



IP Product Selector

### Ultra Series IP Camera

Ultra Series are among the best surveillance cameras in the industry. These cameras feature Ultra HD 4K videos or super-high 120 frames per second (depending on models) that will definitely satisfy the most demanding requirements. You will observe the finest details when playing or enlarging 4K videos, and capture the clearest image when stopping the 120 FPS video.



### S Series IP Camera

Packed with a 2MP sensor, S Series Cameras deliver superior video quality in 1080p in stunning 60 frames per second and provide excellent color image at low light environment. The defog function provides clear vision in foggy conditions, and the multiple alarm detection modes will ensure the safety of your properties.



### Z Series IP Camera

Z Series Cameras support autofocus via the web interface. Now, you can remotely adjust the focus after the camera is installed. Even if the camera is out of focus, manual adjustment using a physical button will be no longer necessary. Also, the support of multiple alarm detection modes will ensure the safety of your properties.



### Pro Series IP Camera

Pro Series Cameras are available in 2 – 5MP models, which not only support various advanced functions, including ROI, facial/tampering/sound/motion detection, but also support 4 simultaneous H.264/MJPEG streams. The built-in IR LED provides clear night vision up to 10 – 70 meters (depending on models). With Intelligent Video Surveillance, these cameras are ideal for almost any locations.



### M Series IP Camera

Packed with a 2MP sensor, M Series Cameras deliver superior video quality in 1080p in 30 frames per second. The built-in IR LED provides clear night vision, making these cameras ideal for high-contrast lighting conditions and for installations requiring high frame rates.



### L Series IP Camera

L Series Cameras deliver 1080p videos in 15 frames per second with its internal 2MP sensor. The distance of the built-in IR LED can reach 10 – 55 meters (depending on models).



Series		Feature	4K	5M	4M	3M	2M	Basic IVS	Advanced IVS	Low light	Auto Focus	HDR	2D WDR	Industries
Ultra Series	120fps	-	-	-	-	√	√	√	√	-	√	√	Casinos, Banking & Finance, Factories, City surveillance, Sport...	
	30fps	√	-	-	-	-	√	√	-	-	-	√		
S Series	60fps	-	-	-	-	√	√	√	√	-	√	√	Transportation, Industrial, Critical infrastructure, Government...	
Z Series	60fps	-	-	-	-	√	√	√	√	√	√	√	Transportation, Critical infrastructure, Factory...	
	30fps	√	-	-	-	√	√	-	-	√	√	√		
	20fps	-	-	√	-	-	√	-	-	√	√	√		
	15fps	-	-	-	√	-	√	-	-	√	-	√		
Pro Series	30fps	-	-	-	-	√	√	-	-	-	-	√	Retail, Education, Healthcare, Hotel & Restaurant, Commercial...	
	15fps	-	-	-	√	√	√	-	-	-	-	√		
	12fps	-	√	-	-	-	√	-	-	-	-	√		
M Series	30fps	-	-	-	-	√	√	-	-	-	√	√	Retail, Commercial, Hotel & Restaurants, Residential...	
	20fps	-	-	√	-	-	√	-	-	-	√	√		
L Series	15fps	-	-	-	-	√	-	-	-	-	-	√	Retail, Restaurants...	
LPR Series	60fps	-	-	-	-	√	√	-	-	-	√	√	Transportation, Parking Lot....	

## IVS Basic

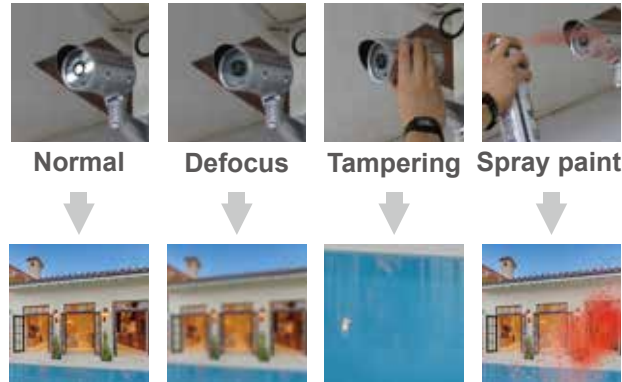
### Face Detection

Detect human face and save the face image for other applications.



### Tampering Detection

Detect if camera is physically hit or moved, or camera focus is obscured, making the image blurry, or vandalized with spray paint or other objects.



### Audio Detection

Detect the environment sound volume via the MIC of the camera. It can be used for class room, vault, and museum.



### Object Counting

Object counting can be used in the retail industry for people counting and in the transportation industry for vehicle counting and traffic management.



### Traffic Light Detection

Color detection for a specific area. This technology can be used for determining industrial light or traffic light signal reading.



### Tripwire

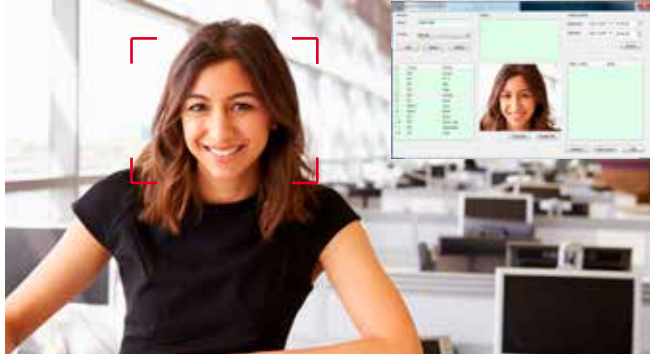
Tripwire detection can be used as a virtual fences for residential, school, and factory. A warning alarm will be given out once the object crosses over these virtual lines set up on the camera.



## IVS Advanced (optional)

### Facial Recognition

Recognize human face and trigger relevant actions or alarms, especially useful for door control applications.



### Missing Object Detection

Detect a missing object. This technology is suitable for monitoring an object missing in a museum or finding a parking space.



### Unattended Object Detection

Detect a "drop off" object. This technology is most suitable for the public place such as airport and bus station where the luggage or the dangerous object is left unattended. It can also be used for vehicle violation detection.



### Crowd Detection

Detect number of moving people or objects in a certain quantity and send alerts.



### Loitering Detection

Identify moving people or objects in a certain time and send alerts.



## Other features

### ANPR – license Plate Recognition

Automatic Number Plate Recognition (ANPR) enables you to make positive identifications and view license plate number of a vehicle. ANPR technology is available in Australia, Canada, China, Saudi Arabia, United States, and most European countries.

ANPR



### 3D Noise Reduction

Reduces noise from in signals, and suppresses noise in images taken in low light conditions while retaining quality at the same time.

ON



OFF



### Sense Up+

Delivers outstanding videos in poor light conditions without experiencing motion blur.

OFF



ON



PLUS ON



### HDR – High Dynamic Range

High Dynamic Range (HDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality.

ON



OFF



### ONVIF Compliance

Open Network Video Interface Forum (ONVIF) is a standard for physical IP based security products. LILIN IP cameras conforms to ONVIF Profile S.



### Privacy Masking

Privacy Masking is a feature used to protect personal privacy by concealing private areas in the camera's field of view. Doorways and house windows for example will not be subject to surveillance when Privacy Masking is applied.

ON



### IR Illumination

LILIN offers IP cameras with built-in infrared (IR) LEDs for IR illumination. With the IR LED, LILIN cameras provide night vision up to 150 meters.

OFF



IR



ON



### ROI – Region of Interest

A Region of Interest (ROI) is a specified area of a camera video. Such areas can be vehicle license plates or doorways, and will provide more details compared to areas outside the ROI.

ON



OFF



### 4K Ultra HD IP camera

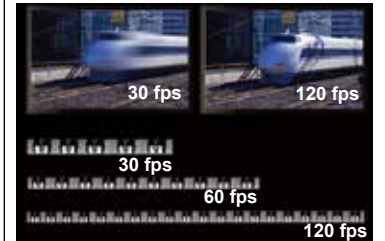
4K Ultra HD (UHD) IP cameras feature outstanding 3,840 x 2,160 4K resolution in 30 frames per second.. LILIN's UHG1182 significantly enhances your viewing experience by providing vivid details and astonishing saturated colors in Ultra High Definition (UHD), which is 4 times clearer than HD videos.

4K ULTRA



### 120 FPS Ultra High Frame Rate IP Camera

Videos recorded in 120 frame per second can be played in 4X slow motion in 30 frames per second without delay. LILIN's UFG1122, a 120 FPS 1,080p IP camera, is capable of seizing every moment with detail-rich and crystal clear high resolution videos.



## Ultra Series IP Camera

## S Series IP Camera

					
<b>Model</b>	UHG1182	UFG1122	SR7424X SR7428X	SR8222	SR7022E
<b>Resolution</b>	4K / 8MP (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
<b>Lens</b>	-	-	2.8 – 12mm	4mm	4mm
<b>Iris</b>	-	-	F1.4	F2.0	F1.6
<b>Angle of view (H)</b>	-	-	91.2° – 25.5°	84°	84.8°
<b>Pick up element</b>	1/2.3" CMOS	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS
<b>Effective pixels</b>	4072 x 3046	1952 x 1266	1952 x 1266	1952 x 1266	1952 x 1266
<b>Min. illumination</b>	0.5 Lux at F1.2 (Color) 0.1 Lux at F1.2 (B/W)	0.04 Lux at F1.2 (Color) 0.01 Lux at F1.2 (B/W)	0.06 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)	0.08 Lux at F2.0 (Color) 0.03 Lux at F2.0 (B/W)	0.07 Lux at F1.6 (Color) 0.03 Lux at F1.6 (B/W)
<b>FPS at max. resolution</b>	30FPS	120FPS	60FPS	60FPS	60FPS
<b>Max. IR distance</b>	-	-	45M	35M	30M
<b>Compression</b>	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile Motion JPEG
<b>Streams</b>	4	4	4	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	-	Supported (Up to 120 dB)	Supported (Up to 120 dB)	Supported (Up to 120 dB)	Supported (Up to 120 dB)
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	1/1	1/1	1/1	1/1	-
<b>Event detection</b>	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection
<b>IP / vandal rating</b>	- / -	- / -	IP66 / -	IP66 / -	IP66 / -
<b>Operating temperature</b>	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
<b>Power supply</b>	DC12V, PoE	DC12V, PoE	AC24V / AC100 – 240V / PoE+	DC12V, PoE+	DC12V, PoE
<b>Power consumption</b>	DC12V, 7.2W PoE, 8W	DC12V, 7.2W PoE, 8W	AC24V / AC100 – 240V, 15W PoE+, 16.5W	DC12V, 13.2W PoE+, 14.8W	DC12V, 10W PoE, 11W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way	2-way	2-way	-
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	-	-	-	-	6mm / F1.6 (0.15 Lux at F1.6)
<b>Others</b>	Digital PTZ, Micro SD/SDHC/SDXC card, Built-in microphone RS-485 supported	Digital PTZ, Micro SD/SDHC/SDXC card, Built-in microphone RS-485 supported Defog function	Digital PTZ, Micro SD/SDHC/SDXC card, Defog function	Digital PTZ, Micro SD/SDHC/SDXC card, Defog function	Digital PTZ, Micro SD/SDHC/SDXC card, Defog function

## S Series IP Camera

## Z Series IP Camera (Auto Focus)






					
<b>Model</b>	<b>SR6422X</b>	<b>SR2922X</b>	<b>SD2222</b>	<b>SG1122</b>	<b>ZHR8182X</b>
<b>Resolution</b>	1080P (D & N)	1080P (D & N)	1080P	1080P (D & N)	4K / 8MP (D & N)
<b>Lens</b>	2.8 – 12 mm	2.8 – 12 mm	4mm	-	3.6 – 10 mm
<b>Iris</b>	F1.4	F1.4	F1.6	-	F1.6
<b>Angle of view (H)</b>	91.2° – 25.5°	91.2° – 25.5°	84.8°	-	94° – 39.9°
<b>Pick up element</b>	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS	1/1.8" CMOS
<b>Effective pixels</b>	1952 x 1266	1952 x 1266	1952 x 1266	1952 x 1266	4072 x 3046
<b>Min. illumination</b>	0.06 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)	0.06 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)	0.07 Lux at F1.6	0.04 Lux at F1.2 (Color) 0.01 Lux at F1.2 (B/W)	0.4 Lux at F1.6 (Color) 0.08 Lux at F1.6 (B/W)
<b>FPS at max. resolution</b>	60FPS	60FPS	60FPS	60FPS	30 FPS
<b>Max. IR distance</b>	30M	30M	-	-	35M
<b>Compression</b>	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile Motion JPEG
<b>Streams</b>	4	4	4	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	Supported (Up to 120 dB)	Supported (Up to 120 dB)	Supported (Up to 120 dB)	Supported (Up to 120 dB)	-
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	-	-	-	1/1	1/1
<b>Event detection</b>	Motion detection	Motion detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection
<b>IP / vandal rating</b>	IP66 / IK10	- / -	- / -	- / -	IP66 / -
<b>Operating temperature</b>	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
<b>Power supply</b>	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE+
<b>Power consumption</b>	DC12V, 9W PoE, 10.5W	DC12V, 9W PoE, 10.5W	DC12V, 6W PoE, 6.8W	DC12V, 7.2W PoE, 8W	DC12V, 17W PoE+, 18.5W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way	1-way	2-way	2-way
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	-	-	2.8mm / F1.8 (0.15 Lux at F1.8)	-	-
<b>Others</b>	Digital PTZ, Micro SD/SDHC/SDXC card, Defog function 3-Axis construction, Vandal resistant approve	Digital PTZ, Micro SD/SDHC/SDXC card, Defog function 3-Axis construction,	Digital PTZ, Micro SD/SDHC/SDXC card, Built-in microphone Defog function	Digital PTZ, Micro SD/SDHC/SDXC card, Built-in microphone, RS-485 supported, Defog function	Digital PTZ, Micro SD/SDHC/SDXC card, Zoom / focus motorized, Smart IR control

