



IP Product Selector

Ultra Low Light Camera Series



- Global Vision
- World-class Quality
- Multi-Industry Expert
- 40 Years of IP Video Surveillance Experience
- The Best Management System in Market

City Surveillance Solution Highlights

With strong low light capability, high shutter speed and other advanced features, LILIN P2 & Z2 series making it suitable for a variety of applications, chief among our traffic management and city surveillance. The removable IR-cut filter allows day and night operations even in the low lux condition, providing outstanding vision. Meanwhile, our smart IR is a unique feature which can effectively avoid overexposure for reflective plates.

LILIN P2 & Z2 is ruggedized and can capture clear images regardless of environmental conditions. It meets international IP67 standards allowing you to install cameras in environments subject to wind and rain. Its IK10-certified housing is designed to protect the camera from destructive behavior, also has a built-in rain repellent glass which increases visibility during rainy days and eliminates dust. It also comes with 3D noise reduction, which removes noise from a signal and suppresses noise in an image in low light conditions, thus ensuring the superior quality of video.

Z2 & P2 Series IP Camera

Traffic management, city surveillance and campuses can all benefit from using the Z2 & P2 camera. These markets have great demands for (1) remote auto focus, (2) super low lights for non-reflective number plates, (3) high speed shutter at 1/30000s, (4) H.265 for superior video quality, and (5) 5.3 to 130mm zoom lens, and the camera is equipped with all of them.



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 images at low light environments.

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).



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.



Series	Feature	Resolution							Basic IVS1.0	Basic IVS2.0	Advanced IVS2.1 (Optional)	Low light	Auto Focus	HDR	2D WDR	Industries
		12M	4K	5M	4M	3M	2M									
Z2 Series	60fps	-	-	-	-	-	√	√	-	-	-	√	√	√	√	Casinos, Banking & Finance, Factories, City surveillance, Sport...
	25fps	-	-	√	-	-	-	√	-	-	-	√	√	√	√	
Z3 Series	30fps	-	-	-	-	-	√	√	-	-	√	√	√	√	Casinos, Banking & Finance, Factories, City surveillance, Sport...	
Z5 Series	30fps	-	-	-	-	-	√	-	-	-	-	√	-	√	Casinos, Banking & Finance, Factories, City surveillance, Sport...	
	20fps	-	-	√	-	-	-	-	-	-	-	√	-	√		
P2 Series	60fps	-	-	-	-	-	√	√	-	-	√	-	√	√	Casinos, Banking & Finance, Factories, City surveillance, Sport...	
	25fps	-	-	√	-	-	-	√	-	-	√	-	√	√		
P3 Series	30fps	-	-	-	-	-	√	√	-	-	√	-	√	√	Casinos, Banking & Finance, Factories, City surveillance, Sport...	
P5 Series	30fps	-	-	-	-	-	√	-	-	-	-	-	-	√	Casinos, Banking & Finance, Factories, City surveillance, Sport...	
	20fps	-	-	√	-	-	-	-	-	-	-	-	-	√		
F2 Series	30fps	-	√	-	-	-	-	√	-	-	-	-	√	√	Casinos, Banking & Finance, Factories, City surveillance, Sport...	
	30fps	√	-	-	-	-	-	√	-	-	-	-	√	√		
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	-	√	-	-	-	√	√(2M)	√(4K)	-	-	-	√	√		
	20fps	-	-	-	√	-	-	√	-	-	-	√	√	√		
	15fps	-	-	-	-	√	-	√	-	-	-	√	-	√		
Pro Series	30fps	-	-	-	-	-	√	√	-	-	-	-	-	√	Retail, Education, Healthcare, Hotel & Restaurant, Commercial...	
	15fps	-	-	-	-	√	√	√	-	-	-	-	-	√		
	12fps	-	-	√	-	-	-	√	-	-	-	-	-	√		
M Series	30fps	-	-	-	-	-	√	√	-	-	-	-	√	√	Retail, Commercial, Hotel & Restaurants, Residential...	
	20fps	-	-	-	√	-	-	√	-	-	-	-	√	√		
LPR Series	60fps	-	-	-	-	-	√	-	√	√	-	-	√	√	Transportation, Parking Lot...	

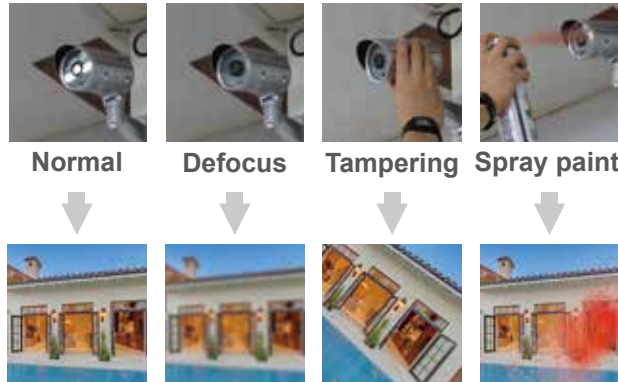
Motion Detection

Detecting a change in the position of an object relative to its surroundings or a change in the surroundings relative to an object.



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.



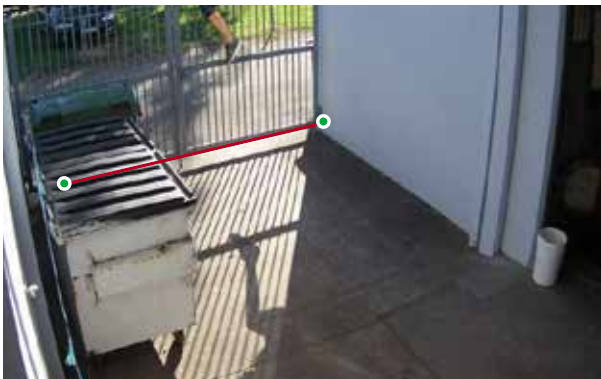
Traffic Light Detection

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



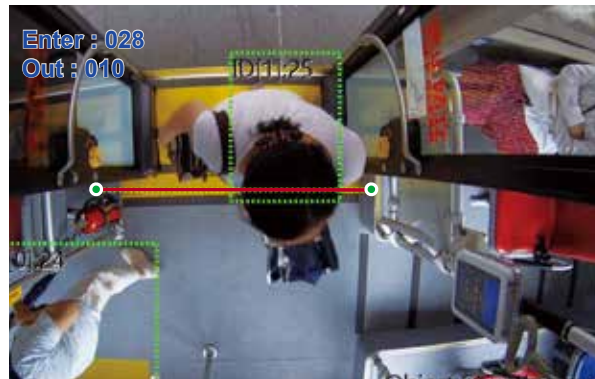
Tripwire Detection

Tripwire detection can be used as a virtual fence 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.



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.



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.



Missing Object Detection

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



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.



Facial Recognition

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



Other Features

Automatic Number Plate Recognition (ANPR)

LILIN provide a highly accurate system capable of reading vehicle number plates through the use of high-speed image capture with supporting illumination, detection of characters within the images provided, verification of the character sequences as being those from a vehicle license plate.

ANPR



3D Noise Reduction

Reduces 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. significantly enhance 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

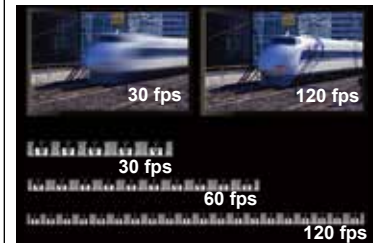


120 FPS Ultra High Frame Rate IP Camera







Videos recorded in 120 frame per second can be played in 4X slow motion without delay, 120fps cameras are capable of seizing every moment with detail-rich and crystal clear high resolution videos.

30 fps







120 fps



Z2 H.265 Series IP Camera






						
Model	Z2R8052EX25	Z2R8152X-P	Z2R8152X2-P	Z2R8852AX	Z2R6552X	Z2R6452AX-P
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	5.3 – 130 mm	2.8 – 12 mm	7.0 – 22 mm	2.8 – 8 mm	2.8 – 8 mm	2.8 – 12 mm
Aperture	F1.6(W) – F4.3(T)	F1.4 (W) – F2.8 (T)	F1.8(W) – F2.8(T)	F1.6	F1.6	F1.4 (W) – F2.8 (T)
Angle of view (H)	55.0° (W) – 2.3(T)	87° (W) – 30°(T)	31°(W) – 14°(T)	95.3° (W) – 51.8°(T)	95.3° (W) – 51.8°(T)	87° (W) – 30°(T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	2616 × 1964	2616 × 1964	2616 × 1964	2616 × 1964	2616 × 1964
Min. illumination	Color : 0.1 Lux at F1.6(W) B/W : 0.02 Lux at F1.6(W) ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.4 B/W : 0.005 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.8 B/W : 0.005 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.005 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.05 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.4 B/W : 0.005 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	25 FPS	25 FPS	25 FPS	25 FPS	25 FPS
Max. IR distance	100M (Wide:45m - Tele:130m)	40M	40M	30M	30M	30M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Streams	4	4	4	4	4	4
Sense up +	Supported	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported	Supported
HDR	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting					
IVS Advanced 2.0	-	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	1 / 1	- / -	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	IP67 / IK10	IP68 / IK10	IP68 / IK10	IP67 / -	IP67 / IK10	IP67 / 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)	-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 ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 12W / PoE+, 14W	DC12V, 12.5W / PoE+, 14.5W	DC12V, 12.5W / PoE+, 14.5W	DC12V, 7.1W / PoE, 9.2W	DC12V, 7.5W / PoE, 9.8W	DC12V, 7.5W / PoE, 9W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	-	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •RS-485 supported •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264/H.265 supported •LDC supported

Z2 H.265 Series IP Camera







						
Model	Z2R6452AX	Z2R8022EX25	Z2R8122X-P	Z2R8122X2-P	Z2R8822AX	Z2R6422AX-P
Resolution	5MP (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8 – 8 mm	5.3 – 130 mm	2.8 – 12 mm	7.0 – 22 mm	2.8 – 8 mm	2.8 – 12 mm
Aperture	F1.6	F1.6(W) – F4.3(T)	F1.4 (W) – F2.8 (T)	F1.8(W) – F2.8(T)	F1.6	F1.4 (W) – F2.8 (T)
Angle of view (H)	95.3° (W) – 51.8°(T)	58.5° (W) – 2.8° (T)	98.0° (W) – 33.0° (T)	36.0° (W) – 16.0° (T)	108.1° (W) – 56.7° (T)	93.1° (W) – 31.4° (T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097
Min. illumination	Color : 0.01 Lux at F1.6 B/W : 0.005 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.5 B/W : 0.005 Lux at F1.5 ; 0 Lux with IR LED ON	Color : 0.003 Lux at F1.4 B/W : 0.001 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.007 Lux at F1.8 B/W : 0.003 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.007 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.003 Lux at F1.4 B/W : 0.001 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	60 FPS	60 FPS	60 FPS	60 FPS	60 FPS
Max. IR distance	30M	100M(Wide:70m - Tele:200m)	40M	40M	30M	30M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Streams	4	4	4	4	4	4
Sense up +	Supported	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported	Supported
HDR	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting					
IVS Advanced 2.0	-	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP68 / IK10	IP68 / IK10	IP67 / -	IP67 / 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)	-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 ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.5W / PoE, 9W	DC12V, 12W / PoE+, 14W	DC12V, 12.5W / PoE+, 14.5W	DC12V, 12.5W / PoE+, 14.5W	DC12V, 6.9W / PoE, 9.2W	DC12V, 7.5W / PoE, 9W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •RS-485 supported •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264/H.265 supported •LDC supported

Z2 H.265 Series IP Camera






Z3 H.265 Series IP Camera

					
Model	Z2R6422AX	Z2R6522X	Z3R6422X3	Z3R6522X	Z3R8922X3
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8 – 8 mm	2.8 – 8 mm	2.8 – 8 mm	2.8 – 8 mm	2.8 – 12 mm
Aperture	F1.6	F1.6	F 1.8(W) - F 3.3(T)	F1.6	F 1.8(W) - F 3.3(T)
Angle of view (H)	108.1° (W) – 56.7° (T)	108.1° (W) – 56.7° (T)	103.1° (W) – 39.0° (T)	99.0° (W) – 58.7° (T)	104.2° (W) – 39.0° (T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097
Min. illumination	Color : 0.007 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.007 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.8 B/W : 0.002 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.6 B/W : 0.003 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.8 B/W : 0.002 Lux at F1.8 ; 0 Lux with IR LED ON
FPS at max. resolution	60 FPS	60 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	30M	30M	30M	30M	30M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high 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	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting		Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting		
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	- / -	1 / 1	- / -	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / -
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 ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.5W / PoE, 9W	DC12V, 7.5W / PoE, 9.8W	DC12V, 6.6W / PoE, 7.7W	DC12V, 6.3W / PoE, 8.1W	DC12V, 5.7W / PoE, 6.8W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	-	-	-	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • External microphone required • Smart H.264/H.265 supported • LDC supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Smart H.264/H.265 supported • LDC supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • Smart H.264/H.265 supported • LDC supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Smart H.264/H.265 supported • LDC supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • Smart H.264/H.265 supported • LDC supported






Z5 H.265 Series IP Camera

						
Model	Z5R6452X	Z5R6552X	Z5R8852X	Z5R6422X3	Z5R6522X	Z5R8922X3
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8 – 8 mm	2.8 – 8 mm	2.8 – 8 mm	2.8 – 12 mm	2.8 – 8 mm	2.8 – 12 mm
Aperture	F1.6	F1.6	F1.6	F 1.8(W) - F 3.3(T)	F1.6	F 1.8(W) - F 3.3(T)
Angle of view (H)	104.2° (W) – 51.9° (T)	90.6° (W) – 53.3° (T)	97.2° (W) – 52.5° (T)	105.9° (W) – 36.5° (T)	96.0° (W) – 59.0° (T)	104.0° (W) – 36.6° (T)
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	2608 X 1960	2608 X 1960	2608 X 1960	1932 X 1092	1932 X 1092	1932 X 1092
Min. illumination	Color : 0.04 Lux at F1.6 B/W : 0.006 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.05 Lux at F1.6 B/W : 0.007 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.04 Lux at F1.6 B/W : 0.006 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.8 B/W : 0.001 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.8 B/W : 0.001 Lux at F1.8 ; 0 Lux with IR LED ON
FPS at max. resolution	20 FPS	20 FPS	20FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	30M	30M	30M	30M	30M	30M
Compression	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG
Streams	3	3	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported	Supported
HDR	-	-	-	-	-	-
2D WDR	Supported	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	-	-	-	-	-	-
IVS Advanced 2.0	-	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	- / -	1 / 1	1 / 1	- / -	1 / 1
Event triggers	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP67 / -	IP67 / IK10	IP67 / IK10	IP67 / -
Operating temperature	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.5W / PoE, 10W	DC12V, 7.4W / PoE, 10.0W	DC12V, 7.5W / PoE, 10.0W	DC12V, 7.4W / PoE, 9.6W	DC12V, 6.8W / PoE, 9.1W	DC12V, 7.7W / PoE, 10.0W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	-	-	-	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	•Micro SD / SDHC / SDXC card		•Micro SD / SDHC / SDXC card	•Micro SD / SDHC / SDXC card		•Micro SD / SDHC / SDXC card






