No	No	No	No	No
	Recording Channels 1080P	No	No	No	No	No	No	No
	Real-Time 1080P	No	No	No	No	No	No	No
	Recording 3MP	No	No	No	No	No	No	No
	Recording Channels 3MP	No	No	No	No	No	No	No
Real-Time 3MP	No	No	No	No	No	No	No	
H.264 Compression	High profile	High profile	High profile	High profile	High profile	High profile	High profile	
HDD	1(4TB)	1(4TB)	1(4TB)	1(4TB)	1(4TB)	1(4TB)	2(4TB)	
HDD USB Port	1	1	1	1	1	1	1	
E-SATA	No	No	No	No	No	No	No	
Ethernet	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	
DVD Burner	No	No	No	No	No	No	Yes	
AHD	Master Stream	1-25/30 FPS @720P	1-25/30 FPS @720P	1-25/30 FPS @720P	1-25/30 FPS @720P	1-25/30 FPS @720P	1-25/30 FPS @720P	
		1-25/30 FPS @960H	1-25/30 FPS @960H	1-25/30 FPS @960H	1-25/30 FPS @960H	1-25/30 FPS @960H	1-25/30 FPS @960H	
IP	NO	NO	NO	1-25/30 FPS @720P	1-25/30 FPS @720P	1-25/30 FPS @720P	1-25/30 FPS @720P	
				1-25/30 FPS @960P	1-25/30 FPS @960P	1-25/30 FPS @960P	1-25/30 FPS @960P	
Number of Master Stream Channels over Network	1	1	1	4	4	4	4	
AHD	Network Stream	1-12/15 FPS @ CIF	1-6/7 FPS @ CIF	1-6/7 FPS @ CIF	1-6/7 FPS @ CIF	1-12/15 FPS @ CIF	1-12/15 FPS @ CIF	
IP		NO	NO	NO	1-25/30 FPS @ CIF	1-25/30 FPS @ CIF	1-25/30 FPS @ CIF	
				1-25/30 FPS @ D1	1-25/30 FPS @ D1	1-25/30 FPS @ D1	1-25/30 FPS @ D1	
				1-10 FPS @ 720P	1-10 FPS @ 720P	1-10 FPS @ 720P	1-10 FPS @ 720P	
Max Simultaneous Users	10	10	10	10	10	10	10	
IR Remote	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
IR Extention	No	No	No	No	No	Optional	Optional	
Mouse	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Power Supply	DC12V/2A	DC12V/2A	DC12V/2A	DC12V/2A	DC12V/2A	DC12V/2A	DC12V/2A	

**SONY**  
**BASED**  
**SOLUTION**  
Series

**Hidden Cameras**

**MINI**  
**HIDDEN CAMERA**  
MC-372CS

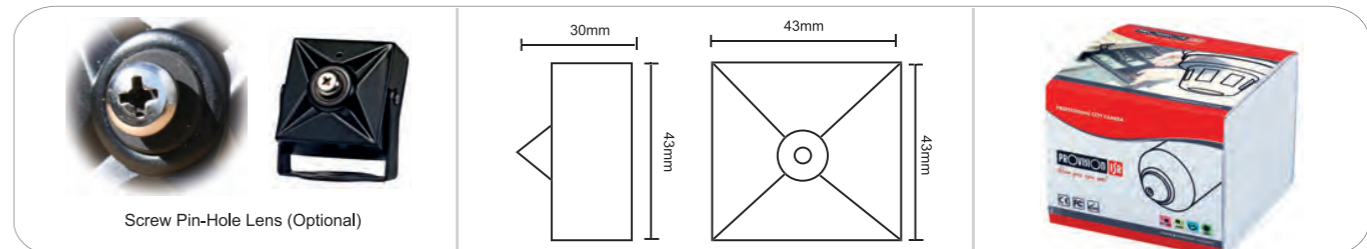


HIDDEN cameras are compact in size and used for covert monitoring. They allow us to record, monitor and control the environment while going unnoticed. They are usually installed in public places like department stores, theatres, clubs, etc, or on the private sector for home use-babysitter, house keeper etc.

It can come in different shapes -PIR detector, SMOKE detector, MIRROR, and much more... Provision-ISR Hidden cameras are designed in a way that it will be compact and easy to be integrated with standard home/office environments without attracting attention, but at the same time delivering a superior video quality.

MODEL	MC-372CS
Image Sensor	1/3" Sony CCD (PAL:ICX811BK/NTSC:ICX810BK)
DSP System	CXD4140
Effective Pixels	PAL:976(H)x582(V) NTSC:976(H)x494(V)
Scanning System	PAL/NTSC
Horizontal Resolution	700TVL
Min. Illumination	0.03 Lux / F1.0 (0 Lux IR ON)
OSD Menu	Available( 7 languages )
Backlight Compensation	BLC/HLC/OFF
Sync. System	Internal
S/N Ratio	48db (AGC Off)
White Balance	Atw/Push/User Anti CR/Manual
Gamma Correction	0.45
Gain Control	Yes
Motion Detection	On/Off( 4 Zone )
Privacy Masking	On/Off( 4 Zone )
Mirror(H-REV)	On/Off
SHARPNESS	On/Off (Level Adjustable)
D/N Selection	Color/B/W/Auto
ATR	On/Off
Noise Reduce	2D-DNR
Picture Adjustment	Yes
Analog Output	Composite, BNC (1.0Vp-p.75hm)
Lens	2.8/3.7mm Pinhole lens /6mm Screw Lens
Power	DC12V/180mA
Dimension	43L x 30W x 43H mm
Net Weight	190g

- Main Features:**
- Miniature Hidden camera
  - Built-in Pin-Hole Lens
  - Compact size and beautiful design
- MC-372CS
- 1/3" Sony CCD
  - Effio-E Solution
  - 700 TVL resolution
  - OSD Menu
  - ATR (Adaptive Tone Reproduction)
  - 2D Noise Reduction
  - BLC/HLC/AGC
  - Motion Detection & Privacy Masking
  - Color Rolling Control



# SNAKE HIDDEN CAMERA MW-370CS



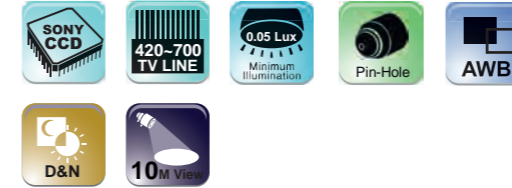
MODEL	MW-370CS
Image Sensor	1/3" Sony CCD (PAL:ICX811BK/NTSC:ICX810BK)
DSP System	CXD4140
Effective Pixels	PAL:976(H)x582(V) NTSC:976(H)x494(V)
Scanning System	PAL/NTSC
Horizontal Resolution	700TVL
Min. Illumination	0.03 Lux / F1.0 (0 Lux)
OSD Menu	Available( 7 languages )
Backlight Compensation	BLC/HLC/OFF
Sync. System	Internal
S/N Ratio	48db (AGC Off)
White Balance	Atw/Push/User Anti CR/Manual
Gamma Correction	0.45
Gain Control	Yes
Motion Detection	On/Off( 4 Zone )
Privacy Masking	On/Off( 4 Zone )
Mirror(H-REV)	On/Off
SHARPNESS	On/Off (Level Adjustable)
D/N Selection	Color/B/W/Auto
ATR	On/Off
Noise Reduce	2D-DNR
Picture Adjustment	Yes
Analog Output	Composite, BNC (1.0Vp-p.75hm)
Lens	3.7mm Pinhole lens
Power	DC12V/180mA
Dimension	15 x 15 mm
Net Weight	190g

## Main Features:

Miniature Hidden camera  
Built-in Pin-Hole Lens  
Compact size and beautiful design

MW-370CS  
1/3" Sony CCD  
Effio-E Solution  
700 TVL resolution  
OSD Menu  
ATR (Adaptive Tone Reproduction)  
2D Noise Reduction  
BLC/HLC/AGC  
Motion Detection & Privacy Masking  
Color Rolling Control

# HIDDEN IR PIR CAMERA IV-370CS

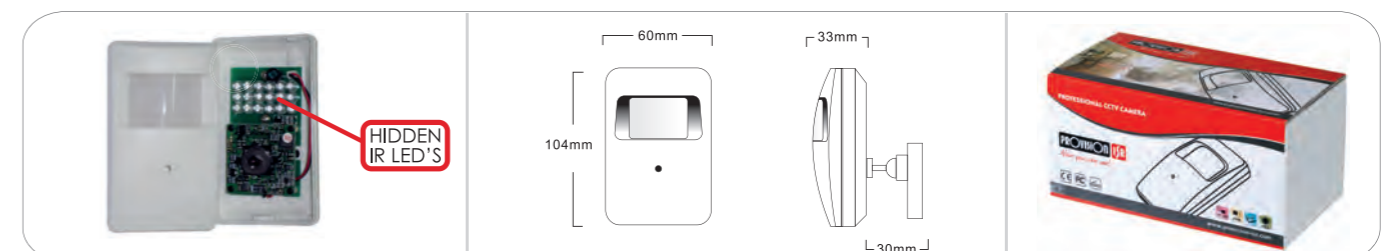
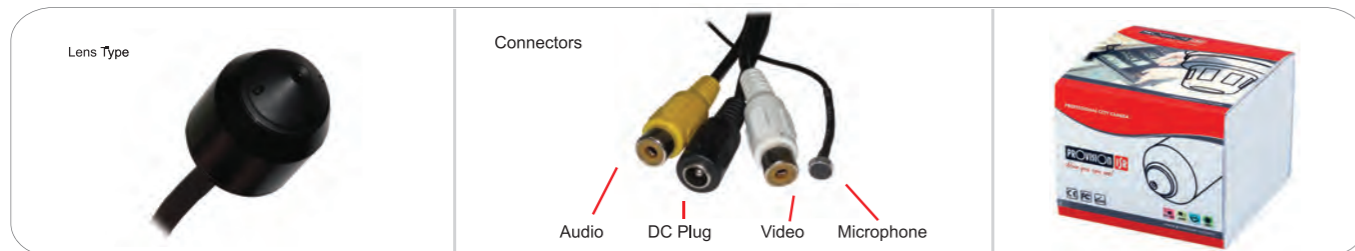