## Z Series IP Camera (Auto Focus)





					
<b>Model</b>	<b>ZHR6482EX2</b>	<b>ZMR8442X</b>	<b>ZMR8142X-P</b>	<b>ZMR8142X2-P</b>	<b>ZMR7742X</b>
<b>Resolution</b>	4K / 8MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)
<b>Lens</b>	3.6 – 10mm	2.8 – 8 mm	2.8 – 12 mm	7.0 – 22 mm	2.8 – 8 mm
<b>Iris</b>	F1.5 – F2.8	F1.6	F1.4 (W) – F2.8 (T), P-IRIS	F1.8 – F2.8, P-IRIS	F1.6
<b>Angle of view (H)</b>	98° – 42°	97.3° (W) – 49.2° (T)	89.3° – 30.4°	42° – 15°	97.6° – 54.0°
<b>Pick up element</b>	1/1.7" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
<b>Effective pixels</b>	4072 x 3046	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520
<b>Min. illumination</b>	0.5 Lux at F1.5 (Color) 0.05 Lux at F1.5 (B/W) 0 Lux with IR LED ON	0.4 Lux at F1.6 (Color) 0.08 Lux at F1.6 (B/W) 0 Lux with IR LED ON	0.2 Lux at F1.4 (Color) 0.04 Lux at F1.4 (B/W) 0 Lux with IR LED ON	0.3 Lux at F1.8 (Color) 0.06 Lux at F1.8 (B/W) 0 Lux with IR LED ON	0.4 Lux at F1.6 (Color) 0.08 Lux at F1.6 (B/W) 0 Lux with IR LED ON
<b>FPS at max. resolution</b>	30FPS	20FPS	20FPS	20FPS	20 FPS
<b>Max. IR distance</b>	30M	30M	40M	40M	40M
<b>Compression</b>	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile , Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile Motion JPEG
<b>Streams</b>	4	4	4	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	-	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported(Up to 100 dB)
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	-	-	-	-
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	1/1	-	1/1	1/1	1/1
<b>Event detection</b>	Motion detection Digital Input alarm detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection
<b>IP / vandal rating</b>	IP66 / IK10	IP66 / -	IP66 / -	IP66 / -	IP66 / -
<b>Operating temperature</b>	-40°C – +50°C ( -40°F – 122°F )	-40°C – +50°C ( -40°F – 122°F )	-40°C – +50°C ( -40°F – 122°F )	-40°C – +50°C ( -40°F – 122°F )	-40°C – +50°C ( -40°F – 122°F )
<b>Power supply</b>	DC12V, PoE	DC12V, PoE	DC12V, PoE+	DC12V, PoE+	DC12V, PoE
<b>Power consumption</b>	DC12V, 9.5W PoE, 10.5W	DC12V, 7.5W PoE, 8.6W	DC12V, 11.2W PoE, 12.5W	DC12V, 13W PoE+, 14W	DC12V, 8.4W PoE, 10.6W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	-	2-way	2-way	2-way
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	-	-	-	-	-
<b>Others</b>	Digital PTZ, Micro SD/SDHC/SDXC card, Smart H.264 supported, 3-Axis construction, Zoom / focus motorized	Digital PTZ, Micro SD/SDHC/SDXC card, Smart H.264 supported, Zoom / focus motorized, Cable managed housing and bracket	Digital PTZ, Micro SD/SDHC/SDXC card, Smart H.264 supported, Zoom / focus motorized, P-IRIS supported	Digital PTZ, Micro SD/SDHC/SDXC card, Smart H.264 supported, Zoom / focus motorized, P-IRIS supported	Digital PTZ, Micro SD/SDHC/SDXC card, Auto focus with zoom / focus motorized lens





**Z Series IP Camera (Auto Focus)**

	 <b>New</b>	 <b>New</b>			
Model	ZMR7442X-P	ZMR7442X2-P	ZMR6542X	ZMR6442AX-P	ZG1232X
<b>Resolution</b>	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)	3MP (D & N)
<b>Lens</b>	2.8 – 12 mm	7.0 – 22 mm	2.8 – 8 mm	2.8 – 12 mm	3.3 – 10.5 mm (CS Mount)
<b>Iris</b>	F1.4 – F2.8, P-IRIS	F1.8 – F2.8, P-IRIS	F1.6	F1.4 – F2.8, P-IRIS	F1.4
<b>Angle of view (H)</b>	94.8° – 36.4°	42° – 15°	97.3° – 49.2°	89.3° – 30.4°	79.3° – 29.8°
<b>Pick up element</b>	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/2.8" CMOS
<b>Effective pixels</b>	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2096 x 1561
<b>Min. illumination</b>	0.2 Lux at F1.4 (Color) 0.04 Lux at F1.4 (B/W) 0 Lux with IR LED ON	0.3 Lux at F1.8 (Color) 0.06 Lux at F1.8 (B/W) 0 Lux with IR LED ON	0.4 Lux at F1.6 (Color) 0.08 Lux at F1.6 (B/W) 0 Lux with IR LED ON	0.2 Lux at F1.4 (Color) 0.04 Lux at F1.4 (B/W) 0 Lux with IR LED ON	0.2 Lux at F1.4 (Low light mode)
<b>FPS at max. resolution</b>	20FPS	20FPS	20FPS	20FPS	15FPS
<b>Max. IR distance</b>	50M	50M	30M	30M	-
<b>Compression</b>	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264, Motion JPEG
<b>Streams</b>	4	4	4	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	-
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	-	-	-	-	-
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	1/1	1/1	-	1/1	1/1
<b>Event detection</b>	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection
<b>IP / vandal rating</b>	IP66 / -	IP66 / -	IP66 / IK10	IP66 / IK10	-
<b>Operating temperature</b>	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
<b>Power supply</b>	DC12V, PoE+	DC12V, PoE+	DC12V, PoE	DC12V, PoE	DC12V, PoE
<b>Power consumption</b>	DC12V, 13.5W PoE+, 14.5W	DC12V, 13.5W PoE+, 14.5W	DC12V, 7.2W PoE, 8.3W	DC12V, 7.4W PoE, 9W	DC12V, 7W PoE, 8W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way	-	2-way	2-way
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	-	-	-	-	-
<b>Others</b>	Digital PTZ, Micro SD/SDHC/SDXC card, Auto focus with zoom / focus motorized lens P-IRIS supported	Digital PTZ, Micro SD/SDHC/SDXC card, Auto focus with zoom / focus motorized lens P-IRIS supported	Digital PTZ, Smart H.264 supported, Zoom / focus motorized	Digital PTZ, Micro SD/SDHC/SDXC card, Smart H.264 supported, 3-Axis construction, Zoom / focus motorized P-IRIS supported	Digital PTZ, Micro SD / SDHC card, Built-in microphone RS-485 supported Auto Back Focus (One Push)

## Z Series IP Camera (Auto Focus)

			 <span style="color: red; font-weight: bold;">New</span>		
Model	ZSR8122X	ZMR8122X-P	ZMR8122X2-P	ZMR8422X	ZR8022X10
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens	2.8 – 12 mm	2.8 – 12 mm	7.0 – 22 mm	2.8 – 8 mm	5mm – 50mm
Iris	F1.4	F1.4 – F2.8, P-IRIS	F1.8 – F2.8, P-IRIS	F1.6	F1.6 – F1.8
Angle of view (H)	90° – 36°	93.1° – 31.4°	41° – 14°	102.3° – 51.6°	54° – 4.9°
Pick up element	1/2.86" MOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	1952 x 1266	1945 x 1097	1945 x 1097	1945 x 1097	1984 x 1105
Min. illumination	0.05 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)	0.02 Lux at F1.4 (Color) 0.005 Lux at F1.4 (B/W) 0 Lux with IR LED ON	0.03 Lux at F1.8 (Color) 0.07 Lux at F1.8 (B/W) 0 Lux with IR LED ON	0.02 Lux at F1.6 (Color) 0.005 Lux at F1.6 (B/W) 0 Lux with IR LED ON	0.02 Lux at F1.6 (Low light mode)
FPS at max. resolution	60FPS	30FPS	30FPS	30FPS	30 FPS
Max. IR distance	35M	40M	40M	30M	60M
Compression	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264, Motion JPEG
Streams	4	4	4	4	4
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	Supported (Up to 120 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	-
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection
IVS Advanced (optional)	Face detection, missing object detection, unattended object detection, crowd detection, loitering detection	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1/1	1/1	1/1	-	1/1
Event detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection Digital Input alarm detection
IP / vandal rating	IP66 / -	IP66 / -	IP66 / -	IP66 / -	IP66 / -
Operating temperature	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V, PoE+	DC12V, PoE+	DC12V, PoE+	DC12V, PoE	DC12V, PoE+
Power consumption	DC12V, 15.2W PoE+, 16.6W	DC12V, 11.2W PoE, 12.5W	DC12V, 13W PoE+, 14W	DC12V, 7.5W PoE, 8.6W	DC12V, 18W PoE+, 21W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	2-way	2-way	2-way	-	2-way
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	-
Other	Digital PTZ, Micro SD/SDHC/SDXC card, Zoom / focus motorized, Defog function Smart IR control	Digital PTZ, Micro SD/SDHC/SDXC card, Smart H.264 supported, Zoom / focus motorized, P-IRIS supported	Digital PTZ, Micro SD/SDHC/SDXC card, Smart H.264 supported, Zoom / focus motorized, P-IRIS supported	Digital PTZ, Micro SD/SDHC/SDXC card, Smart H.264 supported, Zoom / focus motorized, Cable managed housing and bracket	Digital PTZ, Micro SD/SDHC card, Auto focus zoom lens

**Z Series IP Camera (Auto Focus)**






		 <b>New</b>		 <b>New</b>	 <b>New</b>
<b>Model</b>	<b>ZR8022X20</b>	<b>ZMR7722X</b>	<b>ZR7424X ZR7428X</b>	<b>ZMR7422X-P</b>	<b>ZMR7422X2-P</b>
<b>Resolution</b>	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
<b>Lens</b>	4.7mm – 94mm	2.8 – 8 mm	2.8 – 12 mm	2.8 – 12 mm	7.0 – 22 mm
<b>Iris</b>	F1.6 – F3.0	F1.6	F1.4	F1.4 – F2.8, P-IRIS	F1.8 – F2.8, P-IRIS
<b>Angle of view (H)</b>	55.5° – 3°	94.7° – 57.1°	91.2° – 25.5°	90.6° – 36.1°	41° – 14°
<b>Pick up element</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Effective pixels</b>	1984 x 1105	1945 x 1097	1984 x 1105	1945 x 1097	1945 x 1097
<b>Min. illumination</b>	0.02 Lux at F1.6 (Low light mode)	0.03 Lux at F1.6 (Color) 0.007 Lux at F1.6 (B/W) 0 Lux with IR LED ON	0.02 Lux at F1.4 (Low light mode)	0.02 Lux at F1.4 (Color) 0.005 Lux at F1.4 (B/W) 0 Lux with IR LED ON	0.03 Lux at F1.8 (Color) 0.07 Lux at F1.8 (B/W) 0 Lux with IR LED ON
<b>FPS at max. resolution</b>	30 FPS	30 FPS	30FPS	30FPS	30FPS
<b>Max. IR distance</b>	60M	40M	45M	50M	50M
<b>Compression</b>	H.264, Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264, Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile Motion JPEG
<b>Streams</b>	4	4	4	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	-	Supported(Up to 100 dB)	-	Supported(Up to 100 dB)	Supported(Up to 100 dB)
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	-	-	-	-	-
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	1/1	1/1	1/1	1/1	1/1
<b>Event detection</b>	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection
<b>IP / vandal rating</b>	IP66 / -	IP66 / -	IP66 / -	IP66 / -	IP66 / -
<b>Operating temperature</b>	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
<b>Power supply</b>	DC12V, PoE+	DC12V, PoE	AC24V / AC100 – 240V, PoE+	DC12V, PoE+	DC12V, PoE+
<b>Power consumption</b>	DC12V, 18W PoE+, 21W	DC12V, 8.2W PoE, 10.1W	AC24V / AC100 – 240V, 15W PoE+, 17W	DC12V, 13.5W PoE+, 14.5W	DC12V, 13.5W PoE+, 14.5W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way	2-way	2-way	2-way
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	-	-	-	-	-
<b>Other</b>	Digital PTZ, Micro SD/SDHC card, Auto focus zoom lens	Digital PTZ, Micro SD/SDHC/SDXC card, Auto focus with zoom / focus motorized lens	Digital PTZ, Micro SD/ SDHC card, Zoom / focus motorized,	Digital PTZ, Micro SD/SDHC/SDXC card, Auto focus with zoom / focus motorized lens P-IRIS supported	Digital PTZ, Micro SD/SDHC/SDXC card, Auto focus with zoom / focus motorized lens P-IRIS supported

Z Series IP Camera (Auto Focus)			Pro Series IP Camera		
<b>Model</b>	<b>ZMR6522X</b>	<b>ZMR6422AX-P</b>	<b>IPG1052</b>	<b>IPR6132X</b>	<b>IPD6132X</b>
<b>Resolution</b>	1080P	1080P (D & N)	5MP (D & N)	3MP (D & N)	3MP (D & N)
<b>Lens</b>	2.8 – 8 mm	2.8 – 12 mm	-	2.8 – 12 mm	2.8 – 12 mm
<b>Iris</b>	F1.6	F1.4 – F2.8, P-IRIS	-	F1.4	F1.4
<b>Angle of view (H)</b>	102.3° – 51.6°	93.1° – 31.4°	-	91.2° – 25.5°	91.2° – 25.5°
<b>Pick up element</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.5" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Effective pixels</b>	1945 x 1097	1945 x 1097	2592 x 1944	2096 x 1561	2096 x 1561
<b>Min. illumination</b>	0.02 Lux at F1.6 (Color) 0.005 Lux at F1.6 (B/W) 0 Lux with IR LED ON	0.02 Lux at F1.4 (Color) 0.005 Lux at F1.4 (B/W) 0 Lux with IR LED ON	0.2 Lux at F1.2 (Low light mode)	0.15 Lux at F1.4 (Low light mode)	0.15 Lux at F1.4 (Low light mode)
<b>FPS at max. resolution</b>	30FPS	30FPS	12FPS	15FPS	15FPS
<b>Max. IR distance</b>	30M	30M	-	25M	-
<b>Compression</b>	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
<b>Streams</b>	4	4	4	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	Supported (Up to 100 dB)	Supported (Up to 100 dB)	-	-	-
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	-	-	-	-	-
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	-	1/1	1/1	1/1	1/1
<b>Event detection</b>	Motion detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection
<b>IP / vandal rating</b>	IP66 / IK10	IP66 / IK10	- / -	IP67 / IK10	IP67 / IK10
<b>Operating temperature</b>	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
<b>Power supply</b>	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
<b>Power consumption</b>	DC12V, 7.2W PoE, 8.3W	DC12V, 7.4W PoE, 9W	DC12V, 6W PoE, 7.5W	DC12V, 9W PoE, 10.2W	DC12V, 6W PoE, 7.5W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	-	2-way	2-way	2-way	2-way
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	-	-	-	-	-
<b>Other</b>	Digital PTZ, Smart H.264 supported, Zoom / focus motorized	Digital PTZ, Micro SD/SDHC/SDXC card, P-IRIS supported, Vandal resistant approve, Smart H.264 supported, Zoom / focus motorized P-IRIS supported	Digital PTZ, Micro SD / SDHC card Built-in microphone RS-485 supported	Digital PTZ, Micro SD / SDHC card, 3-Axis construction	Digital PTZ, Micro SD / SDHC card, 3-Axis construction

**Pro Series IP Camera**

					
<b>Model</b>	<b>IPR424X IPR428X</b>	<b>IPR7424X IPR7428X</b>	<b>IPR7722X</b>	<b>IPR722</b>	<b>IPR6122X</b>
<b>Resolution</b>	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
<b>Lens</b>	2.8 – 12 mm	2.8 – 12 mm	2.8 – 12 mm	4mm	2.8 – 12 mm
<b>Iris</b>	F1.4	F1.4	F1.4	F1.6	F1.4
<b>Angle of view (H)</b>	91.2°– 25.5°	91.2°– 25.5°	91.2°– 25.5°	84.8°	91.2°– 25.5°
<b>Pick up element</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
<b>Effective pixels</b>	1984 x 1105	1984 x 1105	1984 x 1105	1984 x 1105	1984 x 1105
<b>Min. illumination</b>	0.02 Lux at F1.4 (Low light mode)	0.02 Lux at F1.4 (Low light mode)	0.02 Lux at F1.4 (Low light mode)	0.03 Lux at F1.6 (Low light mode)	0.02 Lux at F1.4 (Low light mode)
<b>FPS at max. resolution</b>	30FPS	30FPS	30FPS	30FPS	30FPS
<b>Max. IR distance</b>	55M	45M	35M	30M	25M
<b>Compression</b>	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
<b>Streams</b>	4	4	4	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	-	-	-	-	-
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	-	-	-	-	-
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	1/1	1/1	1/1	-	1/1
<b>Event detection</b>	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection Digital Input alarm detection
<b>IP / vandal rating</b>	IP66 / -	IP66 / -	IP66 / -	IP66 / -	IP67 / IK10
<b>Operating temperature</b>	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
<b>Power supply</b>	AC24V / AC100 – 240V, PoE+	AC24V / AC100 – 240V, PoE+	DC12V, PoE	DC12V, PoE	DC12V, PoE
<b>Power consumption</b>	17W PoE+, 20W	14W PoE+, 16W	DC12V, 10.5W PoE, 12W	DC12V, 9W PoE, 10.2W	DC12V, 9W PoE, 10.2W
<b>Mobile phone</b>	iOS, Android	iOS, Android	Phone, iPad, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way	2-way	-	2-way
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	-	9 – 22mm (0.02 Lux at F1.4)	-	6mm / F1.8 (0.05 Lux at F1.8)	-
<b>Other</b>	Digital PTZ, Micro SD / SDHC card	Digital PTZ, Micro SD / SDHC card	Digital PTZ, Micro SD / SDHC card	Digital PTZ, Micro SD / SDHC card	Digital PTZ, Micro SD / SDHC card, 3-Axis construction