P2 H.265 Series IP Camera

					
Model	P2R8852E2	P2R8852E4	P2R6852E2	P2R6852E4	P2R6552E2
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	2.8mm	4mm	2.8mm	4mm	2.8mm
Aperture	F1.6	F1.6	F1.6	F1.6	F1.6
Angle of view (H)	92.8°	76.6°	92.8°	76.6°	92.8°
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	2616 × 1964	2616 × 1964	2616 × 1964	2616 × 1964
Min. illumination	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	25 FPS	25 FPS	25 FPS	25 FPS
Max. IR distance	30M	30M	30M	30M	30M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high 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	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	- / -	- / -	- / -	- / -
Event triggers	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Audio / Network lost detection / SmartEvent	Motion / Tamper / Audio / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	IP67 / -	IP67 / -	IP67 / -	IP67 / -	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.9W / PoE, 10.2W	DC12V, 7.9W / PoE, 10.2W	DC12V, 5.6W / PoE, 6.7W	DC12V, 5.6W / PoE, 6.7W	DC12V, 7.2W / PoE, 9.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	One-way Audio	One-way Audio	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Built-in microphone •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Built-in microphone •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264/H.265 supported •LDC supported






P2 H.265 Series IP Camera

	 New	 New	 New	 New	 New
Model	P2R6552E4	P2R6352AE2	P2R6352AE4	P2R3052AE2	P2G1052X
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	4mm	2.8mm	4mm	2.8mm	2.8mm – 12mm
Aperture	F1.6	F1.6	F1.6	F1.6	F1.4
Angle of view (H)	76.6°	92.8°	76.6°	92.8°	94.0° (W) – 34.2(T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	2616 × 1964	2616 × 1964	2616 × 1964	2616 × 1964
Min. illumination	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.6 B/W : 0.004 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.04 Lux at F1.4 B/W : 0.01 Lux at F1.4
FPS at max. resolution	25 FPS	25 FPS	25 FPS	25 FPS	25 FPS
Max. IR distance	30M	30M	30M	30M	-
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high 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	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	1 / 1	1 / 1	1 / 1	1 / 1
Event triggers	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP67 / 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)	-20°C – +50°C (-4°F – 122°F)	-20°C – +50°C (-4°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.2W / PoE, 9.5W	DC12V, 6W / PoE, 7.5W	DC12V, 6W / PoE, 7.5W	DC12V, 6W / PoE, 7.5W	DC12V, 5W / PoE, 6W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264/H.265 supported •LDC supported

P2 H.265 Series IP Camera







					
Model	P2G1052	P2R8822E2	P2R8822E4	P2R6822E2	P2R6822E4
Resolution	5MP (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	-	2.8mm	4mm	2.8mm	4mm
Aperture	-	F1.6	F1.6	F1.6	F1.6
Angle of view (H)	-	104.4°	91.0°	104.4°	91.0°
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097
Min. illumination	Color : 0.04 Lux at F1.4 B/W : 0.01 Lux at F1.4	Color : 0.005 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.004 Lux at F1.6 B/W : 0.001 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.005 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.004 Lux at F1.6 B/W : 0.001 Lux at F1.6 ; 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	60 FPS	60 FPS	60 FPS	60 FPS
Max. IR distance	-	30M	30M	30M	30M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high 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	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	- / -	- / -	- / -	- / -
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Audio / Network lost detection / SmartEvent	Motion / Tamper / Audio / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	- / -	IP67 / -	IP67 / -	IP67 / -	IP67 / -
Operating temperature	-20°C – +50°C (-4°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 ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 5W / PoE, 6W	DC12V, 7.9W / PoE, 10.2W	DC12V, 7.9W / PoE, 10.2W	DC12V, 6W / PoE, 7.5W	DC12V, 6W / PoE, 7.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	-	-	One-way Audio	One-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Built-in microphone •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Built-in microphone •Smart H.264/H.265 supported •LDC supported

P2 H.265 Series IP Camera

	 New	 New	 New	 New	 New
Model	P2R6522E2	P2R6522E4	P2R6322AE2	P2R6322AE4	P2R3022AE2
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8mm	4mm	2.8mm	4mm	2.8mm
Aperture	F1.6	F1.6	F1.6	F1.6	F1.6
Angle of view (H)	104.4°	91.0°	104.4°	91.0°	104.4°
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097
Min. illumination	Color : 0.005 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.004 Lux at F1.6 B/W : 0.001 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.005 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.004 Lux at F1.6 B/W : 0.001 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.005 Lux at F1.6 B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON
FPS at max. resolution	60 FPS	60 FPS	60 FPS	60 FPS	60 FPS
Max. IR distance	30M	30M	30M	30M	30M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high 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	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	- / -	1 / 1	1 / 1	1 / 1
Event triggers	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)	-20°C – +50°C (-4°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.2W / PoE, 9.5W	DC12V, 7.2W / PoE, 9.5W	DC12V, 6W / PoE, 7.5W	DC12V, 6W / PoE, 7.5W	DC12V, 6W / PoE, 7.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264/H.265 supported •LDC supported

P2 H.265 Series IP Camera

P3 H.265 Series IP Camera

						
Model	P2G1022X	P2G1022	P3R6322E2	P3R6522E2	P3R6822E2	P3R8822E2
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8mm – 12mm	-	2.8mm	2.8mm	2.8mm	2.8mm
Aperture	F1.4	-	F2.0	F2.0	F2.0	F2.0
Angle of view (H)	102° (W) – 35.5°(T)	-	108.2°	109.1°	105.3°	113.6°
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097
Min. illumination	Color : 0.05 Lux at F1.4 B/W : 0.004 Lux at F1.4	Color : 0.05 Lux at F1.4 B/W : 0.004 Lux at F1.4	Color : 0.02 Lux at F2.0 B/W : 0.003 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F2.0 B/W : 0.002 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F2.0 B/W : 0.004 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F2.0 B/W : 0.003 Lux at F2.0 ; 0 Lux with IR LED ON
FPS at max. resolution	60 FPS	60 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	-	-	30M	30M	30M	30M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Streams	4	4	4	4	4	4
Sense up +	Supported	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported	Supported
HDR	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting		Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			
IVS Advanced 2.0	-	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	- / -	- / -	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent	Motion / Tamper / Audio / Network lost detection / SmartEvent	Motion / Tamper / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	- / -	- / -	IP67 / IK10	IP67 / IK10	IP67 / -	IP67 / -
Operating temperature	-20°C – +50°C (-4°F – 122°F)	-20°C – +50°C (-4°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 ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 5W / PoE, 6W	DC12V, 5W / PoE, 6W	DC12V, 5W / PoE, 5.8W	DC12V, 6.2W / PoE, 7.6W	DC12V, 5.3W / PoE, 6.3W	DC12V, 5.5W / PoE, 6.8W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	-	-	One-way Audio	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Built-in microphone •Smart H.264/H.265 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264/H.265 supported •LDC supported







P2

Series IP Camera

P3






Series IP Camera

P5 H.265 Series IP Camera






						
Model	P5R6352E2	P5R6552E2	P5R8852E2	P5R6322E2	P5R6522E2	P5R8822E2
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8mm	2.8mm	2.8mm	2.8mm	2.8mm	2.8mm
Aperture	F2.0	F2.0	F2.0	F2.0	F2.0	F2.0
Angle of view (H)	98.0°	100.4°	106.6°	107.4°	112.4°	118.6°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	2608 X 1960	2608 X 1960	2608 X 1960	1932 X 1092	1932 X 1092	1932 X 1092
Min. illumination	Color : 0.04 Lux at F2.0 B/W : 0.006 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.04 Lux at F2.0 B/W : 0.006 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.04 Lux at F2.0 B/W : 0.005 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F2.0 B/W : 0.002 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F2.0 B/W : 0.002 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F2.0 B/W : 0.002 Lux at F2.0 ; 0 Lux with IR LED ON
FPS at max. resolution	20 FPS	20 FPS	20 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	30M	30M	30M	30M	30M	30M
Compression	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG	H.265/HEVC Main Profile, H.264 Main and High Profile , Motion JPEG
Streams	3	3	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported	Supported
HDR	-	-	-	-	-	-
2D WDR	Supported	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	-	-	-	-	-	-
IVS Advanced 2.0	-	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	- / -	1 / 1	1 / 1	- / -	1 / 1
Event triggers	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP67 / -	IP67 / IK10	IP67 / IK10	IP67 / -
Operating temperature	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 6.7W / PoE, 8.5W	DC12V, 6.7W / PoE, 8.7W	DC12V, 6.8W / PoE, 9.1W	DC12V, 6.4W / PoE, 8.0W	DC12V, 6.6W / PoE, 8.5W	DC12V, 6.8W / PoE, 8.7W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	-	-	-	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	*Micro SD / SDHC / SDXC card		*Micro SD / SDHC / SDXC card	*Micro SD / SDHC / SDXC card		*Micro SD / SDHC / SDXC card

Ultra Series IP Camera

S Series IP Camera






					
Model	UHR6582E4	UHG1182E	UFG1122E	SR7424EX3.6	SR7428EX3.6
Resolution	4K (D & N)	4K (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	4mm	-	-	2.8 – 12 mm	2.8 – 12 mm
Aperture	F1.6	-	-	F1.4(W) - F2.8(T)	F1.4(W) - F2.8(T)
Angle of view (H)	81.7°	-	-	91.2° (W) – 25.5° (T)	91.2° (W) – 25.5° (T)
Pick up element	1/1.7" CMOS	1/2.3" CMOS	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS
Effective pixels	4072 × 3046	4072 × 3046	1952 × 1266	1944 × 1213	1944 × 1213
Min. illumination	Color : 0.1 Lux at F1.6 B/W : 0.03 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.5 Lux at F1.2 B/W : 0.1 Lux at F1.2	Color : 0.04 Lux at F1.2 B/W : 0.01 Lux at F1.2	Color : 0.06 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.06 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	Up to 120 FPS	60 FPS	60 FPS
Max. IR distance	30M	-	-	45M	45M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	-	-	-	Up to 120dB	Up to 120dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	-	-	-	-	-
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	
IVS Advanced 2.1 (Optional)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection			Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face 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 triggers	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection
IP rating / Vandal resistant rating	IP67 / IK10	- / -	- / -	IP66 / -	IP66 / -
Operating temperature	-40°C – +45°C (-40°F – 113°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)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	AC24V ±10% / PoE+ (IEEE 802.3at)	AC100 – 240V ±10% / PoE+ (IEEE 802.3at)
Power consumption	DC12V, 9.6W / PoE, 10.6W	DC12V, 7.2W / PoE, 8W	DC12V, 7.2W / PoE, 8W	AC24V, 15W / PoE+, 16.5W	AC100 – 240V, 15W / PoE+, 16.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> Digital zoom & ePTZ Defog Function 	<ul style="list-style-type: none"> Digital zoom & ePTZ Micro SD / SDHC / SDXC card Defog Function Built-in microphone RS-485 supported 	<ul style="list-style-type: none"> Digital zoom & ePTZ Micro SD / SDHC / SDXC card Defog Function Built-in microphone RS-485 supported 	<ul style="list-style-type: none"> Digital zoom & ePTZ Micro SD / SDHC / SDXC card Defog Function External microphone required Smart IR control 	<ul style="list-style-type: none"> Digital zoom & ePTZ Micro SD / SDHC / SDXC card Defog Function External microphone required Smart IR control

S Series IP Camera

					
Model	SR8222E4	SR7022E4	SR7022E6	SR6422EX3	SR2922EX3
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	4mm	4mm	6mm	2.8 – 12 mm	2.8 – 12 mm
Aperture	F1.6	F1.6	F1.6	F1.4(W) - F2.8(T)	F1.4(W) - F2.8(T)
Angle of view (H)	84.0°	84.0°	57.6°	91.2° (W) – 25.5° (T)	91.2° (W) – 25.5° (T)
Pick up element	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS
Effective pixels	1944 × 1213	1944 × 1213	1944 × 1213	1944 × 1213	1944 × 1213
Min. illumination	Color : 0.08 Lux at F1.6 B/W : 0.03 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.07 Lux at F1.6 B/W : 0.03 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.07 Lux at F1.6 B/W : 0.03 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.06 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.06 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	60 FPS	60 FPS	60 FPS	60 FPS	60 FPS
Max. IR distance	35M	30M	30M	30M	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 120dB	Up to 120dB	Up to 120dB	Up to 120dB	Up to 120dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	-	-	-	-	-
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.1 (Optional)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection				
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	- / -	- / -	1 / 1	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection
IP rating / Vandal resistant rating	IP67 / -	IP66 / -	IP66 / -	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
Power supply	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 13.2W / PoE+, 14.8W	DC12V, 10W / PoE, 11W	DC12V, 10W / PoE, 11W	DC12V, 9W / PoE, 10.5W	DC12V, 9W / PoE, 10.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	-	-	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • Defog Function • External microphone required 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • Defog Function 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • Defog Function 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • Defog Function • External microphone required • Smart IR control 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • Defog Function • External microphone required • Smart IR control

S Series IP Camera






Z Series IP Camera (Auto Focus)

				 New	 New
Model	SD2222E2	SD2222E4	SG1122E	ZFR6422EX3	ZFR8122EX3
Resolution	1080P	1080P	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8mm	4mm	-	2.8 – 12 mm	2.8 – 12 mm
Aperture	F1.8	F1.6	-	F1.4(W) – F2.8(T)	F1.4(W) – F2.8(T)
Angle of view (H)	110.0°	84.8°	-	90° (W) – 36° (T)	90° (W) – 36° (T)
Pick up element	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS	1/2.86" MOS
Effective pixels	1944 × 1213	1944 × 1213	1944 × 1213	1944 × 1213	1944 × 1213
Min. illumination	0.07 Lux at F1.6	0.07 Lux at F1.6	Color : 0.04 Lux at F1.2 B/W : 0.01 Lux at F1.2	Color : 0.05 Lux at F1.4 B/W : 0.004 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.05 Lux at F1.4 B/W : 0.004 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	60 FPS	60 FPS	60 FPS	Up to 120 FPS	Up to 120 FPS
Max. IR distance	-	-	-	30M	35M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 120dB	Up to 120dB	Up to 120dB	Up to 120dB	Up to 120dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	-	-	-	-	-
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	
IVS Advanced 2.1 (Optional)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection			Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection	
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	- / -	1 / 1	1 / 1	1 / 1
Event triggers	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection
IP rating / Vandal resistant rating	- / -	- / -	- / -	IP67 / IK10	IP68 / IK10
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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE+ (IEEE 802.3at)
Power consumption	DC12V, 6W / PoE, 6.8W	DC12V, 6W / PoE, 6.8W	DC12V, 7.2W / PoE, 8W	DC12V, 9.4W / PoE, 11.0W	DC12V, 15.8W / PoE+, 18.8W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	One-way Audio	One-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •Built-in microphone 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •Built-in microphone 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •Built-in microphone •Smart IR control •RS-485 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •External microphone required •Smart IR control 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •External microphone required •Smart IR control

Z Series IP Camera (Auto Focus)