MODEL	IV-370CS
Image Sensor	1/3" Sony CCD (PAL:ICX811BK/NTSC:ICX810BK)
DSP System	CXD4140
Effective Pixels	PAL:976(H)x582(V) NTSC:976(H)x494(V)
Scanning System	PAL/NTSC
Horizontal Resolution	700TVL
Min. Illumination	0.03 Lux / F1.0 (0 Lux IR ON)
IR LED	18pcs(10M)
OSD Menu	Available( 7 languages )
Backlight Compensation	BLC/HLC/OFF
Sync. System	Internal
S/N Ratio	48db (AGC Off)
White Balance	Atw/Push/User Anti CR/Manual
Gamma Correction	0.45
Gain Control	Yes
Motion Detection	On/Off( 4 Zone )
Privacy Masking	On/Off( 4 Zone )
Mirror(H-REV)	On/Off
Sharpness	On/Off (Level Adjustable)
D/N Selection	Color/B/W/Auto
ATR	On/Off
Noise Reduce	2D-DNR
Picture Adjustment	Yes
Analog Output	Composite, BNC (1.0Vp-p.75hm)
Lens	3.7mm Pinhole lens
Power	DC12V/150mA
Dimension	33L x 60W x 104H mm
Net Weight	230g

## Main Features:

Miniature Hidden camera  
Built-in Pin-Hole Lens  
Compact size and beautiful design  
For Day & Night Conditions

IV-370CS  
1/3" Sony CCD  
Effio-E Solution  
700 TVL resolution  
OSD Menu  
ATR (Adaptive Tone Reproduction)  
2D Noise Reduction  
BLC/HLC/AGC  
Motion Detection & Privacy Masking  
Color Rolling Control



# HIDDEN MIRROR CAMERA

## DM-370CS



MODEL	DM-370CS
Image Sensor	1/3" Sony CCD (PAL:ICX811BK/NTSC:ICX810BK)
DSP System	CXD4140
Effective Pixels	PAL:976(H)x582(V) NTSC:976(H)x494(V)
Scanning System	PAL/NTSC
Horizontal Resolution	700TVL
Min. Illumination	0.03 Lux / F1.0 (0 Lux IR ON)
IR LED	18pcs(10M)
OSD Menu	Available( 7 languages )
Backlight Compensation	BLC/HLC/OFF
Sync. System	Internal
S/N Ratio	48db (AGC Off)
White Balance	Atw/Push/User Anti CR/Manual
Gamma Correction	0.45
Gain Control	Yes
Motion Detection	On/Off( 4 Zone )
Privacy Masking	On/Off( 4 Zone )
Mirror(H-REV)	On/Off
Sharpness	On/Off (Level Adjustable)
D/N Selection	Color/B/W/Auto
ATR	On/Off
Noise Reduce	2D-DNR
Picture Adjustment	Yes
Analog Output	Composite, BNC (1.0Vp-p.75hm)
Lens	3.7mm Pinhole lens
Power	DC12V/150mA
Dimension	45L x 90W x 130H mm
Net Weight	360 g

### Main Features:

Mirror Hidden camera  
Built-in Pin-Hole Lens  
Compact size and beautiful design

### DM-370CS

1/3" Sony CCD  
Effio-E Solution  
700 TVL resolution  
OSD Menu  
ATR (Adaptive Tone Reproduction)  
2D Noise Reduction  
BLC/HLC/AGC  
Motion Detection & Privacy Masking  
Color Rolling Control

# HIDDEN SMOKE DETECTOR CAMERA

## DS-372CS



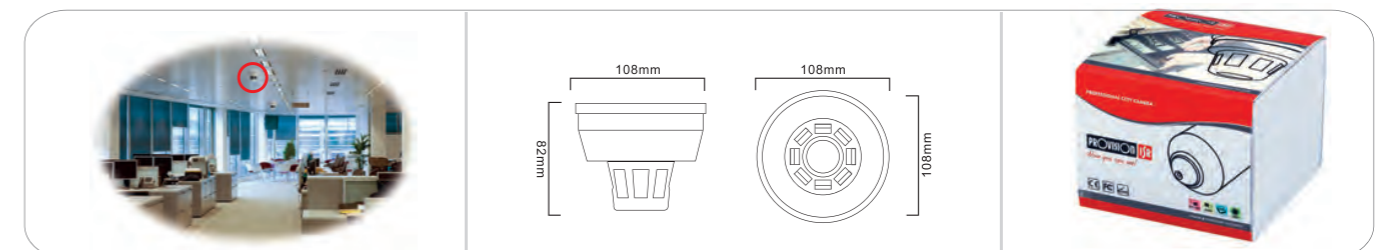
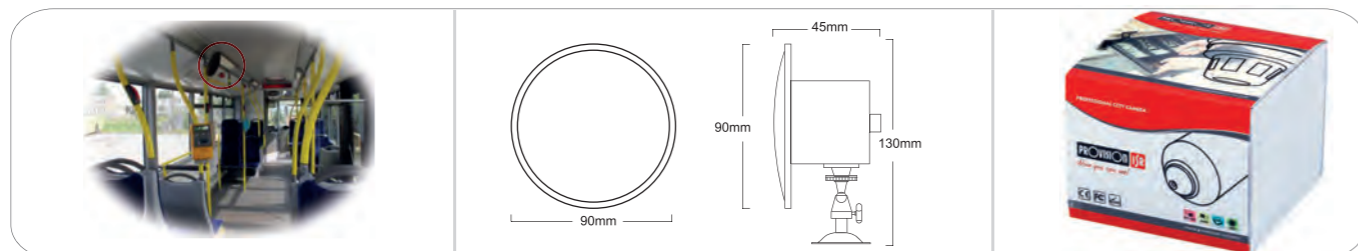
MODEL	DS-372CS
Image Sensor	1/3" Sony CCD (PAL:ICX811BK/NTSC:ICX810BK)
DSP System	CXD4140
Effective Pixels	PAL:976(H)x582(V) NTSC:976(H)x494(V)
Scanning System	PAL/NTSC
Horizontal Resolution	700TVL
Min. Illumination	0.03 Lux / F1.0
OSD Menu	Available( 7 languages )
Backlight Compensation	BLC/HLC/OFF
Sync. System	Internal
S/N Ratio	48db (AGC Off)
White Balance	Atw/Push/User Anti CR/Manual
Gamma Correction	0.45
Gain Control	Yes
Motion Detection	On/Off( 4 Zone )
Privacy Masking	On/Off( 4 Zone )
Mirror(H-REV)	On/Off
SHARPNESS	On/Off (Level Adjustable)
D/N Selection	Color/B/W/Auto
ATR	On/Off
Noise Reduce	2D-DNR
Picture Adjustment	Yes
Analog Output	Composite, BNC (1.0Vp-p.75hm)
Lens	3.7mm Pinhole lens
Power	DC12V/150mA
Dimension	108W x 82H
Net Weight	280g

### Main Features:

Miniature Hidden camera  
Built-in Pin-Hole Lens  
Compact size and beautiful design  
Auto White Balance  
Smoke Detector style Camera

### DS-372CS

1/3" Sony CCD  
Effio-E Solution  
700 TVL resolution  
OSD Menu  
ATR (Adaptive Tone Reproduction)  
2D Noise Reduction  
BLC/HLC/AGC  
Motion Detection & Privacy Masking  
Color Rolling Control



**PTZ Cameras**



**PTZ Cameras**

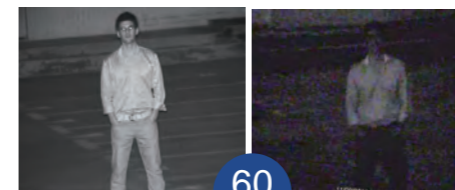
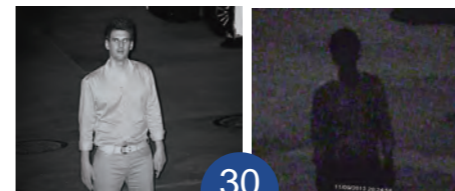
PTZ is an abbreviation for pan, tilt and zoom and reflects the movement options of the camera. PTZ Cameras were designed to provide the user with the utmost freedom as it can cover a large areas and various distances. Provision-ISR IR PTZs are even capable of providing a bright and sharp image even in complete darkness. Moreover, except of performing only under manual control, the PTZ camera can work in an automated environment and perform a variety of pre-configured actions without any involvement from the user.

**The Ultra-Z IR Speed Dome Series**

Taking all the best from the Ultra-Z and adding to it superb night performance tanks to the intelligent IR LED addition.

With the New Ultra-Z IR, Darkness Never Looked So Bright.

- Ultra-Fast
- High Resolution
- Ultra-Accurate
- Time Schedule Function
- Installation Friendly
- IP 66
- I/O
- IR LED ARRAY (100m)
- True day/night with ICR filter
- "Hands Free" Improved Bracket



The Ultra-Z IR was fitted with IR LEDs in order to give it superb performance in low light.