## Pro Series IP Camera






					
Model	IPD6220 (M12)	IPD6222 (RJ-45)	IPR320X	IPR2522	IPR2322X
Resolution	1080P	1080P	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens	4 mm	4 mm	2.8 – 12 mm	4 mm	2.8 – 12 mm
Iris	F1.6	F1.6	F1.4	F1.6	F1.4
Angle of view (H)	84.8°	84.8°	91.2° – 25.5°	84.8°	91.2° – 25.5°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.8" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1984 x 1105	1920 x 1080	1984 x 1105
Min. illumination	0.2 Lux at F1.6	0.2 Lux at F1.6	0.02 Lux at F1.4 (Low light mode)	0.08 Lux at F1.6 (Low light mode)	0.02 Lux at F1.4 (Low light mode)
FPS at max. resolution	30FPS	30FPS	30FPS	30FPS	30FPS
Max. IR distance	-	-	25M	10M	25M
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	4	4	4	4	4
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	-	-	-	-	-
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	-	-	1/1	1/1
Event detection	Motion detection	Motion detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection Digital Input alarm detection
IP / vandal rating	IP67 / IK8	IP67 / IK8	IP66 / IK7	- / -	- / -
Operating temperature	-40°C – +55°C (-40°F – 131°F)	-40°C – +55°C (-40°F – 131°F)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
Power supply	PoE	PoE (IPD6220) DC12V, PoE (IPD6222)	DC12V, PoE	DC12V, PoE	DC12V, PoE
Power consumption	PoE, 5W	DC12V, 4.5W PoE, 5W	DC12V, 9W PoE, 10.2W	DC12V, 7.5W PoE, 8.5W	DC12V, 9W PoE, 10.2W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	1-way	1-way	-	2-way	2-way
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	2.8mm / F1.8 (0.4 Lux at F1.8)	2.8mm / F1.8 (0.4 Lux at F1.8)	-	6mm / F1.8 (0.1 Lux at F1.8)	-
Others	Digital PTZ, Micro SD / SDHC card, Built-in microphone, EN50155	Digital PTZ, Micro SD / SDHC card, Built-in microphone,	Digital PTZ,	Digital PTZ, Micro SD / SDHC card	Digital PTZ, Micro SD / SDHC card, Ceiling & embedded mount, 3-Axis construction

**Pro Series IP Camera**
**M Series IP Camera**

					
<b>Model</b>	<b>IPR2122</b>	<b>IPD2122</b>	<b>IPG1022X</b>	<b>MR8442X</b>	<b>MR8342</b>
<b>Resolution</b>	1080P (D & N)	1080P (D & N)	1080P (D & N)	4MP (D & N)	4MP (D & N)
<b>Lens</b>	4 mm	4 mm	3 – 10.5mm (CS Mount)	2.8 – 12 mm	4 mm
<b>Iris</b>	F1.6	F1.6	F1.4	F1.4	F2.0
<b>Angle of view (H)</b>	84.8°	84.8°	100.1° – 35.8°	95° – 33°	84°
<b>Pick up element</b>	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS
<b>Effective pixels</b>	1984 x 1105	1984 x 1105	1984 x 1105	2688 x 1520	2688 x 1520
<b>Min. illumination</b>	0.03 Lux at F1.6 (Low light mode)	0.03 Lux at F1.6 (Low light mode)	0.02 Lux at F1.4 (Low light mode)	0.15 Lux at F1.4 (Color) 0.05 Lux at F1.4 (B/W)	0.2 Lux at F2.0 (Color) 0.08 Lux at F2.0 (B/W)
<b>FPS at max. resolution</b>	30FPS	30FPS	30FPS	20FPS	20FPS
<b>Max. IR distance</b>	16M	-	-	30M	30M
<b>Compression</b>	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	Smart H.264/ H.264 High/ Main Profile, Motion JPEG	Smart H.264/ H.264 High/ Main Profile, Motion JPEG
<b>Streams</b>	4	4	4	3	3
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	-	-	-	Supported (Up to 100 dB)	Supported (Up to 100 dB)
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	Face detection, tampering detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, tripwire, object counting, traffic light detection	Face detection, tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	-	-	-	-	-
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	-	-	1/1	-	-
<b>Event detection</b>	Motion detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection
<b>IP / vandal rating</b>	- / -	- / -	- / -	IP66 / -	IP66 / -
<b>Operating temperature</b>	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
<b>Power supply</b>	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
<b>Power consumption</b>	DC12V, 7.5W PoE, 8.5W	DC12V, 5W PoE, 6W	DC12V, 6W PoE, 7.5W	DC12V, 8.4W PoE, 10W	DC12V, 5.2W PoE, 6.6W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	-	-	2-way	-	-
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	6mm / F1.8 (0.05 Lux at F1.8)	6mm / F1.8 (0.05 Lux at F1.8)	-	-	-
<b>Others</b>	Digital PTZ, 3-Axis construction Micro SD / SDHC card	Digital PTZ, 3-Axis construction, Micro SD / SDHC card	Digital PTZ, Micro SD / SDHC card, Built-in microphone	Digital Zoom, Micro SD/SDHC/SDXC card, Ceiling & wall mount	Digital Zoom, Micro SD/SDHC/SDXC card, Ceiling & wall mount






## M Series IP Camera

M Series IP Camera

					
Model	MR6442X	MR6442AX	MR2942X	MR2942AX	MR6342
Resolution	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)
Lens	2.8 – 12 mm	2.8 – 12 mm	2.8 – 12 mm	2.8 – 12 mm	4 mm
Iris	F1.4	F1.4	F1.4	F1.4	F2.0
Angle of view (H)	95° – 33°	95° – 33°	95° – 33°	95° – 33°	84°
Pick up element	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Effective pixels	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520	2688 x 1520
Min. illumination	0.15 Lux at F1.4 (Color) 0.05 Lux at F1.4 (B/W)	0.15 Lux at F1.4 (Color) 0.05 Lux at F1.4 (B/W)	0.15 Lux at F1.4 (Color) 0.05 Lux at F1.4 (B/W)	0.15 Lux at F1.4 (Color) 0.05 Lux at F1.4 (B/W)	0.2 Lux at F2.0 (Color) 0.08 Lux at F2.0 (B/W)
FPS at max. resolution	20FPS	20FPS	20FPS	20FPS	20FPS
Max. IR distance	30M	30M	30M	30M	30M
Compression	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG
Streams	4	4	4	4	4
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	1/1	-	1/1	-
Event detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection
IP / vandal rating	IP66 / IK10	IP66 / IK10	- / -	- / -	IP66 / IK10
Operating temperature	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
Power consumption	DC12V, 5.4W PoE, 7W	DC12V, 5.4W PoE, 7W	DC12V, 5.4W PoE, 7W	DC12V, 5.4W PoE, 7W	DC12V, 4.5W PoE, 5.6W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	2-way	-	2-way	-
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	-
Others	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction, Vandal resistant approve	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction, Vandal resistant approve	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction, Vandal resistant approve








**M Series IP Camera**

					
Model	MR6342A	MR3042	MR3042A	MR6542	MD2242
Resolution	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP
Lens	4 mm	4 mm	4 mm	4 mm	3.6 mm
Iris	F2.0	F2.0	F2.0	F2.0	F2.0
Angle of view (H)	84°	84°	84°	84°	88°
Pick up element	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/2.7" CMOS	1/3" CMOS
Effective pixels	2688 x 1520	2688 x 1520	2688 x 1520	1920 x 1080	2688 x 1520
Min. illumination	0.2 Lux at F2.0 (Color) 0.08 Lux at F2.0 (B/W)	0.2 Lux at F2.0 (Color) 0.08 Lux at F2.0 (B/W)	0.2 Lux at F2.0 (Color) 0.08 Lux at F2.0 (B/W)	0.3 Lux at F2.0 (Color) 0.06 Lux at F2.0 (B/W)	0.3 Lux at F2.0 (Color) 0.06 Lux at F2.0 (B/W)
FPS at max. resolution	20FPS	20FPS	20FPS	20FPS	20FPS
Max.IR distance	30M	30M	30M	30M	-
Compression	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	H.264, Motion JPEG	Smart H.264/ H.264 High/ Main Profile, Motion JPEG
Streams	4	4	4	3	3
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	-	Supported (Up to 100 dB)
2D WDR	Supported	Supported	Supported	-	Supported
IVS Basic	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	-	Tampering detection, audio detection, tripwire, object counting, traffic light detection
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1/1	-	1/1	-	-
Event detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection
IP / vandal rating	IP66 / IK10	- / -	- / -	IP66 / -	- / -
Operating temperature	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
Power supply	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
Power consumption	DC12V, 4.5W PoE, 5.6W	DC12V, 4.5W PoE, 5.6W	DC12V, 4.5W PoE, 5.6W	DC12V, 5.8W PoE, 7W	DC12V, 2.6W PoE, 3.8W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	2-way	-	2-way	-	1-way
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	-
Others	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction, Vandal resistant approve	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction	Digital PTZ	Digital Zoom, Micro SD/SDHC/SDXC card, Built-in microphone

## M Series IP Camera

				 <b>New</b>	 <b>New</b>
Model	MR8422X	MR8322	MR832	MR6522	MR6522E2
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens	2.8 – 12 mm	4 mm	4 mm	4 mm	2.8 mm
Iris	F1.4	F2.0	F2.0	F2.0	F1.8
Angle of view (H)	102°– 34°	90°	94°	84°	102°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination	0.08 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.02 Lux at F2.0 (Color) 0.005 Lux at F2.0 (B/W)	0.015 Lux at F1.8 (Color) 0.003 Lux at F1.8 (B/W)
FPS at max. resolution	30FPS	30FPS	30FPS	30FPS	30FPS
Max.IR distance	30M	30M	30M	30M	30M
Compression	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	3	3	3	3	3
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	Supported (Up to 100 dB)	Supported (Up to 100 dB)	-	-	-
2D WDR	Supported	Supported	Supported	-	-
IVS Basic	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection	-	-	-
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	-	-	-	-
Event detection	Motion detection	Motion detection	Motion detection	Motion detection	Motion detection
IP / vandal rating	IP66 / -	IP66 / -	IP66 / -	IP66 / -	IP66 / -
Operating temperature	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
Power consumption	DC12V, 8.4W PoE, 10W	DC12V, 5.2W PoE, 6.6W	DC12V, 7.5W PoE, 8.5W	DC12V, 5.8W PoE, 7W	DC12V, 5.8W PoE, 7W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	-	-	-
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	-
Others	Digital Zoom, Micro SD/SDHC/SDXC card, Ceiling & wall mount	Digital Zoom Micro SD/SDHC/SDXC card, Ceiling & wall mount	Digital PTZ, Micro SD / SDHC card, Ceiling & wall mount	Digital PTZ	Digital PTZ






**M Series IP Camera**

					
Model	MR652	MR6422X	MR6422AX	MR2922X	MR2922AX
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens	4 mm	2.8 – 12 mm	2.8 – 12 mm	2.8 – 12 mm	2.8 – 12 mm
Iris	F2.0	F1.4	F1.4	F1.4	F1.4
Angle of view (H)	94°	102° – 34°	102° – 34°	102° – 34°	102° – 34°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.08 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)	0.08 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)	0.08 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)	0.08 Lux at F1.4 (Color) 0.02 Lux at F1.4 (B/W)
FPS at max. resolution	30FPS	30FPS	30FPS	30FPS	30FPS
Max.IR distance	30M	30M	30M	30M	30M
Compression	H.264, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG
Streams	3	4	4	4	4
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	-	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)	Supported (Up to 100 dB)
2D WDR	-	Supported	Supported	Supported	Supported
IVS Basic	-	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	-	1/1	-	1/1
Event detection	Motion detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection Digital Input alarm detection
IP / vandal rating	IP66 / -	IP66 / IK10	IP66 / IK10	- / -	- / -
Operating temperature	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
Power supply	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
Power consumption	DC12V, 5.8W PoE, 7W	DC12V, 5.4W PoE, 7W	DC12V, 5.4W PoE, 7W	DC12V, 5.4W PoE, 7W	DC12V, 5.4W PoE, 7W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	2-way	-	2-way
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	-
Others	Digital PTZ	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction, Vandal resistant approve	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction, Vandal resistant approve	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction






## M Series IP Camera

M

Series IP Camera

					
Model	MR6322	MR6322A	MR632	MR3022	MR3022A
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens	4 mm	4 mm	4 mm	4 mm	4 mm
Iris	F2.0	F2.0	F2.0	F2.0	F2.0
Angle of view (H)	90°	90°	94°	90°	90°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)
FPS at max. resolution	30FPS	30FPS	30FPS	30FPS	30FPS
Max.IR distance	30M	30M	30M	30M	30M
Compression	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	H.264, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG	Smart H.264/ H.264 High/Main Profile, Motion JPEG
Streams	4	4	3	4	4
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	Supported (Up to 100 dB)	Supported (Up to 100 dB)	-	Supported (Up to 100 dB)	Supported (Up to 100 dB)
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	-	Tampering detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	1/1	-	-	1/1
Event detection	Motion detection	Motion detection Digital Input alarm detection	Motion detection	Motion detection	Motion detection Digital Input alarm detection
IP / vandal rating	IP66 / IK10	IP66 / IK10	IP66 / IK10	- / -	- / -
Operating temperature	-40°C - +50°C (-40°F - 122°F)	-40°C - +50°C (-40°F - 122°F)	-40°C - +50°C (-40°F - 122°F)	-25°C - +50°C (-13°F - 122°F)	-25°C - +50°C (-13°F - 122°F)
Power supply	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
Power consumption	DC12V, 4.5W PoE, 5.6W	DC12V, 4.5W PoE, 5.6W	DC12V, 4.8W PoE, 6W	DC12V, 4.5W PoE, 5.6W	DC12V, 4.5W PoE, 5.6W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	2-way	-	-	2-way
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	-
Others	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction, Vandal resistant approve	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction, Vandal resistant approve	Digital PTZ, Micro SD / SDHC card, 3-Axis construction Vandal resistant approve	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction	Digital PTZ, Micro SD/SDHC/SDXC card, 3-Axis construction