					
Model	ZFR8122EX2	ZHR8182EX2	ZHR6482EX2	ZMR8442X	ZMR8142X-P
Resolution	1080P (D & N)	4K (D & N)	4K (D & N)	4MP (D & N)	4MP (D & N)
Focal length	7.0 – 22 mm	3.6mm – 10mm	3.6mm – 10mm	2.8 – 8 mm	2.8 – 12 mm
Aperture	F1.8(W) – F2.8(T)	F1.5(W) – F2.8(T)	F1.5(W) – F2.8(T)	F1.6	F1.4 (W) – F2.8 (T)
Angle of view (H)	41° (W) – 14° (T)	98° (W) – 42° (T)	98° (W) – 42° (T)	97.3° (W) – 49.2° (T)	89.3° (W) – 30.4° (T)
Pick up element	1/2.86" MOS	1/1.7" CMOS	1/1.7" CMOS	1/3" CMOS	1/3" CMOS
Effective pixels	1944 × 1213	4072 × 3046	4072 × 3046	2688 × 1520	2688 × 1520
Min. illumination	Color : 0.06 Lux at F1.8 B/W : 0.005 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.5 Lux at F1.5 B/W : 0.05 Lux at F1.5 ; 0 Lux with IR LED ON	Color : 0.5 Lux at F1.5 B/W : 0.05 Lux at F1.5 ; 0 Lux with IR LED ON	Color : 0.4 Lux at F1.6 B/W : 0.08 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.2 Lux at F1.4 B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	Up to 120 FPS	30 FPS	30 FPS	20 FPS	20 FPS
Max. IR distance	35M	35M	30M	30M	40M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 120dB	-	-	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	-	-	-	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			-	-
IVS Advanced 2.1 (Optional)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face 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 triggers	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection
IP rating / Vandal resistant rating	IP68 / IK10	IP68 / IK10	IP67 / IK10	IP67 / IK10	IP68 / 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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 15.8W / PoE+, 18.8W	DC12V, 17W / PoE+, 18.5W	DC12V, 9.5W / PoE, 10.5W	DC12V, 7.5W / PoE, 8.6W	DC12V, 11.2W / PoE, 12.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	-	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •External microphone required •Smart IR control 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart IR control 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart IR control 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264 supported

Z Series IP Camera (Auto Focus)

					
Model	ZMR8142X2-P	ZMR7742X	ZMR7442X-P	ZMR7442X2-P	ZMR6542X
Resolution	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)
Focal length	7.0 – 22 mm	2.8 – 8 mm	2.8 – 12 mm	7.0 – 22 mm	2.8 – 8 mm
Aperture	F1.8(W) – F2.8(T)	F1.6	F1.4(W) – F2.8(T)	F1.8(W) – F2.8(T)	F1.6
Angle of view (H)	42° (W) – 15° (T)	97.6° (W) – 54.0° (T)	94.8° (W) – 36.4° (T)	42° (W) – 15° (T)	97.3° (W) – 49.2° (T)
Pick up element	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Effective pixels	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520
Min. illumination	Color : 0.3 Lux at F1.8 B/W : 0.06 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.4 Lux at F1.6 B/W : 0.08 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.2 Lux at F1.4 B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.3 Lux at F1.8 B/W : 0.06 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.4 Lux at F1.6 B/W : 0.08 Lux at F1.6 ; 0 Lux with IR LED ON
FPS at max. resolution	20 FPS	20 FPS	20 FPS	20 FPS	20 FPS
Max. IR distance	40M	40M	50M	50M	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	1 / 1	- / -
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Network lost detection
IP rating / Vandal resistant rating	IP68 / IK10	IP66 / IK10	IP66 / -	IP66 / -	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 13W / PoE+, 14W	DC12V, 8.4W / PoE, 10.6W	DC12V, 13.5W / PoE+, 14.5W	DC12V, 13.5W / PoE+, 14.5W	DC12V, 7.2W / PoE, 8.3W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • External microphone required • P-IRIS supported • Smart H.264 supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • External microphone required • Smart H.264 supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • External microphone required • P-IRIS supported • Smart H.264 supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC / SDXC card • External microphone required • P-IRIS supported • Smart H.264 supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Smart H.264 supported





Z Series IP Camera (Auto Focus)

					
Model	ZMR6442AX-P	ZG1232EX3	ZSR8122EX3	ZSR8122EX2	ZMR8122X-P
Resolution	4MP (D & N)	3MP (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8 – 12 mm	3.1 – 9 mm (CS Mount)	2.8 – 12 mm	7.0 – 22 mm	2.8 – 12 mm
Aperture	F1.4 (W) – F2.8 (T)	F1.3	F1.4(W) – F2.8(T)	F1.8(W) – F2.8(T)	F1.4 (W) – F2.8 (T)
Angle of view (H)	89.3° (W) – 30.4° (T)	99.4° (W) – 34.8° (T)	90° (W) – 36° (T)	41° (W) – 14° (T)	93.1° (W) – 31.4° (T)
Pick up element	1/3" CMOS	1/2.8" CMOS	1/2.86" MOS	1/2.86" MOS	1/2.8" CMOS
Effective pixels	2688 × 1520	2096 × 1561	1944 × 1213	1944 × 1213	1945 × 1097
Min. illumination	Color : 0.2 Lux at F1.4 B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F1.3 B/W : 0.01 Lux at F1.3	Color : 0.05 Lux at F1.4 B/W : 0.004 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.06 Lux at F1.8 B/W : 0.005 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.4 B/W : 0.005 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	20 FPS	15 FPS	60 FPS	60 FPS	30 FPS
Max. IR distance	30M	-	35M	35M	40M
Compression	H.264 main and high profile, Motion JPEG	H.264, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 100dB	-	Up to 120dB	Up to 120dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	-	-	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
IVS Advanced 2.0	-	-	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	-
IVS Advanced 2.1 (Optional)	-	-	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Face detection	Motion / Tamper / Audio / Alarm / Network lost detection / IVS	Motion / Tamper / Audio / Alarm / Network lost detection / IVS	Motion / Tamper / Audio / Alarm / Network lost detection
IP rating / Vandal resistant rating	IP67 / IK10	- / -	IP68 / IK10	IP68 / IK10	IP68 / IK10
Operating temperature	-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)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.4W / PoE, 9W	DC12V, 7W / PoE, 8W	DC12V, 15.2W / PoE+, 16.6W	DC12V, 15.2W / PoE+, 16.6W	DC12V, 11.2W / PoE+, 12.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone •Auto Back Focus (One Push) •RS-485 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •External microphone required •Smart IR control 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •External microphone required •Smart IR control 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264 supported

Z Series IP Camera (Auto Focus)

					
Model	ZMR8122X2-P	ZMR8422X	ZR8022EX20	ZR8022EX10	ZMR7722X
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	7.0 – 22 mm	2.8 – 8 mm	4.7mm – 94mm	5.0mm – 50mm	2.8 – 8 mm
Aperture	F1.8(W) – F2.8(T)	F1.6	F1.6 – F3.0	F1.6 – F1.8	F1.6
Angle of view (H)	41° (W) – 14° (T)	102.3° (W) – 51.6° (T)	55.5° (W) – 3° (T)	54° (W) – 4.9° (T)	94.7° (W) – 57.1° (T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	1945 × 1097	1945 × 1097	1984 × 1105	1984 × 1105	1945 × 1097
Min. illumination	Color : 0.03 Lux at F1.8 B/W : 0.007 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.6 B/W : 0.005 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.2 Lux at F1.6 B/W : 0.02Lux ; 0 Lux with IR LED ON	Color : 0.2 Lux at F1.6 B/W : 0.02Lux ; 0 Lux with IR LED ON	Color : 0.03 Lux at F1.6 B/W : 0.007 Lux at F1.6 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	40M	30M	60M	60m	40M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.264 main and high 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	Up to 100dB	Up to 100dB	-	-	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
IVS Advanced 2.0	-	-	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	-	-
IVS Advanced 2.1 (Optional)	-	-	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face 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 triggers	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Network lost detection	Face/ tampering/ audio /motion/ alarm detection	Face/ tampering/ audio /motion/ alarm detection	Motion / Tamper / Audio / Alarm / Network lost detection
IP rating / Vandal resistant rating	IP68 / IK10	IP67 / IK10	IP67 / IK10	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE+ (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE+ (IEEE 802.3af)	DC12V ±10% / PoE+ (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 13W / PoE+, 14W	DC12V, 7.5W / PoE, 8.6W	DC12V 18W / PoE+, 21W)	DC12V 18W / PoE+, 21W)	DC12V, 8.2W / PoE, 10.1W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	-	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •External microphone required 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •External microphone required 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported




Z Series IP Camera (Auto Focus)

				
Model	ZMR7422X-P	ZMR7422X2-P	ZMR6522X	ZMR6422AX-P
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8 – 12 mm	7.0 – 22 mm	2.8 – 8 mm	2.8 – 12 mm
Aperture	F1.4(W) – F2.8(T)	F1.8(W) – F2.8(T)	F1.6	F1.4 (W) – F2.8 (T)
Angle of view (H)	90.6° (W) – 36.1° (T)	41° (W) – 14° (T)	102.3° (W) – 51.6° (T)	93.1° (W) – 31.4° (T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	1945 × 1097	1945 × 1097	1945 × 1097	1945 × 1097
Min. illumination	Color : 0.02 Lux at F1.4 B/W : 0.005 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.03 Lux at F1.8 B/W : 0.007 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.6 B/W : 0.005 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.4 B/W : 0.005 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	50M	50M	30M	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG
Streams	4	4	4	4
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	- / -	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection
IP rating / Vandal resistant rating	IP66 / -	IP66 / -	IP67 / IK10	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 13.5W / PoE+, 14.5W	DC12V, 13.5W / PoE+, 14.5W	DC12V, 7.2W / PoE, 8.3W	DC12V, 7.4W / PoE, 9W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	-	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •P-IRIS supported •Smart H.264 supported

Pro Series IP Camera






					
Model	IPG1052ES	IPR6132ESX3.6	IPR722ES4.3	IPR722ES6	IPR6122ESX3.6
Resolution	5MP (D & N)	3MP (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	-	3.3 – 12 mm	4.3 mm	6 mm	3.3 – 12 mm
Aperture	-	F1.4	F1.6	F1.8	F1.4
Angle of view (H)	-	79.3° (W) – 29.8° (T)	84.8°	57.6°	79.3° (W) – 29.8° (T)
Pick up element	1/2.5" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2592 × 1944	2096 × 1561	1984 × 1105	1984 × 1105	1984 × 1105
Min. illumination	Color : 0.2 Lux at F1.2 B/W : 0.03 Lux at F1.2	Color : 0.1 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.03 Lux at F1.6 B/W : 0.008 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.05 Lux at F1.8 B/W : 0.01 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.4 B/W : 0.005 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	12 FPS	15 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	-	25M	30M	30M	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 1.0	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	- / -	- / -	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Face detection	Motion / Tamper / Audio / Alarm / Face detection	Motion / Tamper / Face detection	Motion / Tamper / Face detection	Motion / Tamper / Audio / Alarm / Face detection
IP rating / Vandal resistant rating	- / -	IP66 / IK10	IP66 / -	IP66 / -	IP66 / IK10
Operating temperature	-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)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 6W / PoE, 7.5W	DC12V, 9W / PoE, 10.2W	DC12V, 9W / PoE, 10.2W	DC12V, 9W / PoE, 10.2W	DC12V, 9W / PoE, 10.2W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	-	-	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC card • Built-in microphone • RS-485 supported 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC card • External microphone required 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC card 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC card 	<ul style="list-style-type: none"> • Digital zoom & ePTZ • Micro SD / SDHC card • External microphone required

Pro Series IP Camera






					
Model	IPD6220ES2	IPD6220ES4.3	IPD6222ES2	IPD6222ES4.3	IPR2522ES4.3
Resolution	1080P	1080P	1080P	1080P	1080P (D & N)
Focal length	2.8mm	4.3mm	2.8mm	4.3mm	4.3 mm
Aperture	F1.8	F1.6	F1.8	F1.6	F1.6
Angle of view (H)	105°	84.8°	105°	84.8°	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 × 1080	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Min. illumination	0.4 Lux at F1.8	0.2 Lux at F1.6	0.4 Lux at F1.8	0.2 Lux at F1.6	Color : 0.08 Lux at F1.6 B/W : 0.02 Lux at F1.6 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	-	-	-	-	10M
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 1.0	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	- / -	- / -	- / -	1 / 1
Event triggers	Motion / Tamper / Face detection	Motion / Tamper / Face detection	Motion / Tamper / Face detection	Motion / Tamper / Face detection	Motion / Tamper / Audio / Alarm / Face detection
IP rating / Vandal resistant rating	IP67 / IK8	IP67 / IK8	IP67 / IK8	IP67 / IK8	- / -
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	PoE (IEEE 802.3af)	PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	5W	5W	DC12V, 4.5W / PoE, 5W	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	One-way Audio	One-way Audio	One-way Audio	One-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Micro SD / SDHC card •Built-in microphone •M12 connector •EN50155 certification 	<ul style="list-style-type: none"> •Micro SD / SDHC card •Built-in microphone •M12 connector •EN50155 certification 	<ul style="list-style-type: none"> •Micro SD / SDHC card •Built-in microphone 	<ul style="list-style-type: none"> •Micro SD / SDHC card •Built-in microphone 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone

Pro Series IP Camera

M Series IP Camera

					
Model	IPR2522ES6	IPR2322ESX3.6	MR8442X	MR8342	MR6442X
Resolution	1080P (D & N)	1080P (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)
Focal length	6 mm	3.3 – 12 mm	2.8 – 12mm	4mm	2.8 – 12mm
Aperture	F1.8	F1.4	F1.4	F2.0	F1.4
Angle of view (H)	57.6°	79.3° (W) – 29.8° (T)	95° (W) – 33° (T)	84°	95° (W) – 33° (T)
Pick up element	1/2.7" CMOS	1/2.8" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Effective pixels	1920 × 1080	1984 × 1105	2688 × 1520	2688 × 1520	2688 × 1520
Min. illumination	Color : 0.1 Lux at F1.8 B/W : 0.02 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F1.4 B/W : 0.005 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.2 Lux at F1.4 B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.3 Lux at F2.0 B/W : 0.06 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.2 Lux at F1.4 B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	20 FPS	20 FPS	20 FPS
Max. IR distance	10M	25M	30M	30M	30M
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG
Streams	4	4	3	3	4
Sense up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	-	-	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Face Detection, Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting		Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting		
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	- / -	- / -	- / -
Event triggers	Motion / Tamper / Audio / Alarm / Face detection	Motion / Tamper / Audio / Alarm / Face detection	Motion / Tamper / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Network lost detection
IP rating / Vandal resistant rating	- / -	- / -	IP67 / IK10	IP66 / IK10	IP67 / IK10
Operating temperature	-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)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.5W / PoE, 8.5W	DC12V, 9W / PoE, 10.2W	DC12V, 8.4W / PoE, 10W	DC12V, 5.2W / PoE, 6.6W	DC12V, 5.4W / PoE, 7W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	-	-	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •External microphone required 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported






M Series IP Camera

					
Model	MR6442AX	MR2942X	MR2942AX	MR6342	MR6342A
Resolution	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP (D & N)
Focal length	2.8 – 12mm	2.8 – 12mm	2.8 – 12mm	4mm	4mm
Aperture	F1.4	F1.4	F1.4	F2.0	F2.0
Angle of view (H)	95° (W) – 33° (T)	95° (W) – 33° (T)	95° (W) – 33° (T)	84°	84°
Pick up element	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Effective pixels	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520
Min. illumination	Color : 0.2 Lux at F1.4 B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.2 Lux at F1.4 B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.2 Lux at F1.4 B/W : 0.04 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.3 Lux at F2.0 B/W : 0.0 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.3 Lux at F2.0 B/W : 0.06 Lux at F2.0 ; 0 Lux with IR LED ON
FPS at max. resolution	20 FPS	20 FPS	20 FPS	20 FPS	20 FPS
Max. IR distance	30M	30M	30M	30M	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	- / -	1 / 1	- / -	1 / 1
Event triggers	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Network lost detection
IP rating / Vandal resistant rating	IP67 / IK10	- / -	- / -	IP67 / IK10	IP67 / IK10
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)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 5.6W / PoE, 7.2W	DC12V, 5.4W / PoE, 7W	DC12V, 5.6W / PoE, 7.2W	DC12V, 4.5W / PoE, 5.6W	DC12V, 4.7W / PoE, 5.8W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	-	Two-way Audio	-	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported •LDC supported

M Series IP Camera

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Series IP Camera

					
Model	MR3042	MR3042A	MR6542	MD2242	MR8422X
Resolution	4MP (D & N)	4MP (D & N)	4MP (D & N)	4MP	1080P (D & N)
Focal length	4mm	4mm	4mm	3.6mm	2.8 – 12mm
Aperture	F2.0	F2.0	F2.0	F2.0	F1.4
Angle of view (H)	84°	84°	80.7°	88°	102° (W) – 34° (T)
Pick up element	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/2.7" CMOS
Effective pixels	2688 × 1520	2688 × 1520	2688 × 1520	2688 × 1520	1920 × 1080
Min. illumination	Color : 0.3 Lux at F2.0 B/W : 0.0 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.3 Lux at F2.0 B/W : 0.06 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.3 Lux at F2.0 B/W : 0.06 Lux at F2.0 ; 0 Lux with IR LED ON	0.3 Lux at F2.0	Color : 0.1 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	20 FPS	20 FPS	20 FPS	20 FPS	30 FPS
Max. IR distance	30M	30M	30M	-	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	1 / 1	- / -	- / -	- / -
Event triggers	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Network lost detection
IP rating / Vandal resistant rating	- / -	- / -	IP67 / IK10	- / -	IP67 / IK10
Operating temperature	-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)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 4.7W / PoE, 5.8W	DC12V, 4.7W / PoE, 5.8W	DC12V, 7.2W / PoE, 8.9W	DC12V, 2.6W / PoE, 3.8W	DC12V, 8.4W / PoE, 10W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	Two-way Audio	-	One way Audio	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported





M Series IP Camera

					
Model	MR8322	MR832B	MR6822	MR6822E2	MR6522
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	4mm	4mm	4mm	2.8mm	4mm
Aperture	F2.0	F2.0	F2.0	F1.8	F2.0
Angle of view (H)	90°	94°	84.0°	109.0°	84.0°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	1920 × 1080	1920 × 1080	1945 × 1097	1945 × 1097	1945 × 1097
Min. illumination	Color : 0.1 Lux at F2.0 B/W : 0.05 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.03 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F2.0 B/W : 0.005 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.01 Lux at F1.8 B/W : 0.003 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.02 Lux at F2.0 B/W : 0.005 Lux at F2.0 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	30M	30M	30M	30M	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 100dB	-	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	- / -	- / -	- / -	- / -
Event triggers	B/W : 0.005 Lux at F2.0 ; 0 Lux with IR LED ON	Motion / Tamper / Network lost detection	Motion / Tamper / Audio detection / Push Service notification	Motion / Tamper / Audio detection / Push Service notification	Motion / Tamper / Network lost detection
IP rating / Vandal resistant rating	IP66 / IK10	IP67 / IK10	IP67 / -	IP67 / -	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 5.2W / PoE, 6.6W	DC12V, 6W / PoE, 7.5W	DC12V, 4.5W / PoE, 5.5W	DC12V, 4.5W / PoE, 5.5W	DC12V, 5.7W / PoE, 7.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	One-way Audio	One-way Audio	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Built-in microphone •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Built-in microphone •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264 supported





M Series IP Camera

					
Model	MR6522E2	MR652B	MR6422X	MR6422AX	MR2922X
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8mm	4mm	2.8 – 12mm	2.8 – 12mm	2.8 – 12mm
Aperture	F1.8	F2.0	F1.4	F1.4	F1.4
Angle of view (H)	109.0°	94°	102° (W) – 34° (T)	102° (W) – 34° (T)	102° (W) – 34° (T)
Pick up element	1/2.8" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1945 × 1097	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Min. illumination	Color : 0.01 Lux at F1.8 B/W : 0.003 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.03 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	30M	30M	30M	30M	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high 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	Up to 100dB	-	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	- / -	- / -	1 / 1	- / -
Event triggers	Motion / Tamper / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Network lost detection
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)	-25°C – +50°C (-13°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 5.7W / PoE, 7.5W	DC12V, 7W / PoE, 8W	DC12V, 5.4W / PoE, 7W	DC12V, 5.6W / PoE, 7.2W	DC12V, 5.4W / PoE, 7W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	-	Two-way Audio	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Smart H.264 supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported






M Series IP Camera

				
Model	MR2922AX	MR6322	MR6322A	MR632B
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	2.8 – 12mm	4mm	4mm	4mm
Aperture	F1.4	F2.0	F2.0	F2.0
Angle of view (H)	102° (W) – 34° (T)	90°	90°	94°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS
Effective pixels	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Min. illumination	Color : 0.1 Lux at F1.4 B/W : 0.02 Lux at F1.4 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.05 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.05 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.03 Lux at F2.0 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	30M	30M	30M	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG
Streams	4	4	4	4
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 100dB	Up to 100dB	Up to 100dB	-
2D WDR	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	- / -	1 / 1	- / -
Event triggers	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Network lost detection
IP rating / Vandal resistant rating	- / -	IP67 / IK10	IP67 / IK10	IP67 / IK10
Operating temperature	-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)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 5.6W / PoE, 7.2W	DC12V, 4.5W / PoE, 5.6W	DC12V, 4.7W / PoE, 5.8W	DC12V, 4.5W / PoE, 5.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	-	Two-way Audio	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264 supported

M Series IP Camera

				
Model	MR3022	MR3022A	MR302B	MR312
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	4mm	4mm	4mm	2.9 mm
Aperture	F2.0	F2.0	F2.0	F2.0
Angle of view (H)	90°	90°	94°	102°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.9" CMOS
Effective pixels	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Min. illumination	Color : 0.1 Lux at F2.0 B/W : 0.05 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.05 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.03 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.05 Lux at F2.0 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	30M	30M	30M	16M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264, Motion JPEG
Streams	4	4	4	3
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 100dB	Up to 100dB	-	-
2D WDR	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			-
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	1 / 1	- / -	- / -
Event triggers	Motion / Tamper / Network lost detection	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Network lost detection	Motion / Tamper / Network lost detection
IP rating / Vandal resistant 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)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	PoE (IEEE 802.3af)
Power consumption	DC12V, 4.5W / PoE, 5.6W	DC12V, 4.7W / PoE, 5.8W	DC12V, 4.5W / PoE, 5.5W	PoE, 8.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	Two-way Audio	-	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •External microphone required •Smart H.264 supported •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Smart H.264 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card

M Series IP Camera
L Series IP Camera

					
Model	MD2222	MD2222E2	MG1022	LR832	LR652
Resolution	1080P	1080P	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	3.6mm	2.8mm	-	3.6 mm	4mm
Aperture	F2.0	F1.8	-	F2.0	F2.0
Angle of view (H)	96°	118.6°	94°	94°	94°
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	0.1 Lux at F2.0	0.07 Lux at F1.8	Color : 0.02 Lux at F1.2 B/W : 0.005 Lux at F1.2	Color : 0.1 Lux at F2.0 B/W : 0.02 Lux at F2.0 ; 0 Lux with IR LED ON	Color : 0.1 Lux at F2.0 B/W : 0.02 Lux at F2.0 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	15 FPS	15 FPS
Max. IR distance	-	-	-	16M	30M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG
Streams	3	3	4	3	3
Sense up +	Supported	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported	Supported
HDR	Up to 100dB	Up to 100dB	Up to 100dB	-	-
2D WDR	Supported	Supported	Supported	Supported	Supported
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			-	-
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	- / -	1 / 1	- / -	- / -
Event triggers	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Audio / Network lost detection	Motion / Tamper / Audio / Alarm / Network lost detection	Motion detection	Motion/Network lost detection
IP rating / Vandal resistant rating	- / -	- / -	- / -	IP67 / IK10	IP67 / 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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 2.6W / PoE, 3.8W	DC12V, 2.6W / PoE, 3.8W	DC12V, 3.2W / PoE, 4.4W	DC12V, 7.5W / PoE, 8.5W	DC12V, 5.8W / PoE, 7W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	One-way Audio	One-way Audio	Two-way Audio	-	-
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264 supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264 supported 	<ul style="list-style-type: none"> •Micro SD / SDHC / SDXC card •Built-in microphone 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card 	

L Series IP Camera				Panoramic IP Camera	
Model	LR312	LD2222E2	LD2222E4	F2R36C2IM	F2R3682IM
Resolution	1080P (D & N)	1080P	1080P	9M (D & N)	4.7M (D & N)
Focal length	2.9 mm	2.8 mm	4 mm	1.2mm	1.0mm
Aperture	F2.0	F1.8	F1.6	F2.2	F2.8
Angle of view (H)	102°	105°	84.8°	185°	185°
Pick up element	1/2.9" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/1.7" CMOS	1/1.8" CMOS
Effective pixels	1920 × 1080	1920 × 1080	1920 × 1080	4072 × 3046	3864 × 2180
Min. illumination	Color : 0.1 Lux at F2.0 B/W : 0.02 Lux at F2.0 ; 0 Lux with IR LED ON	0.4 Lux at F1.8	0.2 Lux at F1.6	Color : 0.3 Lux at F2.2 B/W : 0.09 Lux at F2.2	Color : 0.04 Lux at F2.0 B/W : 0.009 Lux at F2.0
FPS at max. resolution	15 FPS	15 FPS	15 FPS	25 FPS	30 FPS
Max. IR distance	16M	-	-	20M	20M
Compression	H.264, Motion JPEG	H.264, Motion JPEG	H.264, Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Streams	3	3	3	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 1.0	-	-	-	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	- / -	- / -	- / -	1 / 1	1 / 1
Event triggers	Motion detection	Motion detection	Motion detection	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	- / -	- / -	- / -	IP67 / IK10	IP67 / IK10
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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	PoE, 8.5W	DC12V, 4.5W / PoE, 5W	DC12V, 4.5W / PoE, 5W	DC12V, 8.0W / PoE, 9.6W	DC12V, 5.6W / PoE, 6.8W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	One-way Audio	One-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264/H.265 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Built-in microphone •Smart H.264/H.265 supported

L Series IP Camera







Panoramic

Series IP Camera





Covert Series IP Camera
Door Station

					
Model	IPC0422E4	IPC0122P3	IPC0122WP3	IPC0522E2	IPC0522E6
Resolution	1080P (D & N)	1080P	1080P	1080P (D & N)	1080P (D & N)
Focal length	4 mm	3.7 mm (Pinhole)	3.7 mm (Pinhole)	2.1mm	6.0mm
Aperture	F2.0	F2.8	F2.8	F1.8	F2.0
Angle of view (H)	94°	100°	100°	F.HOV 129°	54.4°
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 × 1080	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Min. illumination	Color : 0.1 Lux at F2.0 B/W : 0.05 Lux at F2.0 ; 0 Lux with IR LED ON	1.5 Lux at F2.8	1.5 Lux at F2.8	Color : 0.5 Lux at F1.8 B/W : 0.1 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.6 Lux at F2.0 B/W : 0.2 Lux at F2.0 ; 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	16M	-	-	3 M	3 M
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 1.0	-	-	-	-	-
IVS Advanced 2.0	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	4 zones
Digital I/O	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1
Event triggers	Motion / Tamper / Audio detection	Motion / Tamper / Audio detection	Motion / Tamper / Audio detection	Motion / Tamper / Alarm / PIR detection	Motion / Tamper / Audio / Alarm / Face detection / Network lost detection / PIR detection / RING Button detection
IP rating / Vandal resistant rating	IP66 (Image sensor module only) / -	- / -	- / -	IP66 / -	IP66 / -
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)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.5W / PoE, 8.5W	DC12V, 6W / PoE, 7.5W	DC12V, 6.5W / PoE, 8W	DC12V, 10.5W / PoE, 12W	DC12V, 10.5W / PoE, 12W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone •RS-485 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone •RS-485 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone •RS-485 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone •LDC supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC card •Built-in microphone •LDC supported

PTZ Series IP Camera

						
Model	PSR5520EX25	PSR5524X25	PSR5528X25	PSR5520EX30	PSR5524X30	PSR5528X30
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens zoom ratio	25X Optical	25X Optical	25X Optical	30X Optical	30X Optical	30X Optical
Focal length	4.7 mm – 117.5 mm	4.7 mm – 117.5 mm	4.7 mm – 117.5 mm	4.3 mm – 129.0 mm	4.3 mm – 129.0 mm	4.3 mm – 129.0 mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor
Effective pixels	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224
Min. illumination	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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 Lux with IR LED ON			0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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 Lux with IR LED ON		
Aperture range	F1.6 – 16, Close	F1.6 – 16, Close	F1.6 – 16, Close	F1.6 – 32, Close	F1.6 – 32, Close	F1.6 – 32, Close
FPS at max. resolution	60 FPS	60 FPS	60 FPS	60 FPS	60 FPS	60 FPS
Max. IR distance	200M	200M	200M	200M	200M	200M
Compression	H.264 Main and High Profile, Motion JPEG					
Digital zoom ratio	16X	16X	16X	16X	16X	16X
Sense Up	Supported	Supported	Supported	Supported	Supported	Supported
Electronic shutter speed	Supported	Supported	Supported	Supported	Supported	Supported
Digital noise reduction	Supported	Supported	Supported	Supported	Supported	Supported
High Dynamic Range	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)
Back light compensation	Supported	Supported	Supported	Supported	Supported	Supported
Defog	Supported	Supported	Supported	Supported	Supported	Supported
Electronic Image Stabilization	Supported	Supported	Supported	Supported	Supported	Supported
Privacy masking	16 zone	16 zone	16 zone	16 zone	16 zone	16 zone
Preset	256	256	256	256	256	256
Alarm I/O	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2
Schedule setting	Supported	Supported	Supported	Supported	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection					
IVS Advanced 2.0 (Optional 1)	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting					
IVS Advanced 2.1 (Optional 2)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection					
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)	- 40°C – + 50°C (-40°F – 122°F)
Power supply	PoE++ (IEEE 802.3bt) / DC48V	AC24V ±10%	AC100 – 240V ±10%	PoE++ (IEEE 802.3bt) / DC48V	AC24V ±10%	AC100 – 240V ±10%
Power consumption	PoE++, 47.5 W / DC48V, 46 W (Heater OFF) PoE++, 82.5 W / DC48V, 81 W (Heater ON)	AC24V, 43.5W (Heater OFF) AC24V, 87.5W (Heater ON)	AC100 – 240V, 46.8W (Heater OFF) AC100 – 240V, 85W (Heater ON)	PoE++, 47.5 W / DC48V, 46 W (Heater OFF) PoE++, 82.5 W / DC48V, 81 W (Heater ON)	AC24V, 43.5W (Heater OFF) AC24V, 87.5W (Heater ON)	AC100 – 240V, 46.8W (Heater OFF) AC100 – 240V, 85W (Heater ON)
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Micro SD/SDHC card	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S