The Ultra-Z IR is equipped with a smart synchronization system between the lens's zoom factors to the IR illumination intensity.

In simple words it means that there is perfect correlation between the zoom and the IR illumination: the more the camera zooms in the stronger and narrower the IR light will be.

These IR cameras are equipped with integral 7 LED array divided into 3 groups providing different illumination angles and distances. This was designed to provide flawless illumination coverage at any focal position from the widest scene to the narrowest. Each LED group will turn on/off at its time, to ensure an equal level of illumination and preventing Over/Under exposure.

The Improved "Hands-free" Bracket:

Same as all PTZ cameras in the Ultra-Z series also the IR version Designed with Junction Box, but this time we took it one step further....

Now the installer can make all cables connection not only externally but also "hands free" thanks to an axis between the junction box which connects to the wall and its cover which holds the camera. This allows the installer to connect cables freely.

# MINI ULTRA-Z

## Z-10IR

### Mini Ultra-Z Z-10IR Main Features:

- Preset speed of 240°/Sec (max)
- Preset accuracy up to 0.1°
- Endless Pan Rotation 360° & continuously Tilt with Auto flip 180°
- Preset position, cruise, pattern and auto scan
- Privacy zones masking
- Schedule setting
- Full function OSD Menu
- IP66 protection.
- x10 Optical zoom
- High Resolution 650TVL
- True Day/Night with ICR filter
- Noise reduction (2D-DNR)
- WB/AGC/BLC



# ULTRA-Z

## Z-22IR

### Ultra-Z Z-22IR Main Features:

- Preset speed of 240°/Sec (max)
- Preset accuracy up to 0.1°
- Endless Pan Rotation 360° & continuously Tilt with Auto flip 180°
- Preset position, cruise, pattern and auto scan
- Alarm (I/O): 1 Input /1 Output
- Privacy zones masking
- Schedule setting
- Full function OSD Menu
- IP66 protection.
- x22 Optical zoom
- High Resolution 650TVL
- True Day/Night with ICR filter
- Noise reduction (2D-DNR)
- WB/AGC/BLC



### Camera Specification

Model	Mini Ultra-Z Z-10IR
CCD	1/3" SONY CCD
Horizontal Resolution	650TVL
Optical Zoom	x10 (3.8-38mm)
Digital Zoom	No
Minimum Focus Distance	1.5M
Horizontal Angle of View	H: 64 (Wide) to 7.3 (Tele) V: 53.2 (Wide) to 4.8 (Tele)
Sync System	Internal
Min. Illumination	0.02lux (0 Lux with IR On)
Day & Night	Auto/Day/Night (ICR)
S/N Ratio	>50dB
Focus	Auto/Manual
Auto Gain	Auto/Manual
Wide-D	No
White Balance	ATW/Manual/Outdoor/Indoor
BLC	On/Off
Shutter Speed	1/50~1/10000
Sense Up	No
Noise Reduction	2D-DNR
Stabilizer	No
Flip	On/Off
Picture Freeze	No
Iris	Auto
Flickerness	No

### Pan/Tilt Specification

Pan tilt Range	360 (Endless)/ 180 (Auto Flip)
Pan tilt Speed	Max Preset Speed: 240/Sec Manual: 0.08~180/Sec (Proportional to Zoom)
Preset	220
Pattern	up to 4
Auto Scan	Up to 4
Group	Up to 4
Schedule	Yes
Privacy zone masking	up to 8
Park Function	Yes

### Communication Specification

Data Type	RS 485
Protocols	Pelco-D or Pelco-P
Baud Rates	2400, 4800, 9600
Camera ID	1 - 255
Alarm I/O	No
On Screen Display	OSD menu, camera position, dome ID, preset / VST/ pattern tour status

### Mechanical

Fan/Heater	No
Sunshield	No
Humidity range	<90%
Power Supply	12VDC/2A
Operation temperature	-20~+50
Dimensions	13.5*13.5*19.9cm
Ingress Protection	IP66
Weight	3.200KG

### Camera Specification

Model	Ultra-Z Z-22IR
CCD	1/3" SONY CCD
Horizontal Resolution	650TVL
Optical Zoom	x22 (3.9-85.8mm)
Digital Zoom	No
Minimum Focus Distance	1.5M
Horizontal Angle of View	H: 63.2 (Wide) to 3 (Tele) V: 49.5 (Wide) to 2.1 (Tele)
Sync System	Internal
Min. Illumination	0.02lux (0 Lux with IR On)
Day & Night	Auto/Day/Night (ICR)
S/N Ratio	>50dB
Focus	Auto/Manual
Auto Gain	Auto/Manual
Wide-D	No
White Balance	ATW/Manual/Outdoor/Indoor
BLC	On/Off
Shutter Speed	1/50~1/10000
Sense Up	No
Noise Reduction	2D-DNR
Stabilizer	No
Flip	On/Off
Picture Freeze	No
Iris	Auto
Flickerness	No

### Pan/Tilt Specification

Pan tilt Range	360 (Endless)/ 180 (Auto Flip)
Pan tilt Speed	Max Preset Speed: 240/Sec Manual: 0.08~180/Sec (Proportional to Zoom)
Preset	220
Pattern	up to 4
Auto Scan	Up to 4
Group	Up to 4
Schedule	Yes
Privacy zone masking	up to 8
Park Function	Yes

### Communication Specification

Data Type	RS 485
Protocols	Pelco-D or Pelco-P
Baud Rates	2400, 4800, 9600
Camera ID	1 - 255
Alarm I/O	1 inputs , 1 outputs
On Screen Display	OSD menu, camera position, dome ID, alarm status, preset / VST/ pattern tour status

### Mechanical

Fan/Heater	No
Sunshield	No
Humidity range	<90%
Power Supply	12VDC/5A
Operation temperature	-20~+50
Dimensions	28.0*28.0*50.4cm
Ingress Protection	IP66
Weight	6.386KG

# ULTRA-Z

## Z-27IR

### Ultra-Z Z-27IR Main Features:

- Preset speed of 240°/Sec (max)
- Preset accuracy up to 0.1°
- Endless Pan Rotation 360° & continuously Tilt with Auto flip 180°
- Preset position, cruise, pattern and auto scan
- Alarm (I/O): 1 Input /1 Output
- Privacy zones masking
- Schedule setting
- Full function OSD Menu
- IP66 protection.
- x27 Optical zoom/ x16 digital zoom
- High Resolution 560TVL color 680TVL B/W
- True Day/Night with ICR filter
- Noise reduction (SSNR)
- WB/AGC/BLC
- Slow shutter
- Image Stabilization



### Camera Specification

Model	Ultra-Z Z-27IR Zoom Module: SAMSUNG SCM-2271
CCD	1/4 inch, Interline Transfer(Interlace Scan)
Horizontal Resolution	560 TV Lines(Min.);Color(WIDE) /680 TV Lines(Min.); Color(WIDE)
Optical Zoom	27X, f=3.5 to 94.5mm(F 1.6 to 3.9)
Digital Zoom	up to 16x
Minimum object distance	1500mm
Horizontal Angle of View	H: 55.5°(Wide) to 1.77°(Tile) V: 42.5°(Wide) to 1.19°(Tile)
Sync system	Internal / External(V-lock)
Min. illumination	Color: 0.2 Lux/F1.6 (50 IRE) B/W: 0.02 Lux/F1.6 (50 IRE)
Day & Night	Auto/Day/Night
S/N Ratio	52dB (AGC Off,Weight ON)
Focus	AUTO,MANUAL,Semi-AUTO
AGC Level	Off,Low,Middle,High
White Balance	ATW/AWC/INDOOR/OUTDOOR/Manual
BLC	BLC /HLC / OFF
Shutter Speed	ESC,ANTI-F,X2-X512,1/50S-1/1200000S ESC,ANTI-F,X2-X512,1/60S-1/1200000S
Sens up	OFF,2x ~512x
SSNR(Samsung Super Noise Reduction)	OFF,LOW,MIDDLE,HIGH
Stabilizer	ON/OFF
FLIP	ON/OFF
Picture Freeze	ON/OFF
Iris	AUTO,MANUAL,CLOSE
Flickerness	ON/OFF

### Pan/Tilt Specification

Pan tilt Range	360 (Endless)/ 180 (Auto Flip)
Pan tilt Speed	Max Preset Speed: 240/Sec Manual: 0.08-180/Sec (Proportional to Zoom)
Preset	220
Pattern	up to 4
Auto Scan	Up to 4
Group	Up to 4
Schedule	Yes
Privacy zone masking	up to 8
Park Function	Yes