**M Series IP Camera**

					
Model	MR302	MR312	MD2222	MD2222E2	MG1022
Resolution	1080P (D & N)	1080P (D & N)	1080P	1080P	1080P (D & N)
Lens	4 mm	2.9 mm	3.6 mm	2.8 mm	-
Iris	F2.0	F2.0	F2.0	F1.8	-
Angle of view (H)	94°	102°	96°	118.6°	-
Pick up element	1/2.7" CMOS	1/2.9" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.15 Lux at F2.0 (Color) 0.04 Lux at F2.0 (B/W)	0.07 Lux at F1.8 (Color) 0.03 Lux at F1.8 (B/W)	0.05 Lux at F1.2 (Color) 0.01 Lux at F1.2 (B/W)
FPS at max. resolution	30FPS	30FPS	30FPS	30FPS	30FPS
Max.IR distance	30M	30M	-	-	-
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG
Streams	3	3	4	4	4
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	-	-	Supported (Up to 100 dB)	Supported (Up to 105 dB)	Supported (Up to 100 dB)
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic	-	-	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	-	-	-	1/1
Event detection	Motion detection	Motion detection	Motion detection	Motion detection	Motion detection Digital Input alarm detection
IP / vandal rating	- / -	- / -	- / -	- / -	- / -
Operating temperature	-25°C - +50°C (-13°F - 122°F)	-25°C - +50°C (-13°F - 122°F)	-25°C - +50°C (-13°F - 122°F)	-25°C - +50°C (-13°F - 122°F)	-25°C - +50°C (-13°F - 122°F)
Power supply	DC12V, PoE	PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
Power consumption	DC12V, 4.8W PoE, 6W	8.5W	DC12V, 2.6W PoE, 3.8W	DC12V, 2.6W PoE, 3.8W	DC12V, 3.2W PoE, 4.4W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	1-way	1-way	2-way
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	-
Others	Digital PTZ, Micro SD / SDHC card, 3-Axis construction	Digital PTZ, Micro SD / SDHC card, 3-Axis construction	Digital PTZ, Micro SD/SDHC/SDXC card, Built-in microphone	Digital PTZ, Micro SD/SDHC/SDXC card, Built-in microphone	Digital PTZ, Micro SD/SDHC/SDXC card, Built-in microphone

## L Series IP Camera

					
Model	LR832	LR7722X	LR7424X LR7428X	LR7224X LR7228X	LR7022
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens	4 mm	2.8 – 12 mm	2.8 – 12 mm	2.8 – 12 mm	4mm
Iris	F2.0	F1.4	F1.4	F1.4	F2.0
Angle of view (H)	94°	91.2° – 25.5°	91.2° – 25.5°	91.2° – 25.5°	84.8°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.05 Lux at F1.4 (Low light mode)	0.05 Lux at F1.4 (Low light mode)	0.05 Lux at F1.4 (Low light mode)	0.08 Lux at F2.0 (Low light mode)
FPS at max. resolution	15FPS	15FPS	15FPS	15FPS	15FPS
Max.IR distance	30M	35M	45M	55M	30M
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	3	3	3	3	3
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	-	-	-	-	-
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic	-	-	-	-	-
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	1/1	1/1	1/1	-
Event detection	-	-	-	-	-
IP / vandal rating	IP66 / -	IP66 / -	IP66 / -	IP66 / -	IP66 / -
Operating temperature	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V, PoE	DC12V, PoE	AC24V / AC100 – 240V, PoE+	AC24V / AC100 – 240V, PoE+	DC12V, PoE
Power consumption	DC12V, 7.5W PoE, 8.5W	DC12V, 10.5W PoE, 12W	14W PoE+, 16W	17W PoE+, 20W	DC12V, 9W PoE, 10.2W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	2-way	2-way	2-way	-
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	6mm / F2.0 (0.08 Lux at F2.0 )
Others	Digital zoom, Micro SD / SDHC card, Ceiling & wall mount	Digital zoom, Micro SD / SDHC card	Digital zoom, Micro SD / SDHC card	Digital zoom, Micro SD / SDHC card	Digital zoom, Micro SD / SDHC card

**L Series IP Camera**

					
Model	LR632	LR6122X	LR6022X	LR652	LR312
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P	1080P (D & N)
Lens	4 mm	2.8 – 12 mm	2.8 – 12 mm	4 mm	2.9mm
Iris	F2.0	F1.4	F1.4	F2.0	F2.0
Angle of view (H)	94°	91.2°– 25.5°	91.2°– 25.5°	94°	102°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.9" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.05 Lux at F1.4 (Low light mode)	0.05 Lux at F1.4 (Low light mode)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)
FPS at max. resolution	15FPS	15FPS	15FPS	30FPS	15FPS
Max.IR distance	30M	25M	25M	30M	30M
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	3	3	3	3	3
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	-	-	-	-	-
2D WDR	Supported	Supported	Supported	-	Supported
IVS Basic	-	-	-	-	-
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	1/1	-	-	-
Event detection	-	-	-	-	-
IP / vandal rating	IP66 / IK10	IP67 / IK10	IP66 / IK7	IP66 / -	- / -
Operating temperature	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
Power supply	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	PoE
Power consumption	DC12V, 4.8W PoE, 6W	DC12V, 9W PoE, 10.2W	DC12V, 9W PoE, 10.2W	DC12V, 5.8W PoE, 7W	8.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	2-way	-	-	-
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	-	-	-	-
Others	Digital zoom, Micro SD / SDHC card, 3-Axis construction Vandal resistant approve	Digital zoom, Micro SD / SDHC card, 3-Axis construction	Digital zoom,	Digital PTZ,	Digital zoom, 3-Axis construction, Micro SD / SDHC card

## L Series IP Camera

					
Model	LR302	LR2522	LR2322X	LD2222	LR2122
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P	1080P (D & N)
Lens	4 mm	4mm	2.8 – 12 mm	4 mm	4mm
Iris	F2.0	F1.6	F1.4	F1.6	F1.6
Angle of view (H)	94°	84.4°	91.2° – 25.5°	84.8°	84.4°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Min. illumination	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	0.08 Lux at F1.6 (Low light mode)	0.05 Lux at F1.4 (Low light mode)	0.2 Lux at F1.6	0.08 Lux at F1.6 (Low light mode)
FPS at max. resolution	15FPS	15FPS	15FPS	15FPS	15FPS
Max.IR distance	30M	10M	25M	-	16M
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	3	3	3	3	3
Sense Up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	-	-	-	-	-
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic	-	-	-	-	-
IVS Advanced (optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	1/1	1/1	-	-
Event detection	-	-	-	-	-
IP / vandal rating	- / -	- / -	- / -	- / -	- / -
Operating temperature	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
Power supply	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
Power consumption	DC12V, 4.8W PoE, 6W	DC12V, 7.5W PoE, 8.5W	DC12V, 9W PoE, 10.2W	DC12V, 4.5W PoE, 5W	DC12V, 7.5W PoE, 8.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	2-way	2-way	1-way	-
ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S
Lens options	-	6mm / F1.8 (0.1 Lux at F1.8)	-	2.8mm / F1.8 (0.8 Lux at F1.8)	6mm / F1.6 (0.08 Lux at F1.6)
Others	Digital zoom, Micro SD / SDHC card, 3-Axis construction	Digital zoom, Micro SD / SDHC card	Digital zoom, Micro SD / SDHC card, Ceiling & embedded mount, 3-Axis construction	Digital zoom, Micro SD / SDHC card, Built-in microphone	Digital zoom, 3-Axis construction, Micro SD / SDHC card



L Series IP Camera		LPR Series IP Camera		
<b>Model</b>	<b>LD2122</b>	<b>LB1022X</b>	<b>SG1122LPR</b>	<b>ZSR8122LPR</b>
<b>Resolution</b>	1080P	1080P (D & N)	1080P (D & N)	1080P (D & N)
<b>Lens</b>	4mm	3 – 10.5mm (CS Mount)	-	7.0 – 22 mm
<b>Iris</b>	F1.6	F1.4	-	F1.8 - F2.8
<b>Angle of view (H)</b>	84.8°	100.1° – 35.8°	-	41° – 14°
<b>Pick up element</b>	1/2.7" CMOS	1/2.7" CMOS	1/2.86" MOS	1/2.86" MOS
<b>Effective pixels</b>	1920 x 1080	1920 x 1080	1952 x 1266	1952 x 1266
<b>Min. illumination</b>	0.2 Lux at F1.6	0.05 Lux at F1.4 (Low light mode)	0.04 Lux at F1.2 (Color) 0.01 Lux at F1.2 (B/W)	0.06 Lux at F1.8 (Color) 0.005 Lux at F1.8 (B/W)
<b>FPS at max. resolution</b>	15FPS	15FPS	60FPS	60FPS
<b>Max.IR distance</b>	-	-	-	35M
<b>Compression</b>	H.264, Motion JPEG	H.264, Motion JPEG	H.264 Main / High Profile Motion JPEG	H.264 Main / High Profile, Motion JPEG
<b>Streams</b>	3	3	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported
<b>HDR</b>	-	-	Supported (Up to 120 dB)	Supported (Up to 120 dB)
<b>2D WDR</b>	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	-	-	Tampering detection, audio detection, tripwire, object counting, traffic light detection	Tampering detection, audio detection, tripwire, object counting, traffic light detection
<b>IVS Advanced (optional)</b>	-	-	-	-
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	-	1/1	1/1	1/1
<b>Event detection</b>	-	-	Smart Event LPR	Smart Event LPR
<b>IP / vandal rating</b>	- / -	- / -	- / -	IP66 / -
<b>Operating temperature</b>	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
<b>Power supply</b>	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE+
<b>Power consumption</b>	DC12V, 5W PoE, 6W	DC12V, 6W PoE, 7.5W	DC12V, 7.2W PoE, 8W	DC12V, 15.2W PoE+, 16.6W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	-	2-way	2-way	2-way
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	6mm / F1.8 (0.8 Lux at F1.8)	-	-	-
<b>Others</b>	Digital zoom, 3-Axis construction, Micro SD / SDHC card	Digital zoom, Micro SD / SDHC card, Built-in microphone	Digital PTZ, Micro SD/SDHC/SDXC card, Built-in microphone, RS-485 supported, Defog function	Digital PTZ, Micro SD/SDHC/SDXC card, Zoom / focus motorized, Defog function Smart IR control

Panoramic Series IP Camera			Covert Series IP Camera		
<b>Model</b>	<b>FR33C2</b>	<b>FR3362</b>	<b>IPC0422</b>	<b>IPC0122</b>	<b>IPC0122W</b>
<b>Resolution</b>	12MP (D & N)	6MP (D & N)	1080P (D & N)	1080P	1080P
<b>Lens</b>	1.65 mm	1.6 mm	4mm	3.7 mm	3.7 mm
<b>Iris</b>	F2.8	F1.6	F2.0	F2.8	F2.8
<b>Angle of view (H)</b>	190°	185°	94°	100°	100°
<b>Pick up element</b>	1/1.7" CMOS	1/1.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
<b>Effective pixels</b>	4000 x 3000	3072 x 2048	1920 x 1080	1920 x 1080	1920 x 1080
<b>Min. illumination</b>	0.1 Lux at F2.8 (Color) 0.01 Lux at F2.8 (B/W)	0.04 Lux at F1.6 (Color) 0.002 Lux at F1.6 (B/W)	0.15 Lux at F2.0 (Color) 0.05 Lux at F2.0 (B/W)	1.5 Lux at F2.8	1.5 Lux at F2.8
<b>FPS at max. resolution</b>	20FPS	30FPS	30FPS	30FPS	30FPS
<b>Max. IR distance</b>	5M	5M	16M	-	-
<b>Compression</b>	H.264 Main / High Profile, Motion JPEG	H.264 Main / High Profile, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
<b>Streams</b>	4	4	4	4	4
<b>Sense Up +</b>	Supported	Supported	Supported	Supported	Supported
<b>3D noise reduction</b>	Supported	Supported	Supported	Supported	Supported
<b>HDR</b>	-	-	-	-	-
<b>2D WDR</b>	Supported	Supported	Supported	Supported	Supported
<b>IVS Basic</b>	-	-	Motion detection, face detection tampering detection, audio detection, alarm detection, network detection	Motion detection, face detection tampering detection, audio detection, alarm detection, network detection	Motion detection, face detection tampering detection, audio detection, alarm detection, network detection
<b>IVS Advanced (optional)</b>	-	-	-	-	-
<b>Privacy masking</b>	4 zones	4 zones	4 zones	4 zones	4 zones
<b>Digital I/O</b>	1/1	1/1	2/1	2/1	2/1
<b>Event detection</b>	-	-	-	-	-
<b>IP / vandal rating</b>	IP66 / IK10	IP66 / IK10	IP66(camera) / -	- / -	- / -
<b>Operating temperature</b>	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
<b>Power supply</b>	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE	DC12V, PoE
<b>Power consumption</b>	DC12V, 8.1W PoE, 7.1W	DC12V, 8.1W PoE, 7.1W	DC12V, 7.5W PoE, 8.5W	DC12V, 6W PoE, 7.5W	DC12V, 6.5W PoE, 8W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way	2-way	2-way	2-way
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S	Profile S
<b>Lens options</b>	-	-	-	-	-
<b>Others</b>	ePTZ, Audio / Motion / Alarm detection, Micro SD / SDHC / SDXC card, Built-in microphone Independent view angle : 4	ePTZ, Audio / Motion / Alarm detection, Micro SD / SDHC / SDXC card, Built-in microphone Independent view angle : 4	Digital PTZ , Micro SD / SDHC card, Stainless dome camera	Digital PTZ , Micro SD / SDHC card, Small size (module : Ø25x32mm)	Digital PTZ , Micro SD / SDHC card, Small size (module : Ø25x32mm), WiFi (IEEE 802.11 b/g/n)

Panoramic Series IP Camera

Covert Series IP Camera


## Door Station

<b>Model</b>	<b>IPC0522</b>
<b>Resolution</b>	1080P
<b>Lens</b>	2.1mm
<b>Iris</b>	F1.8
<b>Angle of view (H)</b>	129°
<b>Pick up element</b>	1/2.7" CMOS
<b>Effective pixels</b>	1920 x 1080
<b>Min. illumination</b>	0.5 Lux at F1.8 (Color) 0.1 Lux at F1.8 (B/W)
<b>FPS at max. resolution</b>	30FPS
<b>Max.IR distance</b>	10M
<b>Compression</b>	H.264 Main / High Profile, Motion JPEG
<b>Streams</b>	4
<b>Sense Up +</b>	Supported
<b>3D noise reduction</b>	Supported
<b>HDR</b>	-
<b>2D WDR</b>	Supported
<b>IVS Basic</b>	Motion detection, tampering detection, audio detection, alarm detection, network detection, vandal button, door station, door station advance, push service setting
<b>IVS Advanced (optional)</b>	-
<b>Privacy masking</b>	4 zones
<b>Digital I/O</b>	2/1
<b>IP / vandal rating</b>	IP55(panel) / -
<b>Operating temperature</b>	-40°C ~ +55°C (-40°F ~ 131°F)
<b>Power supply</b>	DC12V, PoE
<b>Power consumption</b>	DC12V, 10.5W PoE, 12W
<b>Mobile phone</b>	iOS, Android
<b>Audio capability</b>	2-way
<b>ONVIF</b>	Profile S
<b>Lens options</b>	-
<b>Others</b>	Digital PTZ, LDC supported, PIR and SIP supported, Micro SD/SDHC/SDXC card, White LED, Light sensor, Built-in microphone/speaker, RS-485 supported