PTZ Series IP Camera

				
Model	PSR5024EX30	PSR5024EX20	PSD4624EX20	PSD4624EX30
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens zoom ratio	30X Optical	20X Optical	20X Optical	30X Optical
Focal length	4.3 mm – 129.0 mm	4.7 mm – 117.5 mm	4.7 mm – 117.5 mm	4.3 mm – 129.0 mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor
Effective pixels	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224
Min. illumination	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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 Lux with IR LED ON		0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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 Lux with IR LED ON	
Aperture range	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.6 – 32 , Close
FPS at max. resolution	60 FPS	60 FPS	60 FPS	60 FPS
Max. IR distance	150M	150M	-	-
Compression	H.264 Main and High Profile, Motion JPEG	H.264 Main and High Profile, Motion JPEG	H.264 Main and High Profile, Motion JPEG	H.264 Main and High Profile, Motion JPEG
Digital zoom ratio	16X	16X	16X	16X
Sense Up	Supported	Supported	Supported	Supported
Electronic shutter speed	Supported	Supported	Supported	Supported
Digital noise reduction	Supported	Supported	Supported	Supported
High Dynamic Range	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)
Back light compensation	Supported	Supported	Supported	Supported
Defog	Supported	Supported	Supported	Supported
Electronic Image Stabilization	Supported	Supported	Supported	Supported
Privacy masking	16 zone	16 zone	16 zone	16 zone
Preset	256	256	256	256
Alarm I/O	4 / 2	4 / 2	4 / 2	4 / 2
Schedule setting	Supported	Supported	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			
IVS Advanced 2.0 (Optional 1)	-	-	-	-
IVS Advanced 2.1 (Optional 2)	-	-	-	-
Operating temperature	- 40°C – + 50°C (-40°F – 122°F)			
Power supply	AC24V ±10% / DC24V / PoE++ (IEE 802.3bt)			
Power consumption	AC24V, Max.80W / DC24V, Max.80W / PoE++ , Max. 55W	AC24V, Max.80W / DC24V, Max.80W / PoE++ , Max. 55W	AC24V, 20W / DC24V, 32W / PoE++ , 31.2W (Heater OFF) AC24V, 48W / DC24V, 51W / PoE++ , 52.1W (Heater ON)	AC24V, 20W / DC24V, 32W / PoE++ , 31.2W (Heater OFF) AC24V, 48W / DC24V, 51W / PoE++ , 52.1W (Heater ON)
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio			
Micro SD/SDHC card	Micro SD / SDHC / SDXC card Supported			
ONVIF	ONVIF Profile S			




PTZ Series IP Camera

					
Model	PZD6422EX3	IPS4304EA	IPS4308EA	IPS4204EA	IPS4208EA
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens zoom ratio	3X Optical	30X Optical	30X Optical	20X Optical	20X Optical
Focal length	3.35 mm – 10.05 mm	4.3 mm – 129.0 mm	4.3 mm – 129.0 mm	4.7 mm – 117.5 mm	4.7 mm – 117.5 mm
Pick up element	1/2.7" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor
Effective pixels	1920 × 1080	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224
Min. illumination	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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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)
Aperture range	F1.7(W) – F3.0(T)	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.6 – 32 , Close
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	-	-	-	-	-
Compression	H.264 Main and High Profile, Motion JPEG	H.264 , Motion JPEG	H.264 , Motion JPEG	H.264 , Motion JPEG	H.264 , Motion JPEG
Digital zoom ratio	-	16X	16X	16X	16X
Sense Up	Supported	Supported	Supported	Supported	Supported
Electronic shutter speed	Supported	Supported	Supported	Supported	Supported
Digital noise reduction	Supported	Supported	Supported	Supported	Supported
High Dynamic Range	Supported (Up to 100dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)
Back light compensation	Supported	Supported	Supported	Supported	Supported
Defog	Supported	Supported	Supported	Supported	Supported
Electronic Image Stabilization	Supported	Supported	Supported	Supported	Supported
Privacy masking	-	16 zone	16 zone	16 zone	16 zone
Preset	256	128	128	128	128
Alarm I/O	-	6 / 1	6 / 1	6 / 1	6 / 1
Schedule setting	Supported	Supported	Supported	Supported	Supported
IP rating / Vandal resistant rating	IP67 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	Motion Detection, Audio detection	Motion Detection, Audio detection	Motion Detection, Audio detection	Motion Detection, Audio detection
IVS Advanced 2.0 (Optional 1)	-	-	-	-	-
IVS Advanced 2.1 (Optional 2)	-	-	-	-	-
Operating temperature	-10°C – +45°C (14°F – 113°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 ±10% / PoE (IEEE 802.3af compliant)	PoE+ (IEEE 802.3at compliant) / AC24V ±10%	PoE+ (IEEE 802.3at compliant) / AC100 – 240V ±10%	PoE+ (IEEE 802.3at compliant) / AC24V ±10%	PoE+ (IEEE 802.3at compliant) / AC100 – 240V ±10%
Power consumption	DC12V, 6.0W / PoE, 7.5W	PoE+, 14W (does not support the heater) AC24V, 37W (Heater ON)	PoE+, 14W (does not support the heater) AC100 – 240V, 48W (Heater ON)	PoE+, 14W (does not support the heater) AC24V, 37W (Heater ON)	PoE+, 14W (does not support the heater) AC100 – 240V, 48W (Heater ON)
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability		Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Micro SD/SDHC card	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S

PTZ Series IP Camera

Model	IPS5300EA	IPS5304A	IPS5308A	IPS5200EA	IPS5204A	IPS5208A
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens zoom ratio	30X Optical	30X Optical	30X Optical	20X Optical	20X Optical	20X Optical
Focal length	4.3 mm – 129.0 mm	4.3 mm – 129.0 mm	4.3 mm – 129.0 mm	4.7 mm – 117.5 mm	4.7 mm – 117.5 mm	4.7 mm – 117.5 mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor
Effective pixels	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224	1944 × 1224
Min. illumination	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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) 0.2 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) 0.1 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)
Aperture range	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.6 – Close	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.6 – 32 , Close
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	-	-	-	-	-	-
Compression	H.264 , Motion JPEG	H.264 , Motion JPEG	H.264 , Motion JPEG	H.264 , Motion JPEG	H.264 , Motion JPEG	H.264 , Motion JPEG
Digital zoom ratio	16X	16X	16X	16X	16X	16X
Sense Up	Supported	Supported	Supported	Supported	Supported	Supported
Electronic shutter speed	Supported	Supported	Supported	Supported	Supported	Supported
Digital noise reduction	Supported	Supported	Supported	Supported	Supported	Supported
High Dynamic Range	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)	Supported (Up to 90dB)
Back light compensation	Supported	Supported	Supported	Supported	Supported	Supported
Defog	Supported	Supported	Supported	Supported	Supported	Supported
Electronic Image Stabilization	Supported	Supported	Supported	Supported	Supported	Supported
Privacy masking	16 zone	16 zone	16 zone	16 zone	16 zone	16 zone
Preset	128	128	128	128	128	128
Alarm I/O	6 / 1	6 / 1	6 / 1	6 / 1	6 / 1	6 / 1
Schedule setting	Supported	Supported	Supported	Supported	Supported	Supported
IP rating / Vandal resistant rating	- / -	- / -	- / -	- / -	- / -	- / -
IVS Basic 1.0	Motion Detection, Audio detection	Motion Detection, Audio detection	Motion Detection, Audio detection	Motion Detection, Audio detection	Motion Detection, Audio detection	Motion Detection, Audio detection
IVS Advanced 2.0 (Optional 1)	-	-	-	-	-	-
IVS Advanced 2.1 (Optional 2)	-	-	-	-	-	-
Operating temperature	- 10°C – + 50°C (-14°F – 122°F)	- 10°C – + 50°C (-14°F – 122°F)	- 10°C – + 50°C (-14°F – 122°F)	- 10°C – + 50°C (-14°F – 122°F)	- 10°C – + 50°C (-14°F – 122°F)	- 10°C – + 50°C (-14°F – 122°F)
Power supply	PoE+ (IEEE 802.3at compliant)	AC24V ±10%	AC100 – 240V ±10%	PoE+ (IEEE 802.3at compliant)	AC24V ±10%	AC100 – 240V ±10%
Power consumption	PoE+, 14W (does not support the heater)	AC24V, 15.5W	AC100 – 240V, 16W	PoE+, 14W (does not support the heater)	AC24V, 15.5W	AC100 – 240V, 16W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Micro SD/SDHC card	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S

LPR Series IP Camera

			
Model	SG1122LPR-H	ZSR8122LPR-H	ZSR8122LPR3-H
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)
Focal length	-	7.0 – 22 mm	2.8 – 12 mm
Aperture	-	F1.8(W) – F2.8(T)	F1.4(W) – F2.8(T)
Angle of view (H)	-	41° (W) – 14° (T)	90° (W) – 36° (T)
Pick up element	1/2.86" MOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	1952 x 1266	1945 × 1097	1945 × 1097
Min. illumination	Color: 0.04 Lux at F1.2 B/W: 0.01 Lux at F1.2	Color : 0.06 Lux at F1.8 B/W : 0.005 Lux at F1.8 ; 0 Lux with IR LED ON	Color : 0.05 Lux at F1.4 B/W : 0.004 Lux at F1.4 ; 0 Lux with IR LED ON
FPS at max. resolution	60 FPS	60 FPS	60 FPS
Max. IR distance	-	35M	35M
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG
Streams	4	4	4
Sense up +	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported
HDR	Up to 100dB	Up to 100dB	Up to 100dB
2D WDR	Supported	Supported	Supported
IVS Basic 1.0	-	-	-
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting		
IVS Advanced 2.1 (Optional)	Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection		
Privacy masking	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Smart Event/ IVS / LPR	Motion / Tamper / Audio / Alarm / Network lost detection / Smart Event/ IVS / LPR	Motion / Tamper / Audio / Alarm / Network lost detection / Smart Event/ IVS / LPR
IP rating / Vandal resistant rating	- / -	IP68 / IK10	IP68 / IK10
Operating temperature	-25°C – +50°C (-13°F – 122°F)	-40°C – +50°C (-40°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE+ (IEEE 802.3at)
Power consumption	DC12V, 7.2W / PoE, 8W	DC12V, 15.2W / PoE+, 16.6W	DC12V, 15.2W / PoE+, 16.6W
Mobile phone	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •Built-in microphone •RS-485 supported 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •External microphone required •Smart IR control 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •Defog Function •External microphone required •Smart IR control

NVR Series

	 New	 New	 New	 New
Model	NVR5104E	NVR5208E	NVR5416E	NVR5416
Type	4K	4K	4K	4K
IP video input	4 CH	8 CH	16 CH	16 CH
Max Frame Rate	120 FPS	240 FPS	480 FPS	480 FPS
Max network throughput	32Mbps	64Mbps	240Mbps	96Mbps
HDD disk	1 × 3.5" HDD (Up to 8TB supported)	2 × 3.5" HDD (Up to 8TB supported)	4 × 3.5" HDD (Up to 8TB supported)	4 × 3.5" HDD (Up to 8TB supported)
External storage	-	-	-	-
Resolution	4K / 5M / 4M / 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF	4K / 5M / 4M / 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF	4K / 5M / 4M / 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF	4K / 5M / 4M / 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF
Backup	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
Output	HDMI 1.4 (4K 30P) / VGA 1080P	HDMI 1.4 (4K 30P) / VGA 1080P	HDMI 2.0 (4K 60P) / VGA 1080P	HDMI 2.0 (4K 60P) / VGA 1080P
Alarm/event	DI × 4 and DO × 1 (With programmable condition)	DI × 8 and DO × 1 (With programmable condition)	DI × 16 and DO × 4 (With programmable condition)	DI × 16 and DO × 1 (With programmable condition)
Remote controller	Remote controller addressable up to 255 NVRs (Optional)	Remote controller addressable up to 255 NVRs (Optional)	Remote controller addressable up to 255 NVRs (Optional)	Remote controller addressable up to 255 NVRs (Optional)
Ports	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 4 (802.3af)	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 8 (802.3af)	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 16 (802.3af)	RJ-45 Gigabit Ethernet × 1
Protocol	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S
Keyboard	PIH-931D (Connector box required)	PIH-931D (Connector box required)	PIH-931D (Connector box required)	PIH-931D (Connector box required)
Audio out	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)
Web access	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
Mobile phone	iOS / Android supported	iOS / Android supported	iOS / Android supported	iOS / Android supported
Multi-language	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish			
Operating temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
Dimension (W×L×H)	360 × 316 × 60 mm	360 × 316 × 60 mm	435 × 420 × 44 mm	360 × 316 × 60 mm
Power supply	DC 48V 1.35A 65W (Max) for HDDs and cameras	DC 48V 2A 96W (Max) for HDDs and cameras	AC 100 ~ 240V 3.5A ~ 1.7A 60 ~ 50HZ 280W (Max) for HDDs and cameras	Adapter DC 12V, 7A, 84W × 1
Others	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •4 Port PoE, automatic network camera plug and play •GPS communications 	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •8 Port PoE, automatic network camera plug and play •GPS communications 	<ul style="list-style-type: none"> •WS-Discovery •19" 1U Rackmount •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •16 Port PoE, automatic network camera plug and play •GPS communications 	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications

NVR Series				
Model	NVR5832S	NVR5832	NVR3816	NVR3416R
Type	4K	4K	1080P	1080P
IP video input	32 CH	32 CH	16 CH	16 CH
Max Frame Rate	960 FPS	960 FPS	480 FPS	480 FPS
Max network throughput	300Mbps (RAID 160Mbps)	300Mbps	96Mbps	96Mbps
HDD disk	8 × 3.5" 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)
External storage	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)
Resolution	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
Backup	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
Output	HDMI 2.0 (4K 60P) / VGA 1080P	HDMI 2.0 (4K 60P) / VGA 1080P	HDMI / VGA 1080P, CVBS	HDMI / VGA 1080P
Alarm/event	DI × 16 and DO × 4 (With programmable condition)	DI × 16 and DO × 4 (With programmable condition)	DI × 16 and DO × 4 (With programmable condition)	DI × 2 and DO × 2 (NO/NC with programmable condition)
Remote controller	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs (Optional)	Remote controller addressable up to 255 NVRs (Optional)	Remote controller addressable up to 255 NVRs (Optional)
Ports	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)
Protocol	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S
Keyboard	PIH-931D (Connector box required)	PIH-931D (Connector box required)	PIH-931D	PIH-931D
Audio out	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)
Web access	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
Mobile phone	iOS / Android supported	iOS / Android supported	iOS / Android supported	iOS / Android supported
Multi-language	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish			
Operating temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
Dimension (W×L×H)	438 × 457.2 × 95.2 mm	438 × 451 × 87 mm	438 × 450 × 88 mm	435 × 420 × 44 mm
Power supply	AC 100 ~ 240V 60 ~ 50HZ 6.3A	AC 100 ~ 240V 60 ~ 50HZ 6.3A	Dual redundant power supply, Adapter DC 12V, 10A, 120W × 2, ((Optional))	Adapter DC 12V, 5A, 60W × 1
Others	<ul style="list-style-type: none"> • Software RAID 1/5/6 supported • WS-Discovery • Network redundancy • 19" 2U Rack mount • P2P supported • P2P supported • S.M.A.R.T monitoring • External USB GPS time sync • Chrome, Edge, Firefox, IE, Opera, Safari supported • GPS communications 	<ul style="list-style-type: none"> • WS-Discovery • Network redundancy • 19" 2U Rack mount • P2P supported • S.M.A.R.T monitoring • External USB GPS time sync • Chrome, Edge, Firefox, IE, Opera, Safari supported • GPS communications 	<ul style="list-style-type: none"> • WS-Discovery • Network redundancy • 19" 2U Rack mount • Dual redundant Power supply • P2P supported • S.M.A.R.T monitoring • External USB GPS time sync • Chrome, Edge, Firefox, IE, Opera, Safari supported • GPS communications 	<ul style="list-style-type: none"> • WS-Discovery • Network redundancy • 19" 1U Rackmount • P2P supported • S.M.A.R.T monitoring • External USB GPS time sync • Chrome, Edge, Firefox, IE, Opera, Safari supported • GPS communications

NVR Series



Model	NVR3416	NVR3216	NVR2400	NVR1400
Type	1080P	1080P	1080P	1080P
IP video input	16 CH	16 CH	16 CH	16 CH
Max Frame Rate	480 FPS	480 FPS	400 FPS	400 FPS
Max network throughput	96Mbps	96Mbps	48 Mbps	48 Mbps
HDD disk	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)
External storage	-	-	eSATA connector × 2 (Up to 32TB external storage supported, each 16TB)	eSATA connector × 1 (Up to 16TB external storage supported)
Resolution	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
Backup	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
Output	HDMI / VGA 1080P	HDMI / VGA 1080P	HDMI / VGA 1080P	HDMI / VGA 1080P
Alarm/event	DI × 2 and DO × 1 (NO/NC with programmable condition)	DI × 4 and DO × 1	DI × 2 and DO × 2 (NO/NC)	DI × 2 and DO × 2 (NO/NC)
Remote controller	Remote controller addressable up to 255 NVRs (Optional)	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs
Ports	RJ-45 Gigabit Ethernet × 1	RJ-45 Gigabit Ethernet × 1	RJ-45×2 (Gigabit Ethernet X 1 and 100Mbps X 1) ethernet failure redundancy supported	RJ-45×2 (Gigabit Ethernet X 1 and 100Mbps X 1) ethernet failure redundancy supported
Protocol	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
Keyboard	-	-	PIH-931D	PIH-931D
Audio out	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)
Web access	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
Mobile phone	iOS / Android supported	iOS / Android supported	iOS / Android supported	iOS / Android supported
Multi-language	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish			
Operating temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
Dimension (W×L×H)	360 × 316 × 60 mm	360 × 316 × 60 mm	433 × 411 × 88 mm	434 × 364 × 53 mm
Power supply	Adapter DC 12V, 5A, 60W × 1	Adapter DC 12V, 5A, 60W × 1	Dual redundant power supply, Adapter DC 12V, 10A, 120W × 2 (Optional)	Dual redundant power supply, Adapter DC 12V, 7A, 84W × 2 (Optional)
Others	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications 	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications 	<ul style="list-style-type: none"> •Software RAID 1/5 supported •WS-Discovery •Network redundancy •Dual redundant Power supply •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications 	<ul style="list-style-type: none"> •Software RAID 1/5 supported •WS-Discovery •Network redundancy •Dual redundant Power supply •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications

NVR Series					
Model	NVR400L	NVR200L	NVR100L	NVR408M	NVR404C
Type	1080P	1080P	1080P	1080P	1080P
IP video input	16 CH	16 CH	16 CH	9 CH	16 CH
Max Frame Rate	400 FPS, 60 FPS/ CH(Max)	200 FPS, 60 FPS/ CH(Max)	100 FPS, 60 FPS/ CH(Max)	225 FPS	400 FPS, 60 FPS/ CH(Max)
Max network throughput	48 Mbps	40 Mbps	32 Mbps	45 Mbps	48 Mbps
HDD disk	4 × 3.5" HDD HDD (Up to 6TB supported)	2 × 3.5" HDD (Up to 6TB supported)	2 × 3.5" HDD (Up to 6TB supported)	SATA Port ×1 (2.5-inch HDD or SSD HDD); Removeable 2.5" SATA HDD Tray	SATA port ×1 (Internal 2.5" SATA or SSD HDD)
External storage	-	-	-	-	-
Resolution	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 / 720P / D1 / VGA / CIF	3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF
Backup	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
Output	HDMI / VGA 1080P	HDMI / VGA 1080P	HDMI / VGA 1080P	HDMI / VGA 1080P	HDMI 1080P
Alarm/event	DI × 2 and DO × 2 (NO/NC)	-	-	DI × 2 and DO × 2 (NO/NC)	DI × 2 and DO × 2 (NO/NC)
Remote controller	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs	Remote controller addressable up to 255 NVRs
Ports	RJ-45 Gigabit Ethernet × 1	RJ-45 Gigabit Ethernet × 1	RJ-45 Gigabit Ethernet × 1	100Mbps LAN, M12 ×1	RJ-45 Gigabit Ethernet × 1
Protocol	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / SDDP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / SDDP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / SDDP / ONVIF Profile S	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / Onvif Profile S	ARP / TCP/IP / UDP / HTTP / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / ONVIF Profile S
Keyboard	-	-	-	-	PIH-931D
Audio out	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)	RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)
Web access	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
Mobile phone	iOS / Android supported	iOS / Android supported	iOS / Android supported	iOS / Android supported	iOS / Android supported
Multi-language	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish				
Operating temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	-20°C ~ +60°C	-20°C ~ +60°C
Dimension (W×L×H)	360 × 316 × 60 mm	360 × 316 × 60 mm	360 × 316 × 60 mm	182 × 170 × 60 mm	183 × 130 × 43 mm
Power supply	Adapter DC 12V, 7A, 84W × 1	Adapter DC 12V, 5A, 60W × 1	Adapter DC 12V, 5A, 60W × 1	DC 9 ~ 34V Over voltage protect	Adapter DC 12V, 3A, 36W × 1
Others	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications 	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications 	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications 	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications •EN50155 certification ~ withstand severe shock and vibration •M12 connector 	<ul style="list-style-type: none"> •WS-Discovery •P2P supported •S.M.A.R.T monitoring •External USB GPS time sync •Chrome, Edge, Firefox, IE, Opera, Safari supported •GPS communications

NAV Video Recorder

Model	NAV2036A	NAV08036A	NAV08072A	NAV08108A
Network video support	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR / NVR, NAV Server			
CPU	Intel® Core™ i5-8500	Intel® Core™ i3-8100	Intel® Core™ i5-8500	Intel® Core™ i7-8700
Network video input	Up to 36 channels 1080P / 3M / 4M / 5M / 8M	Up to 36 channels 1080P / 3M / 4M / 5M / 8M	Up to 72 channels 1080P / 3M / 4M / 5M / 8M	Up to 108 channels 1080P / 3M / 4M / 5M / 8M
Network video format	H.264 / MJPEG			
Max network throughput	Upload: up to 500Mbps, Download: up to 500Mbps			
Internal HDD / Swap drive bay	3 × 3.5" SATA HDD	8 × Hot-swap 3.5" SATA HDD	8 × Hot-swap 3.5" SATA HDD	8 × Hot-swap 3.5" SATA HDD
Recording schedule	7 days × 24 hrs time table, recording mode configurable			
Recording mode	Alarm, motion, schedule, and manual			
Recording speed	Max 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported			
Recording resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240			
Alarm recording	Face detection, audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (Optional)			
Playback search	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (Optional), record tagging			
Playback resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240			
Video speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps			
Playback speed	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			
Digital zoom	Yes, ePTZ supported			
Grouping	User grouping authentication assignable for eMap and Navigator			
Output	1 × HDMI ports, (1920 × 1080@60Hz) (2560 × 1600@60Hz) (4096 × 2304@24Hz) 1 × DisplayPort 1.2, (1920 × 1080@60Hz) (4096 × 2304@60Hz)	1 × HDMI port 1.4b, (1920 × 1080@60Hz) (4096 × 2160@24Hz) 1 × DisplayPort 1.2, (1920 × 1080@60Hz) (4096 × 2304@60Hz)	1 × HDMI port 1.4b, (1920 × 1080@60Hz) (4096 × 2160@24Hz) 1 × DisplayPort 1.2, (1920 × 1080@60Hz) (4096 × 2304@60Hz)	1 × HDMI port 1.4b, (1920 × 1080@60Hz) (4096 × 2160@24Hz) 1 × DisplayPort 1.2, (1920 × 1080@60Hz) (4096 × 2304@60Hz)
Mosaic TV wall	-			
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 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 to usb converter for PTZ, ePTZ, and ROI features			
Audio	PCM, two-way audio, audio recording			
POS	TCP-IP / USB interface			
Protocols	ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF			
Mobile support	iOS, Android			
RAID	-	RAID 0, 1, 5, 6, 10, 50		
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese			
Power consumption / Power supply	500W Power Supply, 110V ~ 240V	500W Power Supplies 80 PLUS Gold, 110V ~ 240V	500W Power Supplies 80 PLUS Gold, 110V ~ 240V	500W Power Supplies 80 PLUS Gold, 110V ~ 240V
Dimension (H×W×D)	88 (H) × 438 (W) × 451 (D) mm	88 (H) × 438 (W) × 452 (D) mm	88 (H) × 438 (W) × 451 (D) mm	88 (H) × 438 (W) × 451 (D) mm

NAV Video Recorder

Model	NAV1072B	NAV1108B	NAV16072B	NAV16108B
Network video support	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR / NVR, NAV Server			
CPU	Intel® Xeon® E5-2620 v4	Intel® Xeon® E5-2620 v4	Intel® Core™ i7-8700	Intel® Core™ i7-8700
Network video input	Up to 72 channels 1080P / 3M / 4M / 5M / 8M	Up to 108 channels 1080P / 3M / 4M / 5M / 8M	Up to 72 channels 1080P / 3M / 4M / 5M / 8M	Up to 108 channels 1080P / 3M / 4M / 5M / 8M
Network video format	H.264 / MJPEG			
Max network throughput	Upload: up to 500Mbps, Download: up to 500Mbps			
Internal HDD / Swap drive bay	16 × 3.5" SATA HDDs	24 × 3.5" SATA HDDs	16 × 3.5" SATA HDDs	16 × 3.5" SATA HDDs
Recording schedule	7 days × 24 hrs time table, recording mode configurable			
Recording mode	Alarm, motion, schedule, and manual			
Recording speed	Max 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported			
Recording resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240			
Alarm recording	Face detection, audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (Optional)			
Playback search	Name, time, event, POS SmartSearch, motion SmartSearch, plate search (Optional), record tagging			
Playback resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240			
Video speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps			
Playback speed	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			
Digital zoom	Yes, ePTZ supported			
Grouping	User grouping authentication assignable for eMap and Navigator			
Output	1 × HDMI Port, (4096 × 2160@60Hz) 1 × DVI-D Port, (1920 × 1080@60Hz) 1 × DisplayPort, (4096 × 2304@60Hz)	2 × HDMI Port, (4096 × 2160@60Hz) 2 × DVI-D Port, (1920 × 1080@60Hz) 2 × DisplayPort, (4096 × 2304@60Hz)	1 × HDMI Port, (4096 × 2160@24Hz) 1 × DVI-D Port, (1920 × 1080@60Hz) 1 × DisplayPort, (4096 × 2304@60Hz)	2 × HDMI Port, (4096 × 2160@60Hz) 2 × DVI-D Port, (1920 × 1080@60Hz) 2 × DisplayPort, (4096 × 2304@60Hz)
Mosaic TV wall	2 monitors support up to 36 channels video display (480P 15fps)	4 monitors support up to 36 channels video display (480P 15fps)	2 monitors support up to 36 channels video display (480P 15fps)	4 monitors support up to 36 channels video display (480P 15fps)
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 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 to usb converter for PTZ, ePTZ, and ROI features			
Audio	PCM, two-way audio, audio recording			
POS	TCP-IP / USB interface			
Protocols	ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF			
Mobile support	iOS, Android			
RAID	RAID 0, 1, 5, 6, 10, 50			
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese			
Power consumption / Power supply	Redundant 800W Power Supply, 110V ~ 240V	Redundant 1200W Power Supply, 110V ~ 240V	Redundant 800W Power Supply, 110V ~ 240V	Redundant 800W Power Supply, 110V ~ 240V
Dimension (H×W×D)	133 (H) × 430 (W) × 680 (D) mm	177 (H) × 430 (W) × 680 (D) mm	133 (H) × 430 (W) × 680 (D) mm	133 (H) × 430 (W) × 680 (D) mm



NAV Video Recorder

Model	NAV24072B	NAV24108B
Network video support	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR / NVR, NAV Server	
CPU	Intel® Core™ i7-8700	Intel® Core™ i7-8700
Network video input	Up to 72 channels 1080P / 3M / 4M / 5M / 8M	Up to 108 channels 1080P / 3M / 4M / 5M / 8M
Network video format	H.264 / MJPEG	
Max network throughput	Upload: up to 500Mbps, Download: up to 500Mbps	
Internal HDD / Swap drive bay	24 × 3.5" SATA HDDs	24 × 3.5" SATA HDDs
Recording schedule	7 days × 24 hrs time table, recording mode configurable	
Recording mode	Alarm, motion, schedule, and manual	
Recording speed	Max 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported	
Recording resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240	
Alarm recording	Face detection, audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (Optional)	
Playback search	Name, time, event, POS SmartSearch, motion SmartSearch, plate search (Optional), record tagging	
Playback resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240	
Video speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps	
Playback speed	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	
Digital zoom	Yes, ePTZ supported	
Grouping	User grouping authentication assignable for eMap and Navigator	
Output	1 × HDMI Port, (4096 × 2160@24Hz) 1 × DVI-D Port, (1920 × 1080@60Hz) 1 × DisplayPort, (4096 × 2304@60Hz)	2 × HDMI Port, (4096 × 2160@60Hz) 2 × DVI-D Port, (1920 × 1080@60Hz) 2 × DisplayPort, (4096 × 2304@60Hz)
Mosaic TV wall	2 monitors support up to 36 channels video display (480P 15fps)	4 monitors support up to 36 channels video display (480P 15fps)
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 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 to usb converter for PTZ, ePTZ, and ROI features	
Audio	PCM, two-way audio, audio recording	
POS	TCP-IP / USB interface	
Protocols	ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF	
Mobile support	iOS, Android	
RAID	RAID 0, 1, 5, 6, 10, 50	
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese	
Power consumption / Power supply	Redundant 1200W Power Supply, 110V ~ 240V	Redundant 1200W Power Supply, 110V ~ 240V
Dimension (H×W×D)	177 (H) × 430 (W) × 680 (D) mm	177 (H) × 430 (W) × 680 (D) mm