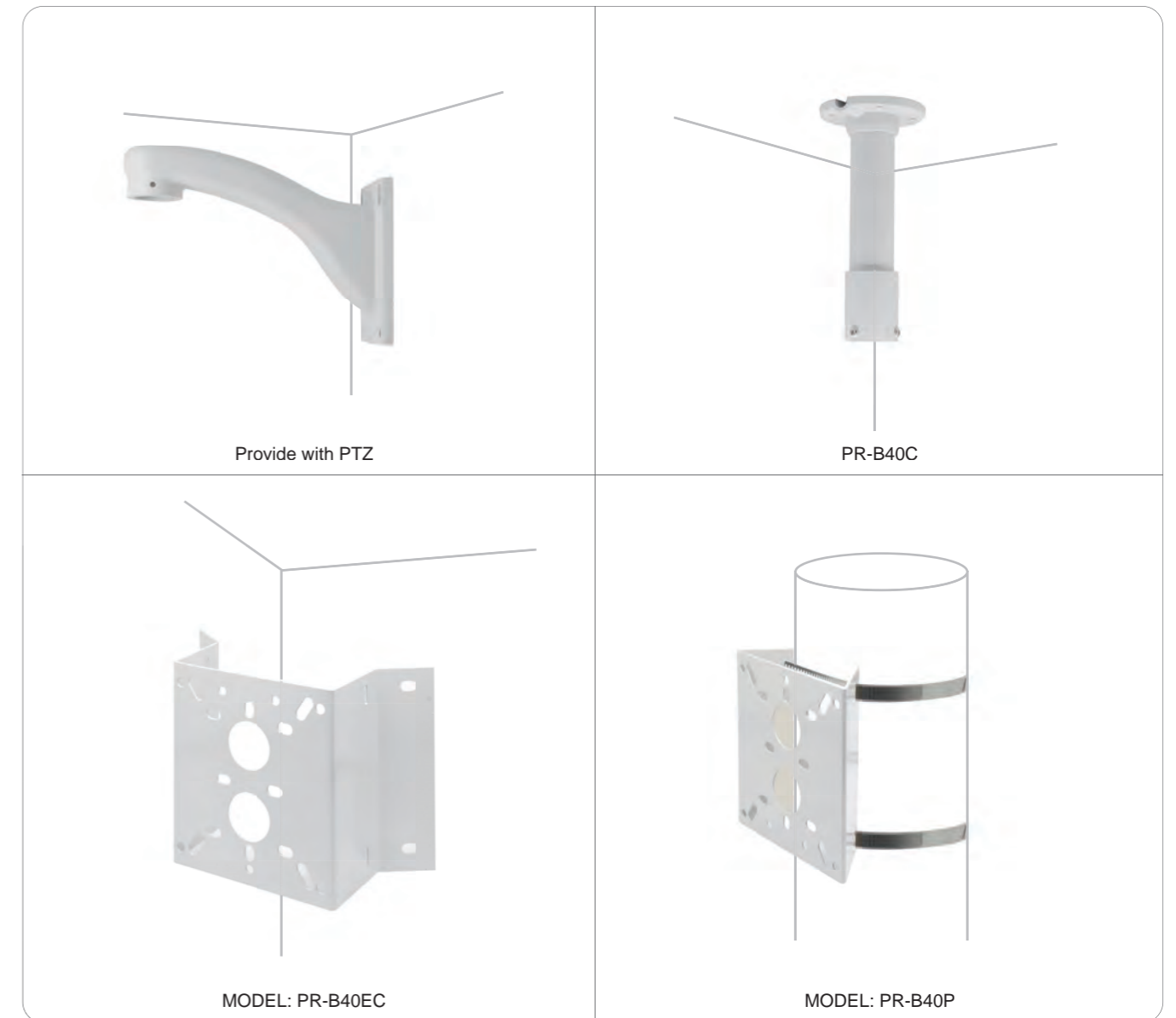
### Communication Specification

Data Type	RS 485
Protocols	Pelco-D or Pelco-P
Baud Rates	2400, 4800, 9600
Camera ID	1 - 255
Alarm I/O	8 inputs , 4 outputs
On Screen Display	OSD menu, camera position, dome ID, alarm status, preset / VST/ pattern tour status

### Mechanical

Fan/Heater	No
Sunshield	No
Humidity range	<90%
Power Supply	12VDC/5A
Operation temperature	-20~+50
Dimensions	28.0*28.0*50.4cm
Ingress Protection	IP66
Weight	6.386KG

# IR-PTZ BRACKETS



# STANDALONE DVR Series

## DVRs

Small 1U Case



1U Case



2U Case



Small Plastic Case



## Recording Solutions

DVR systems are the "heart" of any CCTV installation! Eventually all the information streamed from the cameras accumulates into the DVR. The DVR captures the video signal coming from the camera, converts and saves it in digital format. Therefore, when it comes to the final video resolution, the DVR quality is not less important than the cameras. Moreover, since all the recording data is being saved and rewritten over and over on the DVR it must be extremely reliable and high standard product.

All of Provision-ISR DVR's are designed and manufactured according to the knowledge that was researched and practiced over many years of experience. All of them use the advanced H.264 video compression format in order to deliver the maximum video quality while using the minimum storage volume. Provision-ISR DVRs are made of the highest quality components and adapted to work in a wide-range of different conditions and applications. All of our DVRs

user friendly graphical interface running from its powerful processor.

Depending on the Model, our DVRs includes Digital VGA and HDMI monitor out, Analog Video out, Audio In/Out, RS-485 for PTZ control and Alarm In/Alarm out sockets. It is also supported by a powerful network function for remote monitoring, full remote configuration and mobile device application for remote monitoring.



# The New Upgraded 960H DVR's

Get 36% larger image than D1



### Intro:

960H DVR's perform in higher resolution by 36% compare with D1 at ratio of 16:9.

Nowadays, with increasing resolution of Analog camera's sensors and the improved abilities to produce over 700 TVL, 960H DVR will be the right choice for you. While capturing a high resolution video feed with D1 DVR, the image resolution is subject to D1 resolution which is 704 horizontal pixels so all TV lines greater than 704 are actually discarded by the DVR. With 960H DVR you will get 960 Horizontal pixels so the camera's high resolution is actually captured as a high resolution video recording on your DVR.

### Why 960H?

DVR systems are the "heart" of any CCTV installation! Eventually all the information streamed from the cameras accumulates into the DVR. The DVR captures the video signal coming from the camera, converts and saves it in digital format. Therefore, when it comes to the final video resolution, the DVR quality is not less important than the cameras. Moreover, since all the recording data is being saved and rewritten over and over on the DVR it must be extremely reliable and high standard product.

All of Provision-ISR DVR's are designed and manufactured according to the knowledge that was researched and practiced over many years of experience. All of them use the advanced H.264 video compression format in order to deliver the maximum video quality while using the minimum storage volume. Provision-ISR DVRs are made of the highest quality components and adapted to work in a wide-range of different conditions and applications. All of our DVRs



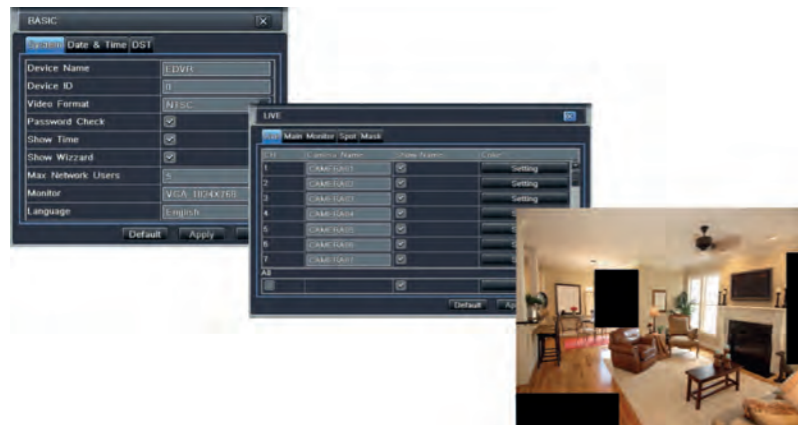
### Main Screen

- Clear and sharp image
- Easy and graphical operation
- Fast login for records
- Full Virtual keyboard
- PTZ control- presets, cruise, track and auto scan
- Audio control
- Virtual PTZ
- Two Way Audio



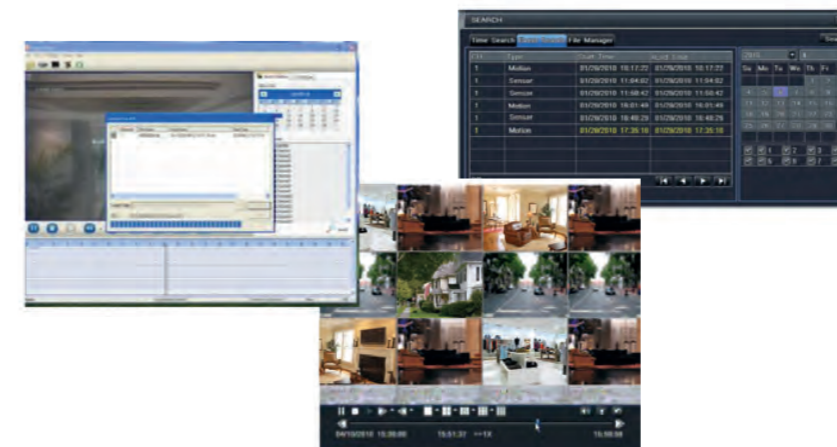
### Alarm & Motion

- Multi zone Motion Detect
- Motion Sensitivity
- Pre/Post record
- Up to 16 Alarms In and 4 Alarm Out
- Video loss alarm
- Full HDD alarm
- Motion To record, Alarm, PTZ, buzzer, full screen
- E-mail Notification with Picture Snap



### Basic & Live Settings

- HDMI resolution of up to 1080P (1920x1080)
- VGA resolution up to 1280X1024.
- Device name and ID editable.
- Language setting
- DST
- Channel name editable.
- Channel security by hiding live video/ name.
- Color adjustments
- Spot out dwell time adjustable
- Masking- 3 areas per channel.