## PTZ Series IP Camera

<b>Model</b>	<b>PSR5024EX30</b>	<b>PSR5024EX20</b>
<b>Resolution</b>	1080P (D & N)	1080P (D & N)
<b>Lens zoom ratio</b>	30X Optical	20X Optical
<b>Focal Length</b>	4.3 mm – 129 mm	4.7 mm – 89 mm
<b>Pick up element</b>	1/2.8" CMOS Sensor	1/2.8" CMOS Sensor
<b>Effective pixels</b>	1944 × 1224	1944 × 1224
<b>Min. illumination</b>	Color : 0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) Mono : 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON) Color DSS: 0.1 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) Mono DSS: 0.01 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON) IR On : 0 Lux	Color : 0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) Mono : 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON) Color DSS: 0.1 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) Mono DSS: 0.01 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON) IR On : 0 Lux
<b>Iris range</b>	F1.6 – 32 , Close	F1.6 – 32 , Close
<b>FPS at max. resolution</b>	60FPS	60FPS
<b>Max. IR distance</b>	150M	150M
<b>Compression</b>	H.264 Main and High Profile, Motion JPEG	H.264 Main and High Profile, Motion JPEG
<b>Digital zoom ratio</b>	16X	16X
<b>Sense Up</b>	Supported	Supported
<b>Electronic shutter speed</b>	Supported	Supported
<b>Digital noise reduction</b>	Supported	Supported
<b>Wide dynamic range</b>	Supported (90dB)	Supported (90dB)
<b>Back light compensation</b>	Supported	Supported
<b>Night vision enhancement</b>	-	-
<b>Defog</b>	Supported	Supported
<b>Electronic Image Stabilization</b>	Supported	Supported
<b>Privacy masking</b>	16 zones	16 zones
<b>Preset</b>	256	256
<b>Alarm I/O</b>	4/2	4/2
<b>Schedule setting</b>	Supported	Supported
<b>IP / vandal rating</b>	IP66 / IK10	IP66 / IK10
<b>Operating temperature</b>	-40°C ~ +50°C (-40°F ~ 122°F )	-40°C ~ +50°C (-40°F ~ 122°F )
<b>Power supply</b>	AC24V / DC24V PoE++(IEEE 802.3at)	AC24V / DC24V PoE++(IEEE 802.3at)
<b>Power consumption</b>	AC/DC24V Max. 80 W PoE++ (60W) Max. 55 W	AC/DC24V Max. 80 W PoE++ (60W) Max. 55 W
<b>Mobile phone</b>	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way
<b>Micro SD/SDHC card</b>	Y	Y
<b>ONVIF</b>	Profile S	Profile S

## PTZ Series IP Camera

				
Model	PSD4624EX30	PSD4624EX20	PZD6422EX3	IPS4304EA IPS4308EA
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens zoom ratio	30X Optical	20X Optical	3X Optical	30 X Optical
Focal Length	4.3mm – 129mm	4.3mm – 86mm	3.35 mm – 10.05 mm	4.3mm – 129.0mm
Pick up element	1/2.8" Type CMOS	1/2.8" Type CMOS	1/2.7" CMOS Sensor	1/2.8" Type CMOS
Effective pixels	1944 × 1224	1944 × 1224	1928 x 1088	1944 × 1224
Min. illumination	ICR-OFF Color mode 0.5 Lux / 1/30 sec, F1.6(Wide) ICR-ON B/W mode 0.1 Lux / 1/30 sec, F1.6(Wide) ICR-OFF Color mode 0.2 Lux / 1/8 sec, F1.6(Wide) ICR-ON B/W mode 0.008 Lux / 1/8 sec, F1.6(Wide)	ICR-OFF Color mode 0.5 Lux / 1/30 sec, F1.6(Wide) ICR-ON B/W mode 0.1 Lux / 1/30 sec, F1.6(Wide) ICR-OFF Color mode 0.2 Lux / 1/8 sec, F1.6(Wide) ICR-ON B/W mode 0.01 Lux / 1/8 sec, F1.6(Wide)	0.1 lux, (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) 0.05 lux, (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF)	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.2 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.01 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode)
Iris range	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.7 – F3.0 Close	F1.6 – 32, close
FPS at max. resolution	60FPS	60FPS	30 FPS	30FPS
Max. IR distance	-	-	-	-
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Digital zoom ratio	16X	16X	-	16X
Sense Up	Supported	Supported	Supported	Supported
Electronic shutter speed	Supported	Supported	Supported	Supported
Digital noise reduction	Supported	Supported	Supported	Supported
Wide dynamic range	Supported (90dB)	Supported (90dB)	Supported (100dB)	Supported
Back light compensation	Supported	Supported	Supported	Supported
Night vision enhancement	-	-	-	-
Defog	Supported	Supported	-	Supported
Electronic Image Stabilization	Supported	Supported	-	Supported
Privacy masking	16 zones	16 zones	-	16 zones
Preset	256	256	256	128
Alarm I/O	4/2	4/2	1/1	6/2
Schedule setting	Supported	Supported	Supported	Supported
IP / vandal rating	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10
Operating temperature	-40°C – +50°C ( 14°F – 122°F ) -	-40°C – +50°C ( 14°F – 122°F ) -	-10°C – + 50°C ( 14°F – 122°F ) -	-40°C – +50°C (-40°F – 122°F) / AC -10°C – + 50°C (14°F – 122°F) POE +
Power supply	AC24V / DC24V PoE+ (IEEE 802.3at)	AC24V / DC24V PoE+ (IEEE 802.3at)	DV12V PoE (IEEE 802.3af)	AC24V / AC100 – 240V PoE+ (IEEE 802.3at)
Power consumption	AC24V, 30 W, PoE+, 55W(Heater ON)	AC24V, 30 W, PoE+, 55W(Heater ON)	DV12V, 6 W PoE, 7.5 W	AC24V, 37W (with Heater) AC100 – 240V, 48W(with Heater),PoE+, 14W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	2-way	2-way	-	2-way
Micro SD/SDHC card	Supported	Supported	Supported	Supported
ONVIF	Profile S	Profile S	Profile S	Profile S

**PTZ Series IP Camera**

				
<b>Model</b>	<b>IPS4204EA IPS4208EA</b>	<b>IPS5300EA</b>	<b>IPS5304A IPS5308A</b>	<b>IPS5200EA</b>
<b>Resolution</b>	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
<b>Lens zoom ratio</b>	20X Optical	30 X Optical	30 X Optical	20X Optical
<b>Focal Length</b>	4.7mm – 94mm	4.3mm – 129.0mm	4.3mm – 129.0mm	4.7mm – 94mm
<b>Pick up element</b>	1/2.8" Type CMOS	1/2.8" Type CMOS	1/2.8" Type CMOS	1/2.8" Type CMOS
<b>Effective pixels</b>	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224
<b>Min. illumination</b>	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.2 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.01 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode)	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.2 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.01 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode)	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.2 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.01 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode)	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.2 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.01 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode)
<b>Iris range</b>	F1.6 – 32, close	F1.6 – 32, close	F1.6 – 32, close	F1.6 – 32, close
<b>FPS at max. resolution</b>	30FPS	30FPS	30FPS	30FPS
<b>Max. IR distance</b>	-	-	-	-
<b>Compression</b>	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
<b>Digital zoom ratio</b>	16X	16X	16X	16X
<b>Sense Up</b>	Supported	Supported	Supported	Supported
<b>Electronic shutter speed</b>	Supported	Supported	Supported	Supported
<b>Digital noise reduction</b>	Supported	Supported	Supported	Supported
<b>Wide dynamic range</b>	Supported	Supported	Supported	Supported
<b>Back light compensation</b>	Supported	Supported	Supported	Supported
<b>Night vision enhancement</b>	-	-	-	-
<b>Defog</b>	Supported	Supported	Supported	Supported
<b>Electronic Image Stabilization</b>	Supported	Supported	Supported	Supported
<b>Privacy masking</b>	16 zones	16 zones	16 zones	16 zones
<b>Preset</b>	128	128	128	128
<b>Alarm I/O</b>	6/2	6/2	6/2	6/2
<b>Schedule setting</b>	Supported	Supported	Supported	Supported
<b>IP / vandal rating</b>	IP66 / IK10	- / -	- / -	- / -
<b>Operating temperature</b>	- 40°C – + 50°C ( -40°F – 122°F ) / AC -10°C – + 50°C ( 14°F – 122°F ) / PoE+	-10°C – + 50°C ( 14°F – 122°F )	-10°C – + 50°C ( 14°F – 122°F )	-10°C – + 50°C ( 14°F – 122°F )
<b>Power supply</b>	AC24V / AC100 – 240V PoE+ (IEEE 802.3at)	PoE+ (IEEE 802.3at)	AC24V / AC100 – 240V	PoE+ (IEEE 802.3at)
<b>Power consumption</b>	AC24V, 37W (with Heater) AC100 – 240V, 48W (with Heater), PoE+, 14W	PoE+, 14W	AC24V, 15.5W AC100 – 240V, 16W	PoE+, 14W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way	2-way	2-way
<b>Micro SD/SDHC/SDXC card</b>	Supported	Supported	Supported	Supported
<b>ONVIF</b>	Profile S	Profile S	Profile S	Profile S

## PTZ Series IP Camera

PTZ Series IP Camera

			
<b>Model</b>	<b>IPS5204A IPS5208A</b>	<b>IPS3102E</b>	<b>IPS2102E</b>
<b>Resolution</b>	1080P (D & N)	1080P (D & N)	1080P (D & N)
<b>Lens zoom ratio</b>	20X Optical	10X Optical	10X Optical
<b>Focal Length</b>	4.7mm – 94mm	4.9 mm – 49 mm	4.9 mm – 49 mm
<b>Pick up element</b>	1/2.8" Type CMOS	1/3" MOS Sensor	1/3" MOS Sensor
<b>Effective pixels</b>	1944 × 1224	1944 x 1092	1944 x 1092
<b>Min. illumination</b>	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.2 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.01 lux (1/ 8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode)	Color : 0.5 Lux at F1.8 Mono : 0.1 Lux at F1.8	Color : 0.5 Lux at F1.8 Mono : 0 Lux (IR ON)
<b>Iris range</b>	F1.6 – 32, close	F1.8 – F16, close	F1.8 – F16, close
<b>FPS at max. resolution</b>	30FPS	30FPS	30FPS
<b>Max. IR distance</b>	-	-	16M
<b>Compression</b>	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
<b>Digital zoom ratio</b>	16X	64X	64X
<b>Sense Up</b>	Supported	Supported	Supported
<b>Electronic shutter speed</b>	Supported	Supported	Supported
<b>Digital noise reduction</b>	Supported	Supported	Supported
<b>Wide dynamic range</b>	Supported	Supported	Supported
<b>Back light compensation</b>	Supported	Supported	Supported
<b>Night vision enhancement</b>	-	-	-
<b>Defog</b>	Supported	-	-
<b>Electronic Image Stabilization</b>	Supported	-	-
<b>Privacy masking</b>	16 zones	8 zones	8 zones
<b>Preset</b>	128	128	128
<b>Alarm I/O</b>	6/2	-	-
<b>Schedule setting</b>	Supported	Supported	Supported
<b>IP / vandal rating</b>	- / -	- / -	- / -
<b>Operating temperature</b>	-10°C – + 50°C ( 14°F – 122°F ) -	-10°C – + 50°C ( 14°F – 122°F ) -	-10°C – + 50°C ( 14°F – 122°F ) -
<b>Power supply</b>	AC24V / AC100 – 240V -	DC12V PoE+ (IEEE 802.3at)	DC12V PoE+ (IEEE 802.3at)
<b>Power consumption</b>	AC24V, 15.5W AC100 – 240V, 16W	DC12V, 11.5W PoE+, 13W	DC12V, 13W PoE+, 15.5W
<b>Mobile phone</b>	iOS, Android	iOS, Android	iOS, Android
<b>Audio capability</b>	2-way	2-way	2-way
<b>Micro SD/SDHC/SDXC card</b>	Supported	Supported	Supported
<b>ONVIF</b>	Profile S	Profile S	Profile S

**NVR Series**

<b>Model</b>	<b>NVR5832S</b>	<b>NVR5832</b>	<b>NVR3816</b>	<b>NVR3416R</b>
<b>Type</b>	4K	4K	1080P	1080P
<b>IP video input</b>	32CH	32CH	16CH	16CH
<b>Max Frame Rate</b>	960 FPS	960 FPS	480 FPS	480 FPS
<b>Max network throughput</b>	300Mbps ( RAID 160Mbps )	300Mbps	96Mbps	96Mbps
<b>HDD disk</b>	8 × 3.5"Swap drive bay ( HDD up to 8TB supported )	8 × 3.5"HDD ( Up to 8TB supported )	8 × 3.5"HDD ( Up to 8TB supported )	4 × 3.5"HDD ( Up to 8TB supported )
<b>External storage</b>	eSATA connector × 2 ( Up to 32TB external storage supported, each 16TB )	eSATA connector × 2 ( Up to 32TB external storage supported, each 16TB )	eSATA connector × 2 ( Up to 32TB external storage supported, each 16TB )	eSATA connector × 1 ( Up to 16TB external storage supported )
<b>Resolution</b>	4K/ 5M/ 4M/ 3M/ 1080P/ 1.3M/ 1M/ 960H/ D1/ VGA/ CIF	4K/5M/ 4M/ 3M/ 1080P/ 1.3M/ 1M/ 960H/ D1/ VGA/ CIF	5M/ 4M/ 3M/ 1080P/ 1.3M/ 1M/ 960H/ D1/ VGA/ CIF	5M/ 4M/ 3M/ 1080P/ 1.3M/ 1M/ 960H/ D1/ VGA/ CIF
<b>Backup</b>	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places
<b>HDMI output</b>	4K	4K	1920 x1080P	1920 x1080P
<b>Alarm/event</b>	DI x 16 / DO x 4	DI x 16 / DO x 4	DI x 16 / DO x 4	DI x 2 / DO x 2 (NO/NC)
<b>Remote controller</b>	Up to 255 NVRs	Up to 255 NVRs	Up to 255 NVRs	Up to 255 NVRs
<b>Protocol</b>	TCP/IP / ARP / UDP / HTTP /HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP/RTCP / RTSP / SDDP / ONVIF Profile S	TCP/IP / ARP / UDP / HTTP /HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP/RTCP / RTSP / SDDP / ONVIF Profile S	TCP/IP / ARP / UDP / HTTP /HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP/RTCP / RTSP / SDDP / ONVIF Profile S	TCP/IP / ARP / UDP / HTTP /HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP/RTCP / RTSP / SDDP / ONVIF Profile S
<b>Keyboard</b>	PIH-931D ( Connector Box Required )	PIH-931D ( Connector Box Required )	PIH-931D	PIH-931D
<b>Audio out</b>	RCA x 1	RCA x 1	RCA x 1	RCA x 1
<b>Web access</b>	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log
<b>Mobile phone</b>	iOS / Android	iOS / Android	iOS / Android	iOS / Android
<b>Multi-language</b>	Arabic, Chinese( Traditional ), Chinese( Simplified ), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish	Arabic, Chinese( Traditional ), Chinese( Simplified ), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish	Arabic, Chinese( Traditional ), Chinese( Simplified ), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish	Arabic, Chinese( Traditional ), Chinese( Simplified ), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish
<b>Operating temperature</b>	Temp: 0°C – +45°C Humidity: 5% – 80%	Temp: 0°C – +45°C Humidity: 5% – 80%	Temp: 0°C – +45°C Humidity: 5% – 80%	Temp: 0°C – +45°C Humidity: 5% – 80%
<b>Power supply</b>	AC 100 – 240V 60 – 50HZ 6.3A	AC 100 – 240V 60 – 50HZ 6.3A	DC 12V/ 10A; 120W x 1 DC 12V/ 10A; 120W x 2 (Optional)	DC 12V/ 5A; 60W x 1
<b>Others</b>	RAID 0/1/5/6 supported WS-Discovery Network redundancy 19" 2U rack mountable Serial meta data record Chrome, Edge, Firefox, IE, Opera, Safari, P2P supported	WS-Discovery Network redundancy 19" 2U rack mountable Serial meta data record Chrome, Edge, Firefox, IE, Opera, Safari, P2P supported	WS-Discovery Network redundancy Dual redundant Power supply 19" 2U rack mountable Serial meta data record Chrome, Edge, Firefox, IE, Opera, Safari, P2P supported	WS-Discovery Network redundancy 19" 1U rack mountable Serial meta data record Chrome, Edge, Firefox, IE, Opera, Safari, P2P supported