NAV Expansion Units

Model	JBOD1024	
Form factor	4U chassis	
Processor support	N/A	
Drive bays	JBOD chassis Up to 24 × 3.5" hot-swap HDD bays for JBOD solution Scale LILIN NAV1108 / NAV1072 server storage expansion capacity	
System cooling	Fans 3 × 8cm hot-swap redundant PWM cooling fans 2 × 8cm hot-swap exhaust fans & air shroud	
Operating environment (System)	Operating temperature Range	5°C – 35°C (41°F – 95°F)
	Non-Operating temperature Range	-40°C – 60°C (-40°F – 140°F)
Front panel	Buttons	Power On/Off button System Reset Button Unit Identification (UID) button
	LEDs	1 Network Activity LEDs
Power supply with power distributor	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
Backplane	SAS 12G single expander backplane, with LSI SAS3 expander, support 24 × 3.5" SATA3/SAS2/SAS3 drives, with 4 × mini-SAS HD connectors	
Dimension (H×W×D)	178 × 437 × 660mm	

TV Wall Device

		
Model	NTS1006	NTS1004
Network video support	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR / NVR, NAV Server	
CPU	Intel® Core™ i9-9900K	Intel® Core™ i7-9700K
Network video input	Up to 144 channels 1080P / 3M / 4M / 5M / 8M	Up to 96 channels 1080P / 3M / 4M / 5M / 8M
Network video format	H.264 / MJPEG	H.264 / MJPEG
Max network throughput	Upload: up to 500Mbps, Download: up to 500Mbps	Upload: up to 500Mbps, Download: up to 500Mbps
Internal HDD / Swap drive bay	1 × 3.5" SATA HDD	1 × 3.5" SATA HDD
Digital zoom	Yes, ePTZ supported	Yes, ePTZ supported
Grouping	User grouping authentication assignable for eMap and Navigator	User grouping authentication assignable for eMap and Navigator
Output	2 × HDMI 2.0b Port, (4096 × 2160@60Hz, HDMI 2.0b) 6 × DisplayPort 1.4, (4096 × 2304@60Hz, DisplayPort 1.4)	2 × HDMI 2.0b Port, (4096 × 2160@60Hz) 2 × DVI-D Port, (1920 × 1080@60Hz) 2 × DisplayPort 1.4, (4096 × 2304@60Hz)
Mosaic TV wall	6 monitors support up to 144 channels video display (480P 15fps)	4 monitors support up to 96 channels video display (480P 15fps)
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 5M / 8M resolution	
Split screen	4, 9, 16, 25, 36	
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 to usb converter for PTZ, ePTZ, and ROI features	
Audio	PCM, two-way audio, audio recording	
POS	TCP-IP / USB interface	
Protocols	ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF	
Mobile support	iOS, Android	
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese	
Power consumption / Power supply	Redundant 800W Power Supply, 110V ~ 240V	
Dimension (H×W×D)	177 (H) × 482 (W) × 650 (D) mm	

Facial Recognition Recorder

	
Model	NAV2036F
Input (Facial Recognition)	Up to 4 channels 720P/1080P, 15fps/30fps
Network video format	H.264 / MJPEG
Internal HDD / Swap drive bay	3 × 3.5" SATA HDD
HDMI output	1 × HDMI Port, (4096 × 2160@24Hz)
DisplayPort output	1 × DisplayPort, (4096 × 2304@60Hz)
CPU	Intel® Core™ i7-8700
RAM	16GB (2 × DDR4 8GB)
Chipset	Intel® H370 Chipset
Recognition speed	6~8 recognitions per second for a camera
Number of channels	4 cameras up to 15 recognitions / sec
Number of faces	Up to 4 faces per picture
Minimum face photo pixel requirement	80x80 pixel: 70% confidence rate, 300x300: 80% confidence rate, 450x450 pixel: 90% confidence rate
Maximum people detection allowed	1000 people, 10000 photos db
Recognition time	1 second at 2000 photo db
Face photo db	Batch photos import
Face detected for alarm triggering	Full screen, OSD text, digital output triggering, buzzer, PTZ preset
Face lists	VIP list, unauthorized list, guest list
Guest list	Guest list allows added into face database
Power consumption	500W Power Supply
Power supply	110V ~ 240V
Dimension (mm)	88 (H) × 438 (W) × 451 (D) mm
Weight	21.00 lbs (9.52kg)



Navigator 2.0 VMS

Model	NAV Lite	NAV Enterprise	NAV Corporate
OS	64-bits	64-bits	64-bits
Recording	Schedule / Alarm detection / Manual recording / Remote Trigger	Schedule / Alarm detection / Manual recording / Remote Trigger	Schedule / Alarm detection / Manual recording / Remote Trigger
Record channel max	Up to 36 channels	Up to 108 channels	Up to 108 channels
Resolution	Up to 4K 30FPS and 2MP at 120FPS	Up to 4K 30FPS and 2MP at 120FPS	Up to 4K 30FPS and 2MP at 120FPS
Alarm recording	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)
Support ONVIF IPC	LILIN IPC only	Yes need buy license(by group of 4)	Yes need buy license(by group of 4)
PTZ & ePTZ	Supported	Supported	Supported
Live/playback/remote playback	Live Streaming, Playback, Backup, AVI File Transcode	Live Streaming, Playback, Backup, AVI File Transcode	Live Streaming, Playback, Backup, AVI File Transcode
Live channel max	36	36	36
Split screen	4, 9, 16, 25, 36	4, 9, 16, 25, 36	4, 9, 16, 25, 36
Search	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
Max of Streaming out	Up to 100 channels	Up to 300 channels	Up to 300 channels
POS, ATM, access control	-	Supported	Supported
eMap	Supported	Supported	Supported
Audio capability	2-way	2-way	2-way
Advanced alarm management	-	4 options	4 options
IP cam SD card or NVR file sync	-	Supported	Supported
ANPR Plug-in	-	Optional	Optional
2x2 TV wall & decoder TV wall	-	Supported	Supported
Archiving & failover	-	Supported	Supported
Edge IVS & edge people counting	-	Tripwire, face detection, people counting, audio detection, Zone Entering, Direction detection, and Zone crossing	Tripwire, face detection, people counting, audio detection, Zone Entering, Direction detection, and Zone crossing
NVR P2P connection	-	Supported	Supported
NAV control center	-	-	Supported



Navigator 2.0 CMS

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




Programmable Smart I/O BOX

	 New
Model	DB052E
Digital Inputs	8
Digital Outputs-MOSFET	4
Digital Outputs-DC-Relay	4
Configurable DIOs	8 (Via jump switch DI/O mode)
COM	1
Ground	1
Isolation	3k VDC or 2k Vrms
Sensor Type	Dry contact / wet contact (NPN or PNP)
Input Mode	DI / event counter / frequency
Dry Contact	Off : Open / On : Short to GND
Wet Contact (DI to COM)	Off : 0 – 3VDC / On : 10 – 30VDC
Counter Frequency	Up to 250Hz
Minimum Pulse Width	500 μ sec
Digital Filtering Time Interval	Web GUI configurable
DO Mode	MOSFET Digital , N.O. / COM.
Over-Voltage Protection	45 VDC max.
Rated current	200 mA per channel
Relay Output DO Mode	DC-Relay , N.O. / N.C. / COM.
Operation Voltage	24 VDC
Current Rating	1A per channel
Network Interface/Ethernet	10Base-T / 100Base-TX , RJ-45
Protocols	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / FTP / DDNS / NTP / DHCP / LILIN CGI
Security	User Account , HTTPS
IR Control-Sender	1 (3.5mm Phone Jack), NEC protocol compatible
IR Control-Receiver	1 (3.5mm Phone Jack), NEC protocol compatible
Mount Type	TS35
Wiring	I/O cable max. 14 AWG
Operating temperature	-25°C – +50°C (-13°F – 122°F)
Storage temperature	-25°C – +60°C (-13°F – 140°F)
Relative Humidity	0% – 80%
Dimensions	170mm (W) x 60mm (H) x 98mm (D)
Weight	600g
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 2.2W / PoE, 2.7W
I/O Status	Web GUI , Get trigger information
Visual Series Connection	Support
Languages	English, Traditional Chinese, Simplified Chinese, Russian, Italian, Hungarian, Korean, French, Turkish, Arabic, Spanish, Japanese

Device Management

		
Model	DH032	
Device hub	Camera supported	ONVIF IP camera and LILIN IP camera
	NVR & DVR	LILIN NVR and DVR supported
	Number of devices supported	128 devices
	Voice control	Alexa controls for door, gate, NVR, and PTZ
	Remote reboot	IP cameras via LILIN WebSmart PoE switch
	Protocols	ARP / TCP/IP / UDP / HTTP / DDNS / PPPoE / ONVIF Profile S
	Web	Device status
Device cloud	Storage checking	NAV, NVR, IP camera
	Device reboot	NVR, IP camera
	Device portal	Remote device status report
App management	Mobile phone	iOS, and Android Mobile phone supported
	Notification	Device status alarm notification
	CPU	ARM Cortex A9 Processor @ 600 MHz CPU
	Network ports	Gigabit LAN: RJ45 x1
	HDMI output	1920 x 1080P
	Operating temperature	0°C - +45°C
Power supply	DC 12V, 1.5A / 18W	

NAV Control Server

	 New	
Model	NCS1200	NCS3600
Network video support	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR / NVR, NAV Server	
CPU	Intel® Celeron® J4005	Intel® Core™ i5-8500
Network video input	Up to 12 channels 1080P / 3M / 4M / 5M / 8M	Up to 36 channels 1080P / 3M / 4M / 5M / 8M
Network video format	H.264 / MJPEG	
Max network throughput	Upload: up to 500Mbps, Download: up to 500Mbps	
Internal HDD / Swap drive bay	1 x 2.5" SATA 1TB HDD	3 x 3.5" SATA HDD
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@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported	
Recording resolution	3840 x 2160, 2592 x 1944, 2048 x 1536, 1920 x 1080, 1280 x 1024, 1280 x 768, (720 x 480 / 720 x 576), 320 x 240	
Alarm recording	audio detection, tamper, motion, IVS, DI alarm detection	
Playback search	Name, time, event, POS SmartSearch, motion SmartSearch, plate search (Optional), record tagging	Date, time, event, POS SmartSearch, motion SmartSearch, plate search (Optional), record tagging
Playback resolution	3840 x 2160, 2592 x 1944, 2048 x 1536, 1920 x 1080, 1280 x 1024, 1280 x 768, (720 x 480 / 720 x 576), 320 x 240	
Video speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps	
Playback speed	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	
Digital zoom	Yes, ePTZ supported	
Grouping	User grouping authentication assignable for eMap and Navigator	
Output	1 x HDMI Port, (4096 x 2160@60Hz) 1 x VGA Port, (1920 x 1080@60Hz) 1 x mini DisplayPort, (4096 x 2304@60Hz)	1 x HDMI ports, (4096 x 2160@24Hz) 1 x DisplayPort 1.2 (4096 x 2304@60Hz)
Mosaic TV wall	1 monitor support up to 4 channels video display (480P 15fps)	-
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 5M / 8M resolution	
Split screen	4, 9, 16	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 to usb converter for PTZ, ePTZ, and ROI features	
Audio	PCM, two-way audio, audio recording	
POS	TCP-IP / USB interface	
Protocols	ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF	
Mobile support	iOS, Android	
RAID	-	RAID 0, 1, 5
Language	English, Traditional Chinese, Spanish, German, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese	
Power consumption / Power supply	Redundant 65W Power Supply, 110V ~ 240V	500W Power Supply, 110V ~ 240V
Dimension (HxWxD)	49 (H) x 115 (W) x 115 (D) mm	88 (H) x 438 (W) x 451 (D) mm

Programmable

Smart I/O BOX

Device

Management

NAV

Control Server


Aida Software

Model	ANPR3200AI	ANPR3400AI	ANPR3600AI	ANPR3800AI
Network video support	ONVIF Profile S, LILIN IP camera			
Version of Navigator Corporate required	4 channels license	4 channels license	8 channels license	8 channels license
Digital output	Controllable via IP cameras			
Detection area	Configurable			
Length of plate digits	Minimum and maximum length configurable			
Exclusion list	Configurable			
Playback search	Name, time, event, POS SmartSearch, motion SmartSearch, plate search, record tagging			
Alarm management	Alarm popup for full screen, PC sound, redirect IP camera's digital output, email snapshots, redirect a PTZ preset recall			
Total recognition speed	12 recognitions per second (=6 recognitions per second per channel)	24 recognitions per second (=6 recognitions per second per channel)	36 recognitions per second (=6 recognitions per second per channel)	48 recognitions per second (=6 recognitions per second per channel)
Number of channel for recognition	2 channels	4 channels	6 channels	8 channels
Application field	Parking	Freeway	Freeway	Freeway
CPU requirements	Intel® Core™ i7-8700	Intel® Core™ i7-8700	Intel® Core™ i9-9900K	Intel® Core™ i9-9900K
Vehicle detection speed	60kmh/37mph	120kmh/75mph	200kmh/125mph	200kmh/125mph
Plate background color supported	White, yellow, green, black, and red supported			
Angle of license plate	Up to 15 degrees			
Camera installation angle	0 to 30 horizontal degrees			
SDK	License plate SDK available			
Video resolution	1920 * 1080 or lower			
Language	English, Traditional Chinese, Spanish, German, French, Russian, Japanese, Portuguese, Italian, Simplified Chinese, Slovenian, Czech, Hungarian, Turkish, Arabic, Persian, Bengali, Vietnamese			
Graphic card requirements	Intel® UHD Graphics 630 or above, PMH-XM2280 or Intel® Movidius™ NCS2 x 2 sticks, NVidia GTX-1650 4G or above			
RAM requirements	16GB (2 × DDR4 8GB)			
OS requirements	Windows 10 Enterprise SAC			
Countries supported	ANPR3x00AI-AUS: Australia ANPR3x00AI-EUR: Austria, Belgium, Italy, Croatia, France, Turkey, Germany ANPR3x00AI-GBR: UK ANPR3x00AI-IDN: Indonesia, ANPR3x00AI-JPN: Japan ANPR3x00AI-MEA: Saudi Arabia, UAE, Iran, Iraq, Oman, Dubai ANPR3x00AI-SEA: Malaysia, Hong-Kong, Macau, Vietnam, Singapore ANPR3x00AI-TWN: Taiwan ANPR3x00AI-USA: 50 states, Guam, and Puerto Rico ANPR3x00AI-IND: India/Nepal ANPR3x00AI-THA: Thailand (support provinces)			
	where x= 2, 4, 6 or 8 the number of recognition cameras			