### Playback & Backup

- Smart search (time, events, files)
- Full channel real time playback
- Support deleting and locking recorded files
- Dragging bar for quick playback
- Back up in AVI format
- Express backup to USB/DVDRW with DVR player automatically packed
- Image Color Modification
- Digital Zoom

### Record

- Recording resolution of up to 960H
- Dual Video Stream
- Selectable Frame rate for each channel.
- Audio recording.
- DATE / TIME position on the screen.
- Easy and graphical schedule setting by mouse
- Picture Snapshot



### Mobile Phones

- Mobile Surveillance by iOS & Android devices:
- Live View and PTZ Control Support
  - Multi-Channel View Support
  - Multi-Site (CMS Mode) Support
  - Audio Support\*
  - Remote Playback Support\*

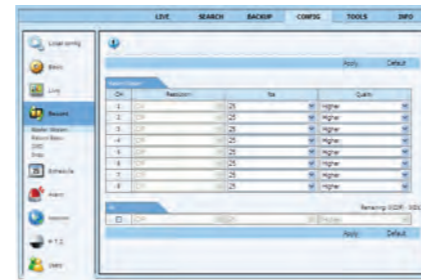


### Network

- Support Static IP, DHCP, PPOE, DDNS, P2P
- Support XP / VISTA / Win7 / Win8 / Win 8.1
- Support IE, Chrome, Firefox & Safari
- Fast connectivity.
- Dual Stream
- Remote Live view and Audio.
- Date & Time line table for playback.
- Full Channel playback
- Support Snap Shots.
- Color adjustment.
- Full remote setup
- Two Way Audio



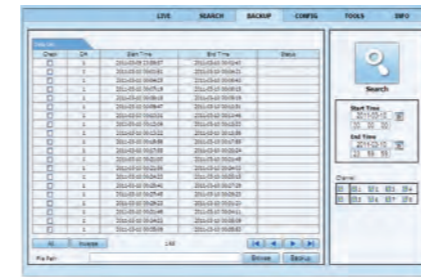
Remote Live



Remote Resolution Configuration



Remote Playback



Remote Backup



Device QR Code for quick input

Serial No

User Name

Password

Language

www.provisionisr-cloud.com interface

### Cloud P2P Connection

With Provision-ISR's Cloud P2P Technology, There is no more need for static IP Addresses, DDNS or Port-Forwarding.

- All you need is to connect your device to the internet, Install our "Provision CAM" Mobile App or have a PC connected to the internet.
- Scan the QR Code or manually input the device's MAC address to the Serial Number field, Input the user name and password and Login

### CMS 3.0

Free CMS 3.0 Software - Client management system software. its main function is to centralize all devices together and realize management of parameters and authorizations.

CMS support these main functions:

- Monitor the live sites
- Devices configuration (DVR, NVR, IP Cameras)
- Video search, playback and backup.

It also offers:

- ONVIF Support
- P2P Support



CMS 3.0 Interface

# Provision CAM

Enjoy our amazing FREE Application

## iPhone / Android Application

- Live View in single or multi-channel display mode
- CMS Mode
- Support 2 Way Audio - listen and talk
- Local video recording and playback on your mobile
- Image snapshot
- Remote playback including smart search
- Remote system configuration
- Servers list
- PTZ control
- Color adjustment



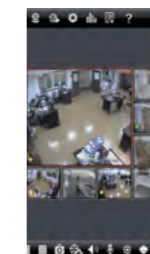
Status indication  
Drag camera

#### Live View

SuperLivePro allows you to display your cameras in Various display modes. single channel or multi channel

Live view screen includes "color light" indication tells you the camera status

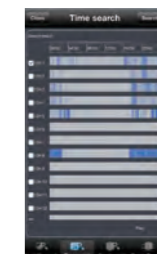
You can easily drag any camera and display it in any location you choose



Audio on  
Press to listen  
Press to talk

#### 2 Way Audio

Now you can listen and even talk to your camera's site (Mic/Spk must be connected to your DVR)



Smart search by different method

#### video recording and playback

Preserve your evidence! while watching your cameras you can just click on "REC" button and start recording immediately the selected camera on your iPhone! . later on you can play the recorded file on your iPhone



Save snap shot display

#### Image snapshot

Freeze any moment by snapshot. one click and the image stores to your iPhone



#### Remote playback including smart search

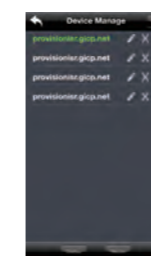
with SuperLivePro you can play / recorded files from your DVR on your iPhone anytime anywhere. it is including advance search by Time, Event or file list



Full access to your DVR setting

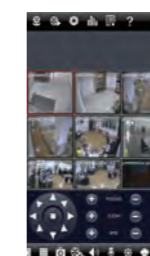
#### Setting

You can remotely control DVR system settings



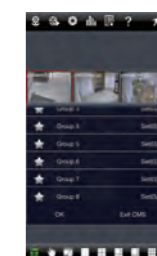
#### Servers list

Allows you to store a list of multi sites for easy access. including the site picture for your convenience



#### PTZ control

Take control from your mobile on your motorized PTZ cameras remotely



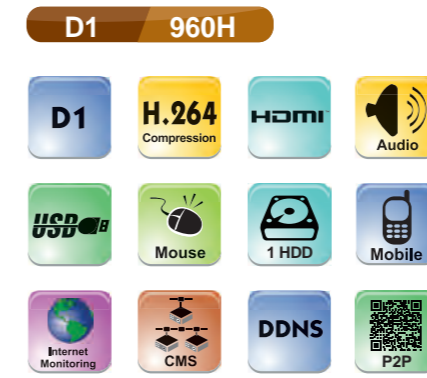
#### CMS Mode:

View several cameras from different devices, just like in your professional CMS 2.0 software.

### 4 CH ANALOGUE DVR SA-4100SHP



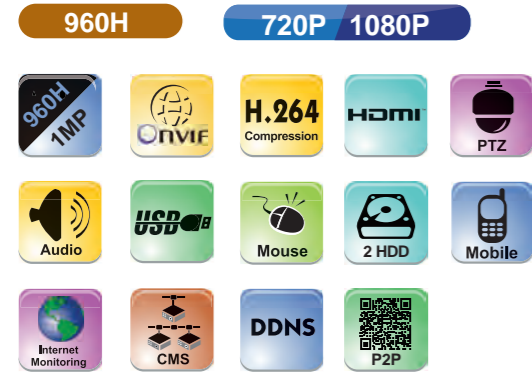
### 8 CH ANALOGUE DVR SA-8200HDP



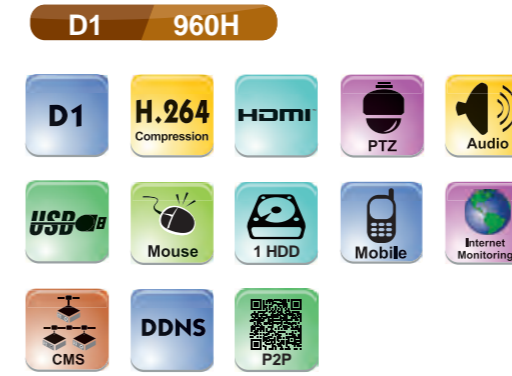
<b>MODEL</b>		SA-4100SHP	
<b>System</b>	Compression Format	Baseline H.264	
	ONVIF	No	
<b>Video</b>	Input	4CH Standard BNC	
	Standard Output	HDMI, CVBS, VGA (800x600, 1024x768, 1280x1024)	
<b>Audio</b>	Input	1CH	
	Output	1CH	
	Two Way Audio	Yes	
<b>Recording</b>	<b>Analog</b>	Real-Time Recording	4CH 960H Real-Time
		960H	100/120 FPS (Total)
		D1	100/120 FPS (Total)
		CIF	100/120 FPS (Total)
	<b>IP</b>	Real-Time Recording	No
		3MP	No
		2MP (1080P)	No
		1.3MP (960P)	No
		1MP (720P)	No
	<b>General</b>	Recording Modes	Schedule, Manual, Motion
<b>Playback</b>	Analog Playback Channel	4CH	
	IP Playback Channels	No	
	Search Mode	Time, Event, File Management	
<b>Backup</b>	USB	1 USB2.0 port	
	DVD Burner	No	
	Backup Format	DAT or AVI	
<b>Remote Application</b>	Master Stream	Up to 4CH@Recording Resolution	
	Sub-Stream	1-25/30 FPS @CIF	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
	Mobile Application	Provision CAM for iOS/Android Phones/Provision HD for iOS/Android Tablets	
	User Access	18 users online with professional authority management	
<b>Alarm</b>	Input	No	
	Output	No	
<b>Storage</b>	HDD	1SATA (4TB)	
	E-SATA	No	
<b>PTZ</b>	Connection	No	
	Supported Protocols	No	
	Supported Controls	No	
<b>Network</b>	Ethernet	100 Mbps (RJ-45)	
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
<b>Others</b>	Dimension	201(W) x 210(D) x 47(H) mm	
	IR Controller	Yes	
	Power Supply	DC12V/2A	
	Operation Temperature	0°C ~50°C	