## NVR Series

NVR Series

<b>Model</b>	<b>NVR3416</b>	<b>NVR3216</b>	<b>NVR2400</b>	<b>NVR1400</b>
<b>Type</b>	1080P	1080P	1080P	1080P
<b>IP video input</b>	16CH	16CH	16CH	16CH
<b>Max Frame Rate</b>	480 FPS	480 FPS	400FPS	400 FPS
<b>Max network throughput</b>	96Mbps	96Mbps	48 Mbps	48 Mbps
<b>HDD disk</b>	4 × 3.5"HDD ( Up to 8TB supported )	2 × 3.5"HDD ( Up to 8TB supported )	8 × 3.5" HDD ( Up to 6TB supported )	4 × 3.5" HDD (Up to 6TB supported)
<b>External storage</b>	-	-	eSATA connector × 2, up to 32TB external storage supported( each 16TB )	eSATA connector × 1, up to 16TB external storage supported
<b>Resolution</b>	5M/ 4M/ 3M/ 1080P/ 1.3M/ 1M/ 960H/ D1/ VGA/ CIF	5M/ 4M/ 3M/ 1080P/ 1.3M/ 1M/ 960H/ D1/ VGA/ CIF	3M/ 1080P/ 1.3M/ 1M/ 960H/ D1/ VGA/ CIF	3M/ 1080P/ 1.3M/ 1M/ 960H/ D1/ VGA/ CIF
<b>Backup</b>	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places
<b>HDMI output</b>	1920 x1080P	1920 x1080P	1920 x1080P	1920 x1080P
<b>Alarm/event</b>	DI x 2 / DO x 2 (NO/NC)	DI x 4 / DO x 1	DI x 2 / DO x 2 (NO/NC)	DI x 2 / DO x 2 (NO/NC)
<b>Remote controller</b>	Up to 255 NVRs	Up to 255 NVRs	Up to 255 NVRs	Up to 255 NVRs
<b>Protocol</b>	TCP/IP / ARP / UDP / HTTP / HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP/RTCP / RTSP / SDDP / ONVIF Profile S	TCP/IP / ARP / UDP / HTTP / HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP/RTCP / RTSP / SDDP / ONVIF Profile S	TCP/IP / ARP / UDP / HTTP / HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP / RTCP / RTSP / SDDP / ONVIF Profile S	TCP/IP / ARP / UDP / HTTP / HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP/RTCP / RTSP / SDDP / ONVIF Profile S
<b>Keyboard</b>	-	-	PIH-931D	PIH-931D
<b>Audio out</b>	RCA x 1	RCA x 1	RCA x 1	RCA x 1
<b>Web access</b>	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log
<b>Mobile phone</b>	iOS / Android	iOS / Android	iOS / Android	iOS / Android
<b>Multi-language</b>	Arabic, Chinese( Traditional ), Chinese( Simplified ), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish		Arabic, Chinese( Traditional ), Chinese( Simplified ), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish	
<b>Operating temperature</b>	Temp: 0°C – +45°C Humidity: 5% – 80%	Temp: 0°C – +45°C Humidity: 5% – 80%	Temp: 0°C – +45°C Humidity: 0% – 80%	Temp: 0°C – +45°C Humidity: 0% – 80%
<b>Power supply</b>	DC 12V, 5A, 60W × 1	DC 12V, 5A, 60W × 1	DC 12V/ 10A; 120W x 1 DC 12V/ 10A; 120W x 2 (Optional)	DC 12V/ 7A; 80W x 1 DC 12V/ 7A; 80W x 2 (Optional)
<b>Others</b>	WS-Discovery Serial meta data record Chrome, Edge, Firefox, IE, Opera, Safari, P2P supported	WS-Discovery Serial meta data record Chrome, Edge, Firefox, IE, Opera, Safari, P2P supported	WS-Discovery Network redundancy Dual redundant Power supply RAID 0/1/5 19" 2U rack mountable Serial meta data record P2P supported	WS-Discovery Network redundancy Dual redundant Power supply RAID 0/1/5 19" rack mountable Serial meta data record P2P supported



**NVR Series**

<b>Model</b>	<b>NVR400L</b>	<b>NVR200L</b>	<b>NVR100L</b>	<b>NVR408M</b>	<b>NVR404C</b>
<b>Type</b>	1080P	1080P	1080P	1080P	1080P
<b>IP video input</b>	16CH	16CH	16CH	9CH	16CH
<b>Max Frame Rate</b>	400FPS, 60 FPS/ CH(Max)	200FPS, 60 FPS/ CH(Max)	100FPS, 60 FPS/ CH(Max)	225FPS	400FPS, 25 FPS/ CH(Max)
<b>Max network throughput</b>	48Mbps	40Mbps	32Mbps	45 Mbps	48 Mbps
<b>HDD disk</b>	4 × 3.5" HDD ( Up to 6TB supported )	2 × 3.5" HDD ( Up to 6TB supported )	2 × 3.5" HDD ( Up to 6TB supported )	2.5" SATA x 1(or SSD HDD)	2.5" SATA x 1 (or SSD HDD)
<b>External storage</b>	-	-	-	-	-
<b>Resolution</b>	3M/ 1080P/ 1.3M/ 1M/ 960H / D1 / VGA / CIF	3M/ 1080P/ 1.3M/ 1M/ 960H / D1 / VGA / CIF	3M/ 1080P/ 1.3M/ 1M/ 960H / D1 / VGA / CIF	1080P/ 1.3M/ 1M/ 960H / D1 / VGA / CIF	3M/ 1080P/ 1.3M/ 1M/ 960H / D1 / VGA / CIF
<b>Backup</b>	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places	USB flash disk / external USB DVD RW / HTTP / FTP / Network Places
<b>HDMI output</b>	1920 x1080P	1920 x1080P	1920 x1080P	1920 x1080P	1920 x1080P
<b>Alarm/event</b>	DI × 2 and DO × 2 (NO/NC)	-	-	DI x 2 / DOx 2 (NO/NC)	DI x 2 / DOx 2 (NO/NC)
<b>Remote controller</b>	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs	Up to 255 NVRs	Up to 255 NVRs
<b>Protocol</b>	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTCP / RTSP / DHCP/ SDDP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTCP / RTSP / DHCP/ SDDP	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTCP / RTSP / DHCP/ SDDP	TCP/IP / ARP / UDP / HTTP / HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP/RTCP / RTSP / SDDP / ONVIF Profile S	TCP/IP / ARP / UDP / HTTP / HTTPS / SMTP / FTP / DHCP / DNS / DDNS / NTP / RTP / RTCP / RTSP / SDDP / ONVIF Profile S
<b>Keyboard</b>	-	-	-	-	PIH-931D
<b>Audio out</b>	RCA x 1	RCA x 1	RCA x 1	RCA x 1	RCA x 1
<b>Web access</b>	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log
<b>Mobile phone</b>	iOS / Android	iOS / Android	iOS / Android	iOS / Android	iOS / Android
<b>Multi-language</b>	English, Traditional Chinese, German, Italian, Portuguese, Spanish, French, Turkish , Hungarian, Polish, Russian, Arabic, Japanese, Korean, Simplified Chinese			English, Traditional Chinese, French, German, Hungarian, Polish, Italian, Portuguese, Arabic, Russian, Turkish, Spanish, , Japanese, Korean, Simplified Chinese	
<b>Operating temperature</b>	Temp : 0°C – 45°C Humidity : 5% – 80%	Temp : 0°C – 45°C Humidity : 5% – 80%	Temp : 0°C – 45°C Humidity : 5% – 80%	Temp: -20°C – +60°C Humidity: 0% – 80%	Temp: 0°C – +45°C Humidity: 0% – 80%
<b>Power supply</b>	DC 12V, 7A, 80W	DC 12V, 5A, 60W	DC 12V, 5A, 60W	DC 9 – 34V Over voltage protect	DC 12V/ 5A; 50W
<b>Others</b>	WS-Discovery. S.M.A.R.T monitoring External USB GPS time sync P2P supported	WS-Discovery. S.M.A.R.T monitoring External USB GPS time sync P2P supported	WS-Discovery. S.M.A.R.T monitoring External USB GPS time sync P2P supported	WS-Discovery Swappable SATA HDD M12 connector EN50155 certification GPS communications Serial meta data record	WS-Discovery Compact size Serial meta data record P2P supported

Video Decoder		
<b>Model</b>	<b>VD022</b>	
<b>Type</b>	1080P	
<b>IP video supports</b>	Video inputs	16CH( IP camera or NVR/DVR )
	Network throughput	36Mbps
	Resolution	1080P/ 1.3M/ 1M/ 960H / D1 / VGA / CIF
<b>Matrix</b>	Video input	IP camera recall / NVR or DVR recall / virtual matrix
	Remote playback	Yes
<b>Alarm</b>	Alarm mode	Remote IP camera's or NVR's external alarm / motion detection
<b>Video output</b>	HDMI output	1920 x 1080P
	Backlight saving	LCD backlight saving mode
	Multi-touch	USB multi-touch screen
<b>Multiplexer</b>	Multiplexer	Freeze
	Split screen	1, 4 ,9 ,16
	Digital zoom	64x on live and NVR playback
<b>Accessories</b>	Remote controller	Supported
	Ptz protocol	LILIN MLP1/2 over HTTP
	Keyboards	PIH-931D keyboard
	Audio out	RCA x 1
<b>Network</b>	Protocols	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / RTSP / RTCP / ONVIF Profile S
	Web	Live / event log
<b>Others</b>	Multilanguage	English / Traditional Chinese / German / Italian / Portuguese / Spanish / French / Turkish / Hungarian / Polish / Russian / Arabic / Simplified Chinese
<b>Power</b>	Power	DC12V/ 1.5A ,18W
	Working environment	Temp: 0°C - +50°C / Humidity: 0% - 80%

NAV Control Center Management Server	
<b>Model</b>	<b>NCS3600</b>
<b>Network video support</b>	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server
<b>CPU</b>	Intel i5 Series
<b>Remote NAV management</b>	Management up to 4096 NAV Corporate servers
<b>User management</b>	Managing 512 user groups, each group contains 1000 users
<b>Network camera management</b>	LILIN IP camera, LILIN IP speed dome, LIIN DVR/NVR, Navigator Software live server, up to 65000 devices
<b>Network video format</b>	H.264 / MJPEG
<b>Max network throughput</b>	Max. 500 Mbps download and 500 Mbps upload speed
<b>HDD support</b>	Built-in 3.5" SATA HDDx6/1 is occupied
<b>Mosaic TVWall</b>	Mosaic TVWall up to 1000 rooms, each room supports 144 monitors
<b>Maximum monitors supported</b>	Up to 144
<b>Video crossover</b>	Video crossover over 12 x 12 monitors
<b>Video sequence</b>	Video sequence for mosaic TVWall supported
<b>Playback search</b>	Date, time, event, POS SmartSearch, motion SmartSearch, license plate recognition
<b>Resolution</b>	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240
<b>Video speed</b>	Up to 8MP 30fps/5MP 12 fps/3MP 15 fps/1080p 120 fps
<b>Playback speed</b>	FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X / FF: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X
<b>Video input Support quantity</b>	Supported
<b>Digital zoom</b>	Yes, ePTZ supported
<b>Grouping</b>	User grouping authentication assignable for eMap, and Navigator
<b>Output</b>	HDMI x2 / max. 1080P (VGA port not support)
<b>Mosaic TVWall</b>	Display up to 36 channels
<b>Dual stream technology</b>	Multi-channel displays D1 and full screen displays 1080P/3M/5M/8M resolution
<b>Split screen</b>	1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, customizable
<b>Video archiving &amp; sync</b>	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card.
<b>Alarm management</b>	Alarm popup for full screen, PC sound, redirect IP Camera's digital output, eMail snapshots, redirect a PTZ preset recall
<b>Event</b>	Various alarm log including video loss, stop recording, schedule, logon, operation log
<b>Audio</b>	1-way
<b>Pos/barcode scanner</b>	RS-232 / PS-2
<b>Protocols</b>	ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE
<b>Mobile support</b>	iOS, Android
<b>Slim DVD-ROM</b>	-
<b>Language</b>	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Czech, Slovenian, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese
<b>Power supply</b>	250W Power Supplies 80 PLUS Bronze
<b>Dimensions</b>	438mm × 450mm × 88mm, standard U 19-inch design

Decoder  
 Video Decoder  
**NCC**  
 Management Server

**Navigator 2.0 VMS**

<b>Model</b>	NAV Lite	NAV Enterprise	NAV Corporate
<b>OS</b>	64-bits	64-bits	64-bits
<b>Recording</b>	Schedule / Alarm detection / Manual recording / Remote Trigger	Schedule / Alarm detection / Manual recording / Remote Trigger	Schedule / Alarm detection / Manual recording / Remote Trigger
<b>Record Channel Max</b>	Up to 36 channels	Up to 108 channels	Up to 108 channels
<b>Resolution</b>	Up to 4K 30FPS and 2MP at 120FPS	Up to 4K 30FPS and 2MP at 120FPS	Up to 4K 30FPS and 2MP at 120FPS
<b>Alarm recording</b>	Face detection, audio detection, tampering, motion, DI alarm detection	Face detection, audio detection, tampering, motion, DI alarm detection, ANPR detection (Options)	Face detection, audio detection, tampering, motion, DI alarm detection, ANPR detection (Options)
<b>ONVIF support</b>	-	Licensing	Licensing
<b>PTZ &amp; ePTZ</b>	Supported	Supported	Supported
<b>Live/playback/remote playback</b>	Live Streaming, Playback, Backup, AVI File Transcode	Live Streaming, Playback, Backup, AVI File Transcode	Live Streaming, Playback, Backup, AVI File Transcode
<b>Live Channel Max</b>	36	36	36
<b>Split screen</b>	4, 9, 16, 25, 36	4, 9, 16, 25, 36	4, 9, 16, 25, 36
<b>Search</b>	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), Record Tag	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), Record Tag	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), Record Tag
<b>Max of Streaming out</b>	Up to 100 channels	Up to 300 channels	Up to 300 channels
<b>POS, ATM, access control</b>	-	Supported	Supported
<b>eMap</b>	Supported	Supported	Supported
<b>Audio capability</b>	2-way	2-way	2-way
<b>Advanced alarm management</b>	-	4 options	4 options
<b>IP cam SD card or NVR file sync</b>	-	Supported	Supported
<b>ANPR Plug-in</b>	-	Optional	Optional
<b>2x2 TVWall &amp; decoder TV wall</b>	-	Supported	Supported
<b>Archiving &amp; failover</b>	-	Supported	Supported
<b>Edge IVS &amp; edge people counting</b>	-	Triple wire, face detection, people counting, audio detection, Zone Entering, Direction detection, and Zone crossing	Triple wire, face detection, people counting, audio detection, Zone Entering, Direction detection, and Zone crossing
<b>NVR P2P connection</b>	-	Supported	Supported
<b>NAV control center</b>	-	-	Supported