<b>MODEL</b>		SA-8200HDP	
<b>System</b>	Compression Format	Baseline H.264	
	ONVIF	Embedded Linux	
<b>Video</b>	Input	8CH Standard BNC	
	Standard Output	HDMI, CVBS, VGA (800x600, 1024x768, 1280x1024)	
<b>Audio</b>	Input	1CH	
	Output	1CH	
	Two Way Audio	Yes	
<b>Recording</b>	<b>Analog</b>	Real-Time Recording	8CH D1 Real-Time
		960H	120FPS (NTSC)/100FPS (PAL)
		D1	240FPS (NTSC)/200FPS (PAL)
		CIF	240FPS (NTSC)/200FPS (PAL)
	<b>IP</b>	Real-Time Recording	No
		3MP	No
		2MP (1080P)	No
		1.3MP (960P)	No
		1MP (720P)	No
	<b>General</b>	Recording Modes	Schedule, Manual, Motion
<b>Playback</b>	Analog Playback Channel	8CH	
	IP Playback Channels	No	
	Search Mode	Time, Event, File Management	
<b>Backup</b>	USB	1 USB 2.0 port	
	DVD Burner	No	
	Backup Format	DAT or AVI	
<b>Remote Application</b>	Master Stream	Up to 8CH@Recording Resolution	
	Sub-Stream	1-25/30 FPS @CIF	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
	Mobile Application	Provision CAM for iOS/Android Phones/Provision HD for iOS/Android Tablets	
	User Access	18 users online with professional authority management	
<b>Alarm</b>	Input	No	
	Output	No	
<b>Storage</b>	HDD	1SATA (4TB)	
	E-SATA	No	
<b>PTZ</b>	Connection	No	
	Supported Protocols	No	
	Supported Controls	No	
<b>Network</b>	Ethernet	100 Mbps (RJ-45)	
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP	
<b>Others</b>	Dimension	201(W) x 210(D) x 47(H) mm	
	IR Controller	Yes	
	Power Supply	DC12V/2A	
	Operation Temperature	0°C ~50°C	

## 8CH ANALOGUE + 4CH IP HYBRID DVR SA-8200SH (1U)



## 16 CH ANALOGUE DVR SA-16400HDE



MODEL		SA-8200SH (1U)	
System	Compression Format	High Profile H.264	
	ONVIF	Yes	
Video	Input	8CH Standard BNC + 4CH IP (Over Network)	
	Standard Output	VGA, CVBS, HDMI, Spot	
Audio	Input	4CH RCA + IPC Inputs Over Network	
	Output	1CH RCA + IPC Outputs Over Network	
	Two Way Audio	Yes	
Recording	Analog	Real-Time Recording	8CH 960H Real-Time
		960H	240FPS (NTSC)/200FPS (PAL)
		D1	240FPS (NTSC)/200FPS (PAL)
		CIF	240FPS (NTSC)/200FPS (PAL)
	IP	Real-Time Recording	4CH 2MP Real-Time
		3MP	No
		2MP (1080P)	60FPS (NTSC)/50FPS (PAL) Total. Support up to 30/25FPS Per Channel
		1.3MP (960P)	84FPS (NTSC)/76FPS (PAL) Total. Support up to 30/25FPS Per Channel
	General	1MP (720P)	120FPS (NTSC)/100FPS (PAL)
		Recording Modes	Schedule, Manual, Motion, Sensor
Playback	Analog Playback Channel	8CH	
	IP Playback Channels	4CH	
	Search Mode	Time, Event, File Management	
Backup	USB	2 USB 2.0 Port	
	DVD Burner	Optional	
Remote Application	Backup Format	AVI/DAT	
	Master Stream	Up to 10CH@Recording Resolution	
	Sub-Stream	1-25/30 FPS @CIF	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
	Mobile Application	Provision CAM for iOS/Android Phones/Provision HD for iOS/Android Tablets	
Alarm	User Access	18 users online with professional authority management	
	Input	8	
Storage	Output	1	
	HDD	2 SATA (4TB)	
	E-SATA	No	
PTZ	Connection	1xRS-485 (IP PTZ Over Network)	
	Supported Protocols	Pelco D, Pelco P, Samsung, Visca, ONVIF	
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
Network	Ethernet	1000 Mbps (RJ-45)	
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP	
Others	Dimention	W430xD420xH90mm	
	IR Controller	Yes	
	Power Supply	12V/4A	
	Operation Temperature	0°C~50°C	

MODEL		SA-16400HDE	
System	Compression Format	Baseline H.264	
	ONVIF	No	
Video	Input	16CH Standard BNC	
	Standard Output	HDMI, CVBS, Spot, VGA (800x600, 1024x768, 1280x1024)	
Audio	Input	4CH	
	Output	1CH	
	Two Way Audio	Yes	
Recording	Analog	Real-Time Recording	16CH D1 Real-Time
		960H	240FPS (NTSC)/200FPS (PAL)
		D1	480FPS (NTSC)/400FPS (PAL)
		CIF	480FPS (NTSC)/400FPS (PAL)
	IP	Real-Time Recording	No
		3MP	No
		2MP (1080P)	No
		1.3MP (960P)	No
	General	1MP (720P)	No
		Recording Modes	Schedule, Manual, Motion, Sensor
Playback	Analog Playback Channel	16CH	
	IP Playback Channels	No	
	Search Mode	Time, Event, File Management	
Backup	USB	1 USB 2.0 Port	
	DVD Burner	Optional	
Remote Application	Backup Format	AVI/DAT	
	Master Stream	Up to 18CH@Recording Resolution	
	Sub-Stream	1-25/30 FPS @CIF	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
	Mobile Application	Provision CAM for iOS/Android Phones/Provision HD for iOS/Android Tablets	
Alarm	User Access	18 users online with professional authority management	
	Input	16	
Storage	Output	1	
	HDD	1 SATA (4TB)	
	E-SATA	No	
PTZ	Connection	1xRS-485	
	Supported Protocols	Pelco D, Pelco P, Samsung, Visca	
	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
Network	Ethernet	100 Mbps (RJ-45)	
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
Others	Dimention	W300xD260xH55mm	
	IR Controller	Yes	
	Power Supply	12V/2A	
	Operation Temperature	0°C ~50°C	

### 16CH ANALOGUE + 8CH IP HYBRID DVR SA-16400SH (1U)

960H 1080P 3MP



### 16 CH ANALOGUE DVR SA-16400SH (2U)

960H



MODEL	SA-16400SH (1U)		
System	Compression Format	High Profile H.264	
	ONVIF	Yes	
Video	Input	16CH Standard BNC + 8CH IP (Over Network)	
	Standard Output	HDMI, CVBS, Spot, VGA (800x600, 1024x768, 1280x1024)	
Audio	Input	4CH RCA + IPC Inputs Over Network	
	Output	1CH RCA + IPC Outputs Over Network	
Recording	Two Way Audio	Yes	
	Analog	Real-Time Recording	16CH 960H Real-Time
		960H	480FPS (NTSC)/400FPS (PAL)
		D1	480FPS (NTSC)/400FPS (PAL)
		CIF	480FPS (NTSC)/400FPS (PAL)
	IP	Real-Time Recording	8CH 2MP Real-Time
		3MP	180FPS (NTSC)/150FPS (PAL) Total. Support up to 30/25FPS Per Channel
		2MP (1080P)	240FPS (NTSC)/200FPS (PAL)
		1.3MP (960P)	240FPS (NTSC)/200FPS (PAL)
	General	1MP (720P)	240FPS (NTSC)/200FPS (PAL)
Recording Modes		Schedule, Manual, Motion, Sensor	
Playback	Analog Playback Channel	16CH	
	IP Playback Channels	4CH	
Backup	Search Mode	Time, Event, File Management	
	USB	2 USB 2.0 Port	
	DVD Burner	Optional	
	Backup Format	AVI/DAT	
Remote Application	Master Stream	Up to 18CH@Recording Resolution	
	Sub-Stream	1-25/30 FPS @CIF	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
Alarm	Mobile Application	Provision CAM for iOS/Android Phones/Provision HD for iOS/Android Tablets	
	User Access	18 users online with professional authority management	
Storage	Input	16	
	Output	1	
PTZ	HDD	2 SATA (4TB)	
	E-SATA	No	
	Connection	1xRS-485 (IP PTZ Over Network)	
	Supported Protocols	Pelco D, Pelco P, Samsung, Visca, ONVIF	
Network	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
	Ethernet	1000 Mbps (RJ-45)	
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
Others	Dimension	W430xD420xH90mm	
	IR Controller	Yes	
	Power Supply	12V/4A	
	Operation Temperature	0°C-50°C	

MODEL	SA-16400SH (2U)		
System	Compression Format	High Profile H.264	
	ONVIF	No	
Video	Input	16CH Standard BNC	
	Standard Output	HDMI, CVBS, Spot, VGA (800x600, 1024x768, 1280x1024)	
Audio	Input	16CH	
	Output	1CH	
Recording	Two Way Audio	Yes	
	Analog	Real-Time Recording	16CH 960H Real-Time
		960H	480FPS (NTSC)/400FPS (PAL)
		D1	480FPS (NTSC)/400FPS (PAL)
		CIF	480FPS (NTSC)/400FPS (PAL)
	IP	Real-Time Recording	No
		3MP	No
		2MP (1080P)	No
		1.3MP (960P)	No
	General	1MP (720P)	No
Recording Modes		Schedule, Manual, Motion, Sensor	
Playback	Analog Playback Channel	16CH	
	IP Playback Channels	No	
Backup	Search Mode	Time, Event, File Management	
	USB	1 USB 2.0 Port	
	DVD Burner	Optional	
	Backup Format	AVI/DAT	
Remote Application	Master Stream	Up to 18CH@Recording Resolution	
	Sub-Stream	1-25/30 FPS @CIF	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
Alarm	Mobile Application	Provision CAM for iOS/Android Phones/Provision HD for iOS/Android Tablets	
	User Access	18 users online with professional authority management	
Storage	Input	16	
	Output	4	
PTZ	HDD	8 SATA (4TB)	
	E-SATA	1 E-SATA	
	Connection	2xRS-485	
	Supported Protocols	Pelco D, Pelco P, Samsung, Visca	
Network	Supported Controls	Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
	Ethernet	1000 Mbps (RJ-45)	
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
Others	Dimension	W430xD450xH89	
	IR Controller	Yes	
	Power Supply	100-240AC	
	Operation Temperature	0°C -50°C	

### 32 CH ANALOGUE DVR SA-32800SH (1U)

960H



### 32 CH ANALOGUE DVR SA-32800SH (2U)

960H



MODEL		SA-32800SH (1U)	
System	Compression Format	High Profile H.264	
	ONVIF	No	
Video	Input	32CH Standard BNC	
	Standard Output	HDMI, CVBS, Spot, VGA (800x600, 1024x768, 1280x1024)	
Audio	Input	4CH	
	Output	1CH	
	Two Way Audio	Yes	
Recording	Analog	Real-Time Recording	16CH 960H Real-Time
		960H	960FPS (NTSC)/800FPS (PAL)
		D1	960FPS (NTSC)/800FPS (PAL)
		CIF	960FPS (NTSC)/800FPS (PAL)
	IP	Real-Time Recording	No
		3MP	No
		2MP (1080P)	No
		1.3MP (960P)	No
		1MP (720P)	No
	General	Recording Modes	Schedule, Manual, Motion, Sensor
Playback	Analog Playback Channel	16CH	
	IP Playback Channels	No	
	Search Mode	Time, Event, File Management	
Backup	USB	1 USB 2.0 Port	
	DVD Burner	Optional	
	Backup Format	AVI/DAT	
Remote Application	Master Stream	Up to 18CH@Recording Resolution	
	Sub-Stream	1-25/30 FPS @CIF	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
	Mobile Application	Provision CAM for iOS/Android Phones/Provision HD for iOS/Android Tablets	
User Access	User Access	18 users online with professional authority management	
	Alarm	Input: 16, Output: 1	
Storage	HDD	2 SATA (4TB)	
	E-SATA	No	
	PTZ	Connection: 1xRS-485, Supported Protocols: Pelco D, Pelco P, Samsung, Visca, Supported Controls: Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
Network	Ethernet	1000 Mbps (RJ-45)	
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
Others	Dimension	W430xD300xH55mm	
	IR Controller	Yes	
	Power Supply	12V/4A	
	Operation Temperature	0°C ~50°C	

MODEL		SA-32800SH (2U)	
System	Compression Format	High Profile H.264	
	ONVIF	No	
Video	Input	32CH Standard BNC	
	Standard Output	HDMI, CVBS, Spot, VGA (800x600, 1024x768, 1280x1024)	
Audio	Input	16CH	
	Output	1CH	
	Two Way Audio	Yes	
Recording	Analog	Real-Time Recording	16CH 960H Real-Time
		960H	960FPS (NTSC)/800FPS (PAL)
		D1	960FPS (NTSC)/800FPS (PAL)
		CIF	960FPS (NTSC)/800FPS (PAL)
	IP	Real-Time Recording	No
		3MP	No
		2MP (1080P)	No
		1.3MP (960P)	No
		1MP (720P)	No
	General	Recording Modes	Schedule, Manual, Motion, Sensor
Playback	Analog Playback Channel	16CH	
	IP Playback Channels	No	
	Search Mode	Time, Event, File Management	
Backup	USB	1 USB 2.0 Port	
	DVD Burner	Optional	
	Backup Format	AVI/DAT	
Remote Application	Master Stream	Up to 18CH@Recording Resolution	
	Sub-Stream	1-25/30 FPS @CIF	
	Browser	IE, Chrome, Safari, Firefox (Mac OS, Windows XP/Vista/7/8)	
	CMS	Yes	
	Mobile Application	Provision CAM for iOS/Android Phones/Provision HD for iOS/Android Tablets	
User Access	User Access	10 users online with professional authority management	
	Alarm	Input: 16, Output: 4	
Storage	HDD	4 SATA (4TB)	
	E-SATA	No	
	PTZ	Connection: 2xRS-485, Supported Protocols: Pelco D, Pelco P, Samsung, Visca, Supported Controls: Pan, Tilt, Zoom, Preset, Cruise, Scan, Iris, Focus	
Network	Ethernet	1000 Mbps (RJ-45)	
	Protocol	TCP/IP, DHCP, DDNS, NTP, SMTP, P2P	
Others	Dimension	W430 x D450 x H89	
	IR Controller	Yes	
	Power Supply	100-240AC	
	Operation Temperature	0°C ~50°C	

# DVRs Compare Table

Model Name	SA-4100SHP	SA-8200HDP	SA-8200SH(1U)	SA-16400HDE	SA-16400SH(1U)	SA-16400SH (2U)	SA-32800SH (1U)	SA-32800SH (2U)		
Format	960H	D1	960H + 720P Hybrid	D1	960H + 1080P Hybrid	960H	960H	960H		
Number of Analogue Inputs	4	8	8	16	16	16	32	32		
Number of IP Inputs	No	No	4	No	8	No	No	No		
Playback Channels	4	8	8 (4 IP)	16	16 (4 IP)	16	16	16		
Remote Playback Channels	4	8	8	16	16	16	16	16		
Live Preview While Playback	No	No	Yes (4CH)	No	Yes (4CH)	Yes (4CH)	Yes (4CH)	Yes (4CH)		
Loop	No	No	No	No	No	16	No	32		
Image Capture	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Output Type	CVBS (Spot), VGA, HDMI	CVBS (Spot), VGA, HDMI	CVBS, Spot, VGA, HDMI	CVBS, Spot, VGA, HDMI	CVBS, Spot, VGA, HDMI	CVBS, Spot, VGA, HDMI	CVBS, Spot, VGA, HDMI	CVBS, Spot, VGA, HDMI		
Dual Display	Yes	Yes	Yes	Yes	Yes	YES	Yes	Yes		
Case	Mini Plastic	Mini Plastic	1U	Small 1U	1U	2U	1U	2U		
Audio Input	1	1	4	4	4	16	4	16		
Audio Output	1	1	1	1	1	1	1	1		
Two Way Audio	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Mic In	No	No	No	No	No	Yes	No	1		
Alarm In	No	No	8	16	16	16	16	16		
Alarm Out	No	No	1	1	1	4	1	4		
PTZ Control	No	No	RS485	RS485	RS485x2	RS485x2	RS485	RS485 x 2		
Recording	AHD	Recording CIF	100/120FPS(Total)	200/240FPS(Total)	200/240FPS(total)	400/480 FPS(Total)	400/480FPS(total)	400/480 FPS (Total)	800/960 FPS(Total)	800(PAL)/960fps(NTSC)
		Recording Channels CIF	4ch @ 25/30 FPS	8ch @ 25/30 FPS	8CH@25/30FPS	16ch @ 25/30 FPS	16CH@25/30FPS	16ch @ 25/30 FPS	32CH@25/30FPS	32ch @ 25/30 FPS
		Recording D1	100/120FPS(Total)	200/240FPS(Total)	200/240FPS(total)	400/480 FPS(Total)	400/480FPS(total)	400/480 FPS (Total)	800/960 FPS(Total)	800(PAL)/960fps(NTSC)
		Recording Channels D1	4ch @ 25/30 FPS	8ch @ 25/30 FPS	8CH@25/30FPS	16ch @ 25/30 FPS	16CH@25/30FPS	16ch @ 25/30 FPS	32CH@25/30FPS	32ch @ 25/30 FPS
		Recording 960H	100/120FPS(Total)	100/120 FPS (Total)	200/240FPS(total)	200/240FPS(total)	400/480FPS(total)	400/480 FPS (Total)	800(PAL)/960fps(NTSC)	800(PAL)/960fps(NTSC)
		Recording Channels 960H	4ch @ 25/30 FPS	8ch @ 12/15 FPS	8CH@25/30FPS	16CH @ 12/15 FPS	16CH@25/30FPS	16ch @ 25/30 FPS	32ch @ 25/30 FPS	32ch @ 25/30 FPS
	IP	Recording 720P	No	No	100/120FPS	No	200/240FPS	No	No	No
		Recording Channels 720P	No	No	4Ch@25/30FPS	No	8Ch@25/30FPS	No	No	No
		Real-Time 720P	No	No	4Ch	No	8Ch	No	No	No
		Recording 960P	No	No	100/120FPS	No	200/240FPS	No	No	No
		Recording Channels 960P	No	No	4Ch@19/21FPS	No	8Ch@25/30FPS	No	No	No
		Real-Time 960P	No	No	3Ch	No	8Ch	No	No	No
		Recording 1080P	No	No	50/60FPS	No	200/240FPS	No	No	No
		Recording Channels 1080P	No	No	4Ch@12/15FPS	No	8Ch@25/30FPS	No	No	No
		Real-Time 1080P	No	No	2Ch	No	8Ch	No	No	No
		Recording 3MP	No	No	No	No	150/180FPS	No	No	No
		Recording Channels 3MP	No	No	No	No	8Ch@19/22FPS	No	No	No
		Real-Time 3MP	No	No	No	No	6Ch	No	No	No
H.264 Compression	Main profile	Main profile	High profile	Main profile	High profile	High profile	High profile	High profile		
HDD	1(3TB)	1(3TB)	2 (3TB)	1(3TB)	2 (3TB)	8 (3TB)	2 (3TB)	8 (3TB)		
HDD USB Port	1	1	1	1	1	1	2	1		
E-SATA	No	No	No	No	No	1	No	1		
Ethernet	100Mbps	100Mbps	100Mbps	100Mbps	100Mbps	1000Mbps	1000Mbps	1000 Mbps		
DVD Burner	No	No	No	No	No	Optional	Yes	Optional		
Master Stream	1-25/30 FPS @960H	1-25/30 FPS @D1	1~25/30fps @960H	1-25/30 FPS @D1	1~25/30fps@960H	1~25/30fps@960H	1~25/30fps@D1	25/30fps@960H		
Number of Master Stream Channels over Network	4	8	10	18	18	18	18	18		
Network Stream	1-25/30 FPS @CIF	1-12/15 FPS @CIF	1~25/30fps@CIF	1~12/15FPS@CIF	1~25/30fps@CIF	1~25/30fps@CIF	1~25/30fps@CIF	25/30fps@CIF		
Max Simultaneous Users	18	18	18	18	18	18	18	10		
IR Remote	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
IR Extention	No	No	Optional	Optional	Optional	No	Optional	Optional		
Mouse	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Power Supply	DC12V/2A	DC12V/2A	DC 12V4A	DC12V/2A	DC 12V 4A	100-240 VAC	DC 12V 4A	100-240V AC		

# CCTV Accessories



In line with our vision of creating a one-stop-shop for the entire range of CCTV products for our clients, we have created a full range of CCTV accessories to fit all types of CCTV installations. All Provision-ISR CCTV accessories are tested to ensure the highest quality, as we perfectly understand the importance of reliable CCTV accessories.