**Navigator 2.0 CMS**

<b>Model</b>	NAV Control Center	NAV Client
<b>OS</b>	64-bits	64-bits
<b>ONVIF support</b>	Supported (By NAV)	-
<b>PTZ &amp; ePTZ</b>	Supported	Supported
<b>Live/playback/remote playback</b>	Live Streaming, Playback, Backup, AVI File Transcode	Live Streaming, Playback, Backup, AVI File Transcode
<b>Channel Max</b>	144	144
<b>Split screen</b>	1 – 144 , User-defined	1 – 144 , User-defined
<b>Async playback for same camera</b>	Supported	Supported
<b>Sync playback from servers</b>	Supported	Supported
<b>POS, ATM, access control</b>	Supported	-
<b>eMap</b>	Supported	-
<b>Audio capability</b>	1-way	1-way
<b>Advanced alarm management</b>	Supported	-
<b>ANPR Plug-in</b>	Supported	-
<b>Edge IVS &amp; edge people counting</b>	Triple wire, face detection, people counting, audio detection, Zone Entering, Direction detection, and Zone crossing	-
<b>NVR P2P connection</b>	Supported (By NAV)	-
<b>Centralized user management</b>	Supported	-
<b>Centralized alarm management</b>	Supported	-
<b>Centralized device management</b>	Supported	Supported
<b>Mosaic TV wall</b>	Supported, 12 x 12	-





## ANPR Software ( Automatic Number Plate Recognition)

<b>Model</b>	ANPR-FL	
<b>Detection speed</b>	0.2 Second per frame(It depends on how complex live image is )	
<b>Detection interval</b>	Depending on CPU speed	
<b>Total number of recognition per day</b>	No limitation	
<b>Supported channel</b>	<b>Indoor</b>	Up to 1 channels/ each 4K channel at 0.5 FPS Up to 2 channels/ each 1080P channel at 3 FPS Up to 4 channels/ each D1 channel at 4 FPS
	<b>Outdoor</b>	Up to 1 channel/ each 4K channel at 0.25 FPS Up to 2 channels/ each 1080P channel at 1.5 FPS Up to 4 channels/ each D1 channel at 0.75 FPS
<b>Supported resolutions</b>	4K: 3840 * 2160/ Full HD: 1920 * 1080/ HD: 1280 * 768/ D1: 720 * 480/ VGA: 640 * 384/ CIF 320 * 240	
<b>Multiple lane recognition</b>	One channel can recognize up to 4 car plate number	
<b>Character size</b>	Minimum and maximum pixel height configurable	
<b>License plate character length</b>	Configurable	
<b>Detection area</b>	Configurable	
<b>White list</b>	White list plate recognized trigger I/O and plate text OSD recording	
<b>Black list</b>	Black list plate recognized trigger alarm and plate text OSD recording	
<b>Exclusion list</b>	Configurable	
<b>Character length</b>	Configurable	
<b>License key</b>	USB dongle included	
<b>Countries supported</b>	USA and Canada: state detectable / Australia: state detectable / China: province detectable / Europe: country detectable / Arabic: country detectable / Taiwan and other countries ( Note: Price may vary according to country)	
<b>Playback</b>	<b>Quick search</b>	Yes
	<b>Plate capture snapshot</b>	PIP and OSD text overlay
<b>Video input</b>	<b>Video source</b>	IP cameras / IP video encoder
<b>License plate identification alarm management</b>	<b>Alarm management on detection</b>	full screen alarm popup, PC sound alarm, trigger IP camera digital output, email snapshots, redirect a PTZ preset recall, LILIN Network I/O Box output, alarm snapshot
	<b>Alarm event actions</b>	Various alarm log, video loss, stop recording, schedule recording, logon, operation log
	<b>Digital output</b>	Controllable via IP cameras or LILIN Network I/O Box
	<b>Alarm recording</b>	Pre-alarm : 1 – 59 seconds and post-alarm: 1 sec – 59 minutes
<b>Database</b>	<b>Vehicle information</b>	Plate number state / province and list
<b>Back up</b>	AVI conversion and plate number OSD text overlay	
<b>System requirement</b>	<b>CPU requirement</b>	Intel® Core™ i3-7100 Processor (Intel® Core™ i5-7500 Processor or above recommended)
	<b>RAM requirement</b>	4GB DDR4 x 2 (8GB DDR4 x 2 or above recommended)
	<b>HDD requirement</b>	At least 40GB free size
<b>Remark</b>	One ANPR key support one country only	




## HOT SWAP RACK MOUNT SATA / SAS JBOD

<b>Model</b>	JBOD1024	
<b>Form Factor</b>	4U chassis	
<b>Processor Support</b>	N/A	
<b>Drive Bays</b>	JBOD Chassis	Up to 24 x 3.5" hot-swap HDD bays for JBOD solution Scale LILIN NAV1108 / NAV1072 server storage expansion capacity
<b>System Cooling</b>	Fans	3x 8cm hot-swap redundant PWM cooling fans 2x 8cm hot-swap exhaust fans & air shroud
<b>Operating Environment (System)</b>	Operating temperature Range	5°C – 35°C (41°F – 95°F)
	Non-Operating temperature Range	-40°C – 60°C (-40°F – 140°F)
<b>Front Panel</b>	Buttons	Power On/Off button System Reset Button Unit Identification (UID) button
	LEDs	1 Network Activity LEDs
<b>Power supply with Power Distributor</b>	920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C	
	AC Input	100-240 V, 50-60 Hz, 11-4.5 Amp
	DC Output	4 Amp @ +5V standby 75 Amp @ +12V
<b>Backplane</b>	SAS 12G single expander backplane, with LSI SAS3 expander, support 24x 3.5" SATA3/SAS2/SAS3 drives, with 4x mini-SAS HD connectors	
<b>Dimension (HxWxD)</b>	178x437x660mm	




**NAV Video Recorder**

				
<b>Model</b>	<b>NAV2036A</b>	<b>NAV2036F (Facial recognition)</b>	<b>NAV1072</b>	<b>NAV1108</b>
<b>Network video support</b>	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server			
<b>CPU</b>	Intel i5 Series	Intel i7 Series	Intel Xeon E5 Series	Intel Xeon E5 Series
<b>Network video input</b>	Up to 36 channels at 1080P/3M/4M/5M/8M	Up to 16 channels at 1080P/3M/4M/5M/8M (Up to 4CH support facial recognition)	Up to 72 channels at 1080P/3M/4M/5M/8M	Up to 108 channels at 1080P/3M/4M/5M/8M
<b>Network video format</b>	H.264 / MJPEG			
<b>Max Network throughput</b>	Max. 500 Mbps download and 500 Mbps upload speed			
<b>HDD support</b>	3.5" SATA HDD x 3, SSD OS System x 1	3.5" SATA HDD x 3, SSD OS System x 1	Hot-swap 3.5" SATA HDD x 16	Hot-swap 3.5" SATA HDD x 24
<b>Recording Schedule</b>	7 days x 24 hrs time table, recording mode configurable			
<b>Recording mode</b>	Alarm, motion, schedule, and manual			
<b>Recording speed</b>	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps, and ROI recording supported			
<b>Recording resolution</b>	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240			
<b>Alarm recording</b>	Face detection, audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (optional)			
<b>Playback Search</b>	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging			
<b>Resolution</b>	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240			
<b>Video speed</b>	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps			
<b>Playback speed</b>	FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X 32X FF: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X			
<b>Video input Support quantity</b>	Max. 36 channels	Max. 16 channels	Max. 72 channels	Max. 108 channels
<b>Digital zoom</b>	Yes, ePTZ supported			
<b>Grouping</b>	User grouping authentication assignable for eMap, and Navigator			
<b>Output</b>	HDMI x2 (max.1080P)	HDMI x1 (max. 4K) Display Port x1	HDMI x1 (max. 1080P) DVI x1	DVI-D x1, HDMI x1 / Display Port x1, (optional: Two graphic cards support up to 5 monitor outputs)
<b>Mosaic TVWall</b>	Display up to 36 channels	Display up to 16 channels	Display up to 36 channels	Display up to 36 channels
<b>Dual stream technology</b>	Multi-channel displays D1 and full screen displays 1080P/3M/4M/5M/8M resolution			
<b>Split screen</b>	4, 9, 16, 25, 36	4, 9, 16	4, 9, 16, 25, 36	4, 9, 16, 25, 36
<b>Video archiving &amp; sync</b>	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card			
<b>Alarm management</b>	Alarm popup for full screen, PC sound, redirect IP Camera's digital output, eMail snapshots, redirect a PTZ preset recall			
<b>Alarm recording</b>	Pre-alarm:1 – 10 seconds and post-alarm: 1 sec – 59 minutes			
<b>Event</b>	Various alarm log including video loss, stop recording, schedule, logon, operation log			
<b>Keyboard</b>	PIH-931D keyboard controllable via RS-485 for PTZ, ePTZ, and ROI features			
<b>Audio</b>	PCM Two-way audio, audio recording			
<b>Pos/barcode scanner</b>	PS/2		RS-232 / PS-2	RS-232 / PS-2
<b>Protocols</b>	ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF			
<b>Slim DVD-ROM</b>			x1	
<b>Raid mode</b>	Intel System built-in, RAID 0, 1, 5		LSI Hardware, RAID 0, 1, 5, 6, 10, 50, 60	
<b>Language</b>	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Czech, Slovenian, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese			
<b>Power supply</b>	450W power supply		500W high-efficiency AC Input: 100-240 V, 50-60 Hz, 6.1-2.6 Amp, Redundant power supplies	920W high-efficiency (94%+) AC Input 100-240 V, 50-60 Hz, 11-4.5 Amp, Redundant power supplies
<b>Dimension (HxWxD)</b>	438 x 450 x 88 mm		132 x 437 x 650mm	178 x 437 x 660mm




## NAV Video Recorder

	 <b>New</b>	 <b>New</b>	 <b>New</b>
<b>Model</b>	<b>NAV08036A</b>	<b>NAV08072A</b>	<b>NAV08108A</b>
<b>Network video support</b>	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server		
<b>CPU</b>	Intel i3 Series	Intel i5 Series	Intel i7 Series
<b>Network video input</b>	Up to 36 channels at 1080P/3M/4M/5M/8M	Up to 72 channels at 1080P/3M/4M/5M/8M	Up to 108 channels at 1080P/3M/4M/5M/8M
<b>Network video format</b>	H.264 / MJPEG		
<b>Max Network throughput</b>	Upload: up to 500Mbps / Download: up to 500Mbps		
<b>HDD support</b>	Hot-swap 3.5" SATA HDDx 8		
<b>Recording Schedule</b>	7 days x 24 hrs time table, recording mode configurable		
<b>Recording mode</b>	Alarm, motion, schedule, and manual		
<b>Recording speed</b>	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps, and ROI recording supported		
<b>Recording resolution</b>	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240		
<b>Alarm recording</b>	Face detection, audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (optional)		
<b>Playback Search</b>	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging		
<b>Resolution</b>	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240		
<b>Video speed</b>	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps		
<b>Playback speed</b>	FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X 32X FF: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X, 32X		
<b>Video input Support quantity</b>	Max. 36 channels	Max. 72 channels	Max. 108 channels
<b>Digital zoom</b>	Yes, ePTZ supported		
<b>Grouping</b>	User grouping authentication assignable for eMap, and Navigator		
<b>Output</b>	1 x HDMI (4096 x 2160@24Hz), 1 x Display Port (4096 x 2304@60Hz)		
<b>Mosaic TVWall</b>	Display up to 36 channels		
<b>Dual stream technology</b>	Multi-channel displays D1 and full screen displays 1080P/3M/4M/5M/8M resolution		
<b>Split screen</b>	4, 9, 16, 25, 36		
<b>Video archiving &amp; sync</b>	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card		
<b>Alarm management</b>	Alarm popup for full screen, pc sound, redirect IP camera's digital output, email snapshots, redirect a PTZ preset recall		
<b>Alarm recording</b>	Pre-alarm: 1 - 10 seconds and post-alarm: 1 sec - 59 minutes		
<b>Event</b>	Various alarm log including video loss, stop recording, schedule, logon, operation log		
<b>Keyboard</b>	PIH-931D keyboard controllable via RS-485 for PTZ, ePTZ, and ROI features		
<b>Audio</b>	PCM Two-way audio, audio recording		
<b>POS</b>	PS/2		
<b>Protocols</b>	ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE		
<b>Mobile support</b>	LILINViewer, iOS, Android		
<b>Language</b>	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Czech, Slovenian, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese		
<b>Power consumption/ Power supply</b>	450W Power Supplies 80 PLUS Gold/ 110V~240V		
<b>Dimension (HxWxD)</b>	438mm x 450mm x 88mm		

## NAV Video Recorder

			
Model	NAV16036	NAV16072	NAV16108
Network video support	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server		
CPU	Intel i3 Series	Intel i5 Series	Intel i7 Series
Network video input	Up to 36 channels	Up to 72 channels	Up to 108 channels
Network video format	H.264 / MJPEG		
Max Network throughput	Max. 500 Mbps download and 500 Mbps upload speed		
HDD support	Hot-swap 3.5" SATA HDDx16		
Recording Schedule	7 days x 24 hrs time table, recording mode configurable		
Recording mode	Alarm, motion, schedule, and manual		
Recording speed	Max 8MP 30fps, 5MP 12 fps, 3MP 15 fps, 1080p at 120 fps, and ROI recording supported		
Recording resolution	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240		
Alarm recording	Face detection, audio detection, tamper, motion, DI alarm detection, and ANPR (optional)		
Other recording	Audio recording / Circular recording / Limited recording / Video archiving / Remote Network raid		
Playback Search	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging		
Resolution	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240		
Video speed	Up to 8MP 30fps/5MP 12 fps/3MP 15 fps/1080p 120 fps		
Playback speed	FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X / FF: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X		
Video input Support quantity	Max. 36 channels		
Digital zoom	Yes, ePTZ supported		
Grouping	User grouping authentication assignable for eMap, and Navigator		
Output	HDMI x2 / max. 3840 x 2160(4K) / DVI*1(DVI-I) (VGA port not support)		
Mosaic TVWall	Dual screen, max. 36 channels		
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P/3M/5M/8M resolution		
Split screen	4, 9, 16, 25, 36		
Video archiving & sync	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card.		
Alarm management	Alarm popup for full screen, PC sound, redirect IP Camera's digital output, eMail snapshots, redirect a PTZ preset recall		
Alarm recording	Pre-alarm: 1 – 10 seconds and post-alarm: 1 sec – 59 minutes		
Event	Various alarm log including video loss, stop recording, schedule, logon, operation log		
Keyboard	PIH-931D keyboard controllable via RS-485 for PTZ, ePTZ, and ROI features		
Audio	PCM Two-way audio, audio recording		
Pos/barcode scanner	RS-232 / PS-2		
Protocols	ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE		
Mobile support	iOS, Android		
Slim DVD-ROM	-		
Raid mode	LSI Hardware, RAID 0, 1, 5, 6, 10, 50, 60		
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Czech, Slovenian, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese		
Power supply	500W high-efficiency AC Input: 100-240 V, 50-60 Hz, 6.1-2.6 Amp, Redundant power supplies		