## LENSES

Provision-ISR's lens range includes 2 Mega-Pixel Lenses designed for High Definition cameras (IP & AHD). All of Provision-ISR's lenses use specially designed with advanced optical mechanisms and offer outstanding performance at affordable cost.

## MONITORS

7" and 9" High Resolution LCD Digital monitors with VGA interface for different CCTV applications, including door-phone monitors, installers' monitors, etc..

## POWER SUPPLIES

Provision-ISR 9 and 16-Channels Power Supplies are dedicated CCTV solutions. Our power supplies are specifically designed for CCTV according to the special needs of CCTV installations. The products are safe, friendlier and much more efficient than standard power supplies. cost.

## ACCESSORIES

A complete range of accessories to support any CCTV installation including: Camera housing and brackets; UTP video baluns, Multiplexers and more.



## Mega-Pixel Lens Auto Iris Lens

02812DCMP-3						
Resolution	3MP			Relative Aperture	1.4±5%	
Focal-length	2.8-12mm±5%			Mount	CS	
Format	6.6 (1/2.7*)(MAX)			Focus Range	0.2m~∞	
Angle of View	CCD Format	Horizontal	Vertical	Diagonal	Weight	42g
	1/2.5"	/	/	/	Focus	Manual focus and manual zoom
	1/2.7"	103°-30.8°	74.4°-23.3°	138°-40°	Iris	Auto
	1/3"	91°-28°	67.5°-21.2°	120.8°-36°	Operating Temperature	-20 C ~ + 60 C
	1/4"	73°-23.4°	44.8°-14.8°	87.6°-27.8°	Back Focal-length	6.52mm±0.1



0622DCMP-2						
Resolution	2MP			Relative Aperture	1.6±5%	
Focal-length	6-22mm±5%			Mount	CS	
Format	6.7(1/2.7*)(MAX )			Focus Range	0.2m~∞	
Angle of View	CCD Format	Horizontal	Vertical	Diagonal	Weight	61g
	1/2.5"	/	/	/	Focus	Manual focus and manual zoom
	1/2.7"	43.6°-16.5°	33.4°-12.4°	53.12°-20.6°	Iris	Auto
	1/3"	40°-15°	30.5°-11.3°	49°-18.7°	Operating Temperature	-20 C ~ + 60 C
	1/4"	/	/	/	Back Focal-length	7.2mm±0.1



0550DCMP-2						
Resolution	2MP			Relative Aperture	1.6±5%	
Focal-length	5-50mm±5%			Mount	CS	
Format	6.6 (1/2.7*)(MAX)			Focus Range	0.2m~∞	
Angle of View	CCD Format	Horizontal	Vertical	Diagonal	Weight	151g
	1/2.5"	/	/	/	Focus	Manual focus and manual zoom
	1/2.7"	52.3°-7°	38.5°-5.4°	64.6°-9°	Iris	Auto
	1/3"	48°-6.4°	36°-4.8°	58.5°-8°	Operating Temperature	-20 C ~ + 60 C
	1/4"	/	/	/	Back Focal-length	7.72mm±0.1



0550DCMP-1						
Resolution	1MP			Relative Aperture	1.6±5%	
Focal-length	5-50mm±5%			Mount	CS	
Format	1/3"			Focus Range	1.5m~∞	
Angle of View	CCD Format	Horizontal	Vertical	Diagonal	Weight	172g
	1/2.5"	/	/	/	Focus	Manual focus and manual zoom
	1/2.7"	61°-6.2°	34° ~ 3.5°	71° ~ 6.7°	Iris	Auto
	1/3"	50.3° ~ 5.1°	37.7° ~ 3.8°	62.9° ~ 6.32°	Operating Temperature	-20 C ~ + 60 C
	1/4"	/	/	/	Back Focal-length	8.86-12.04mm

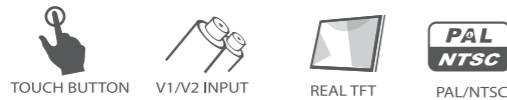


# 7"/9" TFT MONITORS



**ULTRA THIN**

Ultra Thin Design    Touch Button    High Resolution    2CH Video In    PAL/NTSC System



## TFT Digital Panel Monitor

Model	PR-TFT7D	PR-TFT9D
Resolution	800x480	800x480
TV System	PAL / NTSC	PAL / NTSC
Power Supply	DC 12V, 0.5A	DC 12V, 0.5A
Video Input	1VP-P, 750hm	1VP-P, 750hm
Work Temperature	10°C ~ 60°C	-10°C ~ 60°C
Viewing Angle	65/65/65/50 (L/R/U/D)	65/65/65/50 (L/R/U/D)
Contrast Ratio	300:1	300:1
Brightness	250CD/m2	300CD/m2
Weight	0.40Kg	0.45Kg
Dimension	177W x 117H x 15T mm	220W x 140H x 16T mm

# 8/9/16CH Power Supply

## Features

- High efficiency and environmental friendly design
- Optimal design for easy installation
- Extra stable power signal to support clear images
- Over-current protection
- Output over-voltage protection
- Short circuit protection
- Lock
- Indication LED



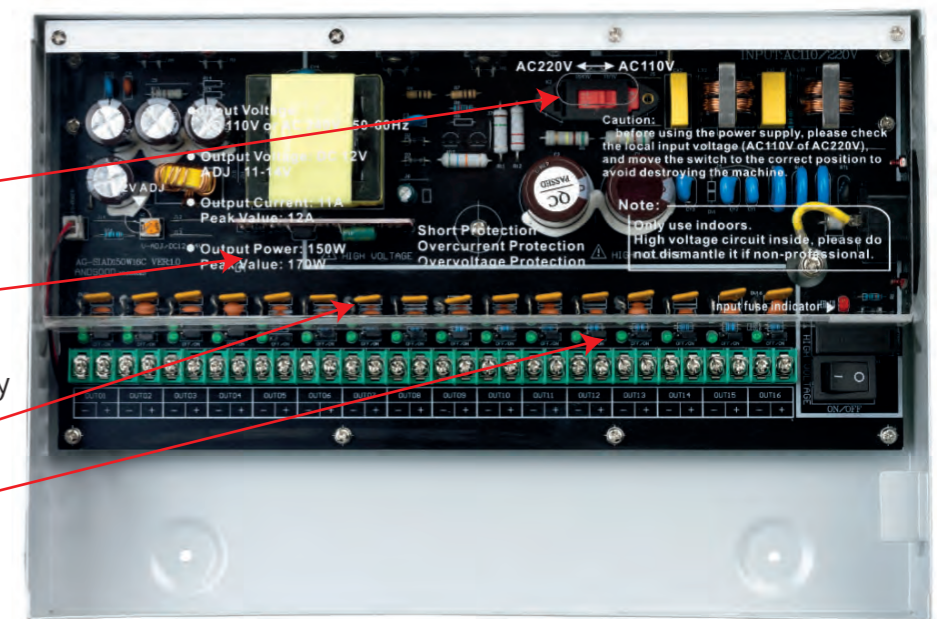
MODEL	PR-5A8CH	PR-10A9CH	PR-12A16CH
Description	DC12V 6Amp 8CH CCTV Power Supply	DC12V 10Amp 9CH CCTV Power Supply	DC12V 12Amp 16CH CCTV power supply
Input Voltage	AC100-240V	AC100-240V	AC110V/AC240V
Frequency	50-60HZ	50-60HZ	50-60HZ
Output Voltage	DC12V	DC12V	DC12V
Output Current	5Amp	10Amp	12Amp
Output Volt-Regulation Precision	DC12-14V	DC12-14V	DC12-14V
Over Current Protection	6 A ±5%	11A ±5%	14A±5%
Ripple & Noise	50MA	50MA	50MA
Efficiency	85%	85%	85%
Dimensions	185 x 230 x 50mm	200 x 202 x 50mm	205 x 305 x 50mm
Weight	1.2 Kg	1.4 Kg	2.2 Kg

110V-220V Selectable\*

Voltage Adjustment

Auto-recovery Fuse\*\*

1 part PCB



\*PR-5A8CH & PR-10A9CH are AC110-220V (No Switch)

\*\*PR-5A8CH uses normal fuses