## NAV Video Recorder

			
Model	NAV24036	NAV24072	NAV24108
Network video support	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server		
CPU	Intel i3 Series	Intel i5 Series	Intel i7 Series
Network video input	Up to 36 channels	Up to 72 channels	Up to 108 channels
Network video format	H.264 / MJPEG		
Max Network throughput	Max. 500 Mbps download and 500 Mbps upload speed		
HDD support	Hot-swap 3.5" SATA HDDx24		
Recording Schedule	7 days x 24 hrs time table, recording mode configurable		
Recording mode	Alarm, motion, schedule, and manual		
Recording speed	Max 8MP 30fps, 5MP 12 fps, 3MP 15 fps, 1080p at 120 fps, and ROI recording supported		
Recording resolution	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240		
Alarm recording	Face detection, audio detection, tamper, motion, DI alarm detection, and ANPR (optional)		
Other recording	Audio recording / Circular recording / Limited recording / Video archiving / Remote Network raid		
Playback Search	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging		
Resolution	3840x2160, 2592x1944, 2048x1536, 1920x1080, 1280x1024, 1280x768, (720x480 / 720x576), 320x240		
Video speed	Up to 8MP 30fps/5MP 12 fps/3MP 15 fps/1080p 120 fps		
Playback speed	FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X / FF: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X		
Video input Support quantity	Max. 36 channels		
Digital zoom	Yes, ePTZ supported		
Grouping	User grouping authentication assignable for eMap, and Navigator		
Output	HDMI x2 / max. 3840 x 2160(4K) / DVI*1(DVI-I) (VGA port not support)		
Mosaic TVWall	Dual screen, max. 36 channels		
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P/3M/5M/8M resolution		
Split screen	4, 9, 16, 25, 36		
Video archiving & sync	Individual camera configurable, scheduling and instant archiving, sync recording data with NAV server/NVR/DVR/IP camera SD card.		
Alarm management	Alarm popup for full screen, PC sound, redirect IP Camera's digital output, eMail snapshots, redirect a PTZ preset recall		
Alarm recording	Pre-alarm: 1 – 10 seconds and post-alarm: 1 sec – 59 minutes		
Event	Various alarm log including video loss, stop recording, schedule, logon, operation log		
Keyboard	PIH-931D keyboard controllable via RS-485 for PTZ, ePTZ, and ROI features		
Audio	PCM Two-way audio, audio recording		
Pos/barcode scanner	RS-232 / PS-2		
Protocols	ARP / TCP/IP / HTTP / SMTP / DNS / PPPoE		
Mobile support	iOS, Android		
Slim DVD-ROM	-		
Raid mode	LSI Hardware, RAID 0, 1, 5, 6, 10, 50, 60		
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Czech, Slovenian, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese		
Power supply	920W high-efficiency (94%+) AC Input 100-240 V, 50-60 Hz, 11-4.5 Amp, Redundant power supplies		



## Brackets for Bullet Camera

Model		BTR04S		BTR01S		BTR06S		BTR03S		PIH-CPM	
Installation	Pendant (Ceiling)	Supported		Supported		Supported		Supported		-	
	Pole & Corner	-		-		-		-		Supported	
	Wall	-		-		-		-		-	
	Extension	-		-		-		-		-	
General	Narrative	Ceiling bracket for bullet cameras		Ceiling bracket for bullet cameras		Ceiling bracket for bullet cameras		Ceiling bracket for bullet cameras		Pole & Corner mounting bracket for bullet cameras	
	Applicable model	SR7424X SR7428X ZMR7742X ZMR7442X-P ZMR7722X ZMR7722X ZR7424X ZR7428X ZMR7422X-P	ZMR7422X2-P IPR7424X IPR7428X LR7224X IPR7722X LR7722X LR7424X LR7428X LR7022	IPR424X IPR428X LR7224X LR7228X	SR7424X SR7428X ZMR7742X ZMR7742X ZMR7742X-P ZMR7722X ZMR7722X ZR7424X ZR7428X LR7722X	ZMR7422X2-P IPR424X IPR428X IPR7424X IPR7428X IPR7722X LR7722X	LR7424X LR7428X LR7224X LR7228X	SR7022E IPR7722 LR7022	SR7424X SR7428X SR7022E ZMR7742X ZMR7442X2-P ZMR7722X ZMR7722X ZMR7422X-P LR7428X	IPR424X IPR428X IPR7424X IPR7428X IPR7722X LR7722X LR7424X LR7428X	LR7224X LR7228X LR7022

Accessory

## Brackets for Dome Camera

Model		PIH-76WMW (White) PIH-76WM (Silver)		BTS02S + PIH-76WMW		BTD04W		BTS02S + BTD04W				
Installation	Pendant (Ceiling)	-		-		-		-				
	Pole & Corner	-		Supported		-		Supported				
	Wall	Supported		-		Supported		-				
	Extension	-		-		-		-				
General	Narrative	Wall mount for dome & indoor PTZ cameras		Pole mount with wall mount for PTZs & domes		Wall mount for dome cameras		Pole mount with wall mount for for dome cameras				
	Applicable model	IPR6132X IPD6132X IPR6122X IPR320X LR6122X LR6022X	IPS5300EA IPS5304A IPS5308A IPS5200EA IPS5204A IPS5208A IPS3102E IPS2102E	IPR6132X IPD6132X IPR6122X IPR320X LR6122X LR6022X	IPS5300EA IPS5304A IPS5308A IPS5200EA IPS5204A IPS5208A IPS3102E IPS2102E	SR6422X SR2922X ZHR6482EX2 ZMR6542X ZMR6442AX-P ZMR6522X ZMR6422AX-P IPR2522 IPR2122 IPD2122 MR6442X MR6442AX	MR2942X MR2942AX MR6342 MR6342A MR3042 MR3042A MR6542 MR6522 MR6522E2 MR652 LR632 LR652 LR312	MR2922X MR2922AX MR6322 MR6322A MR632 MR3022 MR3022A MR302 MR312 LR632 LR652 LR312	LR302 LR2522 LR2122 LD2122 PZD6422EX3	SR6422X SR2922X ZHR6482EX2 ZMR6542X ZMR6442AX-P ZMR6522X ZMR6422AX-P IPR2522 IPR2122 IPD2122 MR6442X MR6442AX	MR2942X MR2942AX MR6342 MR6342A MR3042 MR3042A MR6542 MR6522 MR6522E2 MR652 MR6422X MR6422AX	MR2922X MR2922AX MR6322 MR6322A MR632 MR3022 MR3022A MR302 MR312 LR632 LR652 LR312

**Brackets for Bullet Camera (for Box Camera)**

<b>Model</b>		<b>BTD01W</b>				<b>PIH-Z6W + BTD01W</b>				<b>BCR02W</b>		<b>BTD02W</b>		<b>PIH-500</b>	
<b>Installation</b>	<b>Pendant (Ceiling)</b>	Supported				Supported				Supported		Supported		Supported	
	<b>Pole &amp; Corner</b>	-				-				-		-		-	
	<b>Wall</b>	-				-				Supported		Supported		Supported	
	<b>Extension</b>	-				Supported				-		-		-	
	<b>Rack mount</b>	-				-				-		-		-	
<b>General</b>	<b>Narrative</b>	Wall mount for dome cameras				Pendant mount with dome mount kit				Wall & ceiling mounting bracket for bullet cameras		Wall & ceiling mounting bracket for bullet cameras		Wall & ceiling mounting bracket for box cameras	
	<b>Applicable model</b>	SR6422X SR2922X ZHR6482EX2 ZMR6542X ZMR6442AX-P ZMR6522X ZMR6422AX-P IPR2522 IPR2122 IPD2122 MR6442X	MR6442AX MR2942X MR2942AX MR6342 MR6342A MR3042 MR3042A MR6542 MR6522 MR6522E2 MR652	MR6422X MR2922X MR2922AX MR6322 MR6322A MR3022 MR3022A MR302 MR312	LR632 LR652 LR312 LR302 LR2522 LR2122 LD2122 PZD6422EX3	SR6422X SR2922X ZHR6482EX2 LR312 ZMR6442AX-P ZMR6522X ZMR6422AX-P IPR2522 IPR2122 IPD2122 MR6442X	MR6442AX MR2942X MR2942AX MR6342 MR6342A MR3042 MR3042A MR6542 MR6522 MR6522E2 MR652	MR6422X MR2922X MR2922AX MR6322 MR6322A MR3022 MR3022A MR302 MR312	LR632 LR652 LR312 LR302 LR2522 LR2122 LD2122 PZD6422EX3	SR8222 ZHR8182X ZMR8142X-P ZMR8142X2-P ZSR8122X ZMR8122X-P ZMR8122X2-P ZSR8122LPR	ZMR8422X MR8442X MR8342 MR8422X MR8322 MR8322 MR832 LR832	IPG1052 IPG1022X UHG1182 UFG1122 SG1122 ZG1232X MG1022 LB1022 SG1122LPR			

**Brackets for PTZ**

<b>Model</b>		<b>BTS03W</b>		<b>PIH520LBW</b>		<b>PIH520G</b>		<b>PIH520HBW</b>		<b>PIH-Z6 + PIH520HBW</b>		<b>510CPM + PIH520LBW</b>	
<b>Installation</b>	<b>Pendant (Ceiling)</b>	-		-		-		Supported		Supported		-	
	<b>Pole &amp; Corner</b>	-		-		-		-		-		Supported	
	<b>Wall</b>	Supported		Supported		-		-		-		-	
	<b>Extension</b>	-		-		-		-		Supported		-	
	<b>Swan neck</b>	-		-		Supported		-		-		-	
<b>General</b>	<b>Narrative</b>	PTZ wall mount		PTZ wall mount		Single pole top full swan neck bracket for PTZs		Ceiling mount		Pendant mount with PTZ mount kit		Pole mount with wall mount for PTZs	
	<b>Applicable model</b>	PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA IPS4208EA	PSR5024EX30 PSR5024EX20	PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA IPS4208EA	PSR5024EX30 PSR5024EX20	PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA IPS4208EA	PSR5024EX30 PSR5024EX20	PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA IPS4208EA	PSR5024EX30 PSR5024EX20	PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA IPS4208EA	PSR5024EX30 PSR5024EX20	PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204EA IPS4208EA	PSR5024EX30 PSR5024EX20

## Brackets for PTZ

Model		PIHCPM + BTS03W				PIH520LW				BTS06W				PIH-Z6W + BTS06W				PIH-Z6W + BTS06W				BTS02S + 76MMW						
Installation	Pendant (Ceiling)	-				-				Supported				Supported				Supported				-						
	Pole & Corner	Supported				-				-				-				-				Supported						
	Wall	-				Supported				-				-				-				-						
	Extension	-				-				-				Supported				Supported				-						
	Rackmount	-				-				-				-				-				-						
General	Narrative	Pole mount with wall mount for PTZs				PTZ wall mount bracket				Pendant mount				Pendant mount with PTZ mount kit				Pendant mount with PTZ mount kit				Pole mount with wall mount for indoor PTZs						
	Applicable model	PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA		IPS4208EA PSR5024EX30 PSR5024EX20		PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA		IPS4208EA PSR5024EX30 PSR5024EX20		PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA		IPS4208EA PSR5024EX30 PSR5024EX20		PSD4624EX30 PSD4624EX20 IPS4304E IPS4308E IPS4204E IPS4208E IPS4304EA IPS4308EA IPS4204EA		IPS4208EA PSR5024EX30 PSR5024EX20		IPS5204 IPS5208 IPS5204A IPS5208A IPS3102E IPS2102E				IPS5300E IPS5304 IPS5308 IPS5304A IPS5308A IPS5200E IPS5204 IPS5208 IPS5200EA IPS5204A		IPS5208A IPS3102E IPS2102E				

Accessory

## Infrared Illuminator

Model		IM05108		IM05308		IM05608			
Power input		AC100 – 240V							
Power consumption		42W							
Radiant distance		250m		200m		150m			
Infrared LED wave length		850nm							
Infrared LED		10°		30°		60°			
Infrared LED quantity		24 Units							
Infrared LED power on		Sensor suto control, adjustable control point							
IP / vandal rating		IP67 / -							
Mounting		Ceiling & wall							
Material		Aluminum & polycarbonate							
Dimensions		172(W)×242(H)×102.5(D) / Bracket: 165(W) ×192.5(H)×132(D)mm							
Operating temperature		-40°C – +50°C (-40°F – +122°F)							

## USB Microphone

Model		MIC01		MIC02		
Function	Power input	5V		-		
	Connector	-		Ø 3.5mm straight plug		
	Frequency response	30Hz-16kHz		-		
	S/N Ratio	> 67 dB		> 58dB		
	Operating temperature	-10 – 45°C		-20 – 80°C		
General	Dimensions	Base size : Ø80 × 13(H) mm Microphone size : Ø16 × 85(H) mm Max height : 25cm , Cable length : 110cm		Body : 15.5(L) ×25(W) × 19(H) mm Wire : 5M±5%		
	Operating temperature	-10 – 45°C		-20 – 80°C		
	Applicable	For NVR and NAV recorder (USB2.0)		For IP cameras with Line out		



## LILIN Product Codes – IP cameras

LILIN product codes can give you a clear overview of the specifications and applications of each model. Each number and character of the product code represents a certain aspect of the product.



<b>ZHR8182EX2</b>	
ZH	Camera series
R	Camera type
81	Form factor
8	Resolution level
2	Power supply
E	PoE
X2	Lens type

### IP cameras

Classification	Code	Explain
Camera series	IPC	Covert series (1080P @ 30fps)
	L	L series (1080P @ 15fps)
	IP	Pro series (5MP @ 12fps, 3MP @ 15fps, 1080P @ 30fps)
	F	Panorama series (fisheye lens)
	M	M series (1080P @ 30fps)
	Z	Z series - Auto Focus feature
	ZH	4K @ 30fps, Auto Focus feature
	ZS	1080P @ 60fps, Auto Focus feature
	ZMR	4M @ 20fps, 1080P @ 30fps, Auto Focus feature
	UH	4K Ultra High Definition
	UF	Ultra High Frame Rate(1080P @ 120fps)
	S	S series (1080P @ 60fps)

Classification	Code	Explain
Camera type	B/G	Box Camera
	D	Dome Camera
	R	IR Camera

Classification	Explain
Form factor	3,4,7,10,11,12,21,22,23,24,25,60,61,62,70,72,73,74,77....., In accordance with the cabinet exterior classification

Classification	Code	Explain
Resolution	1	720, 1.3MP
	2	2MP (1080P)
	3	3MP
	4	4MP
	5	5MP
	6	6MP
	8	8MP (4K)

Classification	Code	Explain
Power supply	1	AC100V
	2	DC12V
	3	AC230V
	4	AC24V
	6	DC12V / AC24V / Dual voltage
	7	AC117V
	8	AC100V – 240V
	Power sourcing	E

Classification	Code	Explain
Lens type	X3.6	3.3 – 12mm Varifocal lens
	X2.4	9 – 22mm Varifocal lens
	2	2.8 – 12mm Fixed lens
	4	4mm Fixed lens
	4.3	4.3mm Fixed lens
	6	6mm Fixed lens

3 or 60	4 or 72	7 or 70
10	11	12
21	22	05
63	80	82
23	24	25
61	62	73
74	77	31
64	81	83



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### **About Merit LILIN**

LILIN is a global IP video manufacturer with over 38 years of experience.

Throughout the years, the company has maintained its dedication to Creativity, Progress, and Excellence providing expertise in digital video with a strong focus on innovation moving forward.

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