Aida Server

Model	NAV3200AI	NAV3400AI	NAV3600AI	NAV3800AI
CPU	Intel® Core™ i7-8700	Intel® Core™ i7-8700	Intel® Core™ i9-9900K	Intel® Core™ i9-9900K
RAM	16GB (2 × DDR4 8GB)	16GB (2 × DDR4 8GB)	16GB (2 × DDR4 8GB)	16GB (2 × DDR4 8GB)
Chipset	Intel® H370 Chipset	Intel® H370 Chipset	Intel® H370 Chipset	Intel® H370 Chipset
Display card	1 x GTX1650-O4G	1 x GTX1650-O4G	1 x GTX1650-O4G	1 x GTX1650-O4G
AI VPU Core	-	-	-	-
Number of channel for recognition	2 channels	4 channels	6 channels	8 channels
Version of Navigator Corporate required	4 channels license	4 channels license	8 channels license	8 channels license
Detection area	Configurable	Configurable	Configurable	Configurable
Length of plate digits	Minimum and maximum length configurable	Minimum and maximum length configurable	Minimum and maximum length configurable	Minimum and maximum length configurable
Exclusion list	Configurable	Configurable	Configurable	Configurable
Total recognition speed	12 recognitions per second (=6 recognitions per second per channel)	24 recognitions per second (=6 recognitions per second per channel)	36 recognitions per second (=6 recognitions per second per channel)	48 recognitions per second (=6 recognitions per second per channel)
Application field	Freeway	Freeway	Freeway	Freeway
Vehicle detection speed	200kmh/125mph	200kmh/125mph	200kmh/125mph	200kmh/125mph
Plate background color supported	White, yellow, green, black, and red supported	White, yellow, green, black, and red supported	White, yellow, green, black, and red supported	White, yellow, green, black, and red supported
States / provinces	USA, Middle East, Japan, Indonesia, Thailand	USA, Middle East, Japan, Indonesia, Thailand	USA, Middle East, Japan, Indonesia, Thailand	USA, Middle East, Japan, Indonesia, Thailand
Angle of license plate	Up to 15 degrees	Up to 15 degrees	Up to 15 degrees	Up to 15 degrees
Camera installation angle	0 to 30 horizontal degrees	0 to 30 horizontal degrees	0 to 30 horizontal degrees	0 to 30 horizontal degrees
SDK	License plate SDK available	License plate SDK available	License plate SDK available	License plate SDK available
Video resolution	1920 * 1080 or lower	1920 * 1080 or lower	1920 * 1080 or lower	1920 * 1080 or lower
Countries supported	ANPR3x00AI-AUS: Australia ANPR3x00AI-EUR: Austria, Belgium, Italy, Croatia, France, Turkey, Germany ANPR3x00AI-GBR: UK ANPR3x00AI-IDN: Indonesia, ANPR3x00AI-JPN: Japan ANPR3x00AI-MEA: Saudi Arabia, UAE, Iran, Iraq, Oman, Dubai ANPR3x00AI-SEA: Malaysia, Hong-Kong, Macau, Vietnam, Singapore ANPR3x00AI-TWN: Taiwan ANPR3x00AI-USA: 50 states, Guam, and Puerto Rico ANPR3x00AI-IND: India/Nepal ANPR3x00AI-THA: Thailand (support provinces) where x= 2, 4, 6 or 8 the number of recognition cameras			



Aida Server

				
Model	NAV2200AI	NAV2400AI	NAV2600AI	NAV2800AI
CPU	Intel® Core™ i7-8700	Intel® Core™ i7-8700	Intel® Core™ i9-9900K	Intel® Core™ i9-9900K
RAM	16GB (2 × DDR4 8GB)	16GB (2 × DDR4 8GB)	16GB (2 × DDR4 8GB)	16GB (2 × DDR4 8GB)
Chipset	Intel® H370 Chipset	Intel® H370 Chipset	Intel® H370 Chipset	Intel® H370 Chipset
Display card	Intel® UHD Graphics 630	Intel® UHD Graphics 630	Intel® UHD Graphics 630	Intel® UHD Graphics 630
AI VPU core	PMH-XM2280 × 1	PMH-XM2280 × 1	PMH-XM2280 × 1	PMH-XM2280 × 1
Number of channel for recognition	2 channels	4 channels	6 channels	8 channels
Version of navigator corporate required	4 channels license	4 channels license	8 channels license	8 channels license
Detection area	Configurable	Configurable	Configurable	Configurable
Length of plate digits	Minimum and maximum length configurable	Minimum and maximum length configurable	Minimum and maximum length configurable	Minimum and maximum length configurable
Exclusion list	Configurable	Configurable	Configurable	Configurable
Total recognition speed	12 recognitions per second (=6 recognitions per second per channel)	21.2 recognitions per second (=5.3 recognitions per second per channel)	21.6 recognitions per second (=3.6 recognitions per second per channel)	21.6 recognitions per second (=2.7 recognitions per second per channel)
Application field	Parking	Parking	Parking	Parking
Vehicle detection speed	60kmh/37mph	60kmh/37mph	60kmh/37mph	60kmh/37mph
Plate background color supported	White, yellow, green, black, and red supported	White, yellow, green, black, and red supported	White, yellow, green, black, and red supported	White, yellow, green, black, and red supported
States / Provinces	USA, Middle East, Japan, Indonesia, Thailand	USA, Middle East, Japan, Indonesia, Thailand	USA, Middle East, Japan, Indonesia, Thailand	USA, Middle East, Japan, Indonesia, Thailand
Angle of license plate	Up to 15 degrees	Up to 15 degrees	Up to 15 degrees	Up to 15 degrees
Camera installation angle	0 to 30 horizontal degrees	0 to 30 horizontal degrees	0 to 30 horizontal degrees	0 to 30 horizontal degrees
SDK	License plate SDK available	License plate SDK available	License plate SDK available	License plate SDK available
Video resolution	1920 * 1080 or lower	1920 * 1080 or lower	1920 * 1080 or lower	1920 * 1080 or lower
Countries supported	ANPR3x00AI-AUS: Australia ANPR3x00AI-EUR: Austria, Belgium, Italy, Croatia, France, Turkey, Germany ANPR3x00AI-GBR: UK ANPR3x00AI-IDN: Indonesia, ANPR3x00AI-JPN: Japan ANPR3x00AI-MEA: Saudi Arabia, UAE, Iran, Iraq, Oman, Dubai ANPR3x00AI-SEA: Malaysia, Hong-Kong, Macau, Vietnam, Singapore ANPR3x00AI-TWN: Taiwan ANPR3x00AI-USA: 50 states, Guam, and Puerto Rico ANPR3x00AI-IND: India/Nepal ANPR3x00AI-THA: Thailand (support provinces) where x= 2, 4, 6 or 8 the number of recognition cameras			

Aida Accessories

	 New
Model	PMH-XM2280
VPU	Intel® Movidius™ Myriad™ X 2485
Amount of VPU	2
Form factor	M.2 2280 B+M key
Supported frameworks	Caffee, TensorFlow
Dimensions	22 x 80 mm
CPU.Memory	4Gb LPDDR4
Thermal	Heatsink with active fan

Video Decoder

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

Housing for Camera

	 New	 New	 New
Model	PMH-P2900IW	PMH-P2900I	PMH-P6000124WE
Max Output Power Budget	72 ~ 95W PoE PSE		
Camera Power Input	12VDC or 24VAC		
Power Consumption	Window Heater: 10W Blower: 6W Camera: 6 ~ 8W Wiper: 6 W 24W VAIR LED: 24W		
VAIR Control	RS485 or DIP Switch		
VAIR Beam Angle (Horizontal)	10° ~ 30°		
VAIR LED Array	18 pcs High Power LED		
VAIR Wavelength	850nm		
Power Box / Junction Box	24VAC/144W Power Box/Junction Box		
Body & Sunshield Weight	5.1 kg (11.24 lb)		
Cable Grants	PF 3/4"x2 + M25x1		
Operating Temperature	Working: -20°C ~ 50°C (-4°F ~ 122°F)		

Brackets for Camera

Model	BTR04S	BTR01S	BTR06S	BTR03S	PIH-CPM			
Installation	Pendant (Ceiling)	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	IPR7424X IPR7428X IPR7722X LR7424X LR7428X LR7722X SR7424X	SR7428X ZMR7422X-P ZMR7442X-P ZMR7722X ZMR7742X ZR7424X ZR7428X	IPR424X IPR428X IPR722 IPR7424X IPR7428X IPR7722X LR7022	IPR424X LR7224X LR7228X LR7424X LR7428X LR7722X	IPR722E LR7022E SR7022E	IPR424EX IPR428EX IPR722 IPR7424X IPR7428X IPR7722X LR7022 LR7224X	IPR424EX IPR428EX IPR722 IPR7424X IPR7428X IPR7722X LR7022 LR7224X

Brackets for Camera																														
Model		PIH-76WMW (White) PIH-76WM (Silver)			PIH-76WMW + BTS02S PIH-76WM + BTS02S			BTD04W			BTS02S + BTD04W																			
Installation		Pole & Corner			Supported			-			Supported																			
		Wall			Supported			-			Supported																			
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			IPD6132ESX3.6 IPR2322ESX3.6 IPR320ESX3.6 IPR6122ESX3.6 IPR6132ESX3.6 IPS2102E IPS3102E IPS5180E IPS5184 IPS5188	IPS5200E IPS5200EA IPS5204A IPS5208A IPS5300E IPS5300EA IPS5304A IPS5308A LR2322EX3.6 LR6022EX3.6	LR6122EX3.6 PZD6422EX3 Z2R6422AX Z2R6422AX-P Z2R6452AX Z2R6452AX-P Z3R6422X3 Z5R6422X3 Z5R6452X	IPD6132X IPR2322X IPR320X IPR6122X IPR6132X IPS2102E IPS3102E IPS5180E IPS5184 IPS5188	IPS5200E IPS5200EA IPS5204A IPS5208A IPS5300E IPS5300EA IPS5304A IPS5308A LR2322X LR6022X	LR6122X PZD6422EX3 Z2R6422AX Z2R6422AX-P Z2R6452AX Z2R6452AX-P Z3R6422X3 Z5R6422X3 Z5R6452X	IPD2122 IPD6132X IPR2122 IPR2322X IPR2522 IPR320X IPR6122X IPR6132X IPS2102 IPS3102 IPS5200E IPS5200EA IPS5204A IPS5208A IPS5300E IPS5300EA IPS5304A MR3022A MR302B	IPS5308A LD2122 LR2122 LR2322X LR2522 MR302 MR302B LR312 LR6022X LR6122X LR632 MR2922AX MR2922X MR2942AX MR5208A MR3022 MR3022A MR302B	MR3042 MR312 MR6322 MR6322A MR632B MR6342 MR6342A MR6422AX MR6422X MR6442X MR6442X MR652B P2R3022AE2 P2R3052AE2 P2R6322AE2 P2R6322AE4	P2R6352AE2 P2R6352AE4 P2R6522E2 P2R6522E4 P2R6522E2 P2R6522E4 P3R6322E2 P3R6522E2 P5R6322E2 P5R6322E2 P5R6522E2 P5R6522E2 SR2922X SR6422X Z2R6422AX Z2R6422AX-P Z2R6452AX	Z2R6452AX-P Z2R6552X Z3R6422X3 Z3R6522X Z5R6422X3 Z5R6452X Z5R6522X Z5R6552X ZMR6422AX-P ZMR6442AX-P ZMR6522X ZMR6542X	IPD2122 IPD6132 IPR2122 IPR2322X IPR2522 IPR320X IPR6122X IPR6132X IPS2102E IPS3102E IPS5200E IPS5200EA IPS5204A IPS5208A IPS5300E IPS5300EA IPS5304A MR3022A MR302B	IPS5308A LD2122 LR2122 LR2322X LR2522 MR302 MR302B LR312 LR6022X LR6122X LR632 MR2922AX MR2922X MR2942AX IPS5208A MR3022 MR3022A MR302B	MR3042 MR312 MR6322 MR6322A MR632B MR6342 MR6342A MR6422AX MR6422X MR6442X MR6442X MR652B P2R3022AE2 P2R3052AE2 P2R6322AE2 P2R6322AE4	Z2R6352AE2 Z2R6352AE4 P2R6522E2 P2R6522E4 P2R6522E2 P2R6522E4 P3R6322E2 P3R6522E2 P5R6322E2 P5R6322E2 P5R6522E2 P5R6522E2 SR2922X SR6422X Z2R6422AX Z2R6422AX-P Z2R6452AX	Z2R6452AX-P Z2R6552X Z3R6422X3 Z3R6522X Z5R6422X3 Z5R6452X Z5R6522X Z5R6552X ZMR6422AX-P ZMR6442AX-P ZMR6522X ZMR6542X	IPD2122 IPD6132 IPR2122 IPR2322X IPR2522 IPR320X IPR6122X IPR6132X IPS2102E IPS3102E IPS5200E IPS5200EA IPS5204A IPS5208A IPS5300E IPS5300EA IPS5304A MR3022A MR302B	IPS5308A LD2122 LR2122 LR2322X LR2522 MR302 MR302B LR312 LR6022X LR6122X LR632 MR2922AX MR2922X MR2942AX IPS5208A MR3022 MR3022A MR302B	MR3042 MR312 MR6322 MR6322A MR632B MR6342 MR6342A MR6422AX MR6422X MR6442X MR6442X MR652B P2R3022AE2 P2R3052AE2 P2R6322AE2 P2R6322AE4	Z2R6352AE2 Z2R6352AE4 P2R6522E2 P2R6522E4 P2R6522E2 P2R6522E4 P3R6322E2 P3R6522E2 P5R6322E2 P5R6322E2 P5R6522E2 P5R6522E2 SR2922X SR6422X Z2R6422AX Z2R6422AX-P Z2R6452AX	Z2R6452AX-P Z2R6552X Z3R6422X3 Z3R6522X Z5R6422X3 Z5R6452X Z5R6522X Z5R6552X ZMR6422AX-P ZMR6442AX-P ZMR6522X ZMR6542X	IPD2122 IPD6132 IPR2122 IPR2322X IPR2522 IPR320X IPR6122X IPR6132X IPS2102E IPS3102E IPS5200E IPS5200EA IPS5204A IPS5208A IPS5300E IPS5300EA IPS5304A MR3022A MR302B	IPS5308A LD2122 LR2122 LR2322X LR2522 MR302 MR302B LR312 LR6022X LR6122X LR632 MR2922AX MR2922X MR2942AX IPS5208A MR3022 MR3022A MR302B	MR3042 MR312 MR6322 MR6322A MR632B MR6342 MR6342A MR6422AX MR6422X MR6442X MR6442X MR652B P2R3022AE2 P2R3052AE2 P2R6322AE2 P2R6322AE4	Z2R6352AE2 Z2R6352AE4 P2R6522E2 P2R6522E4 P2R6522E2 P2R6522E4 P3R6322E2 P3R6522E2 P5R6322E2 P5R6322E2 P5R6522E2 P5R6522E2 SR2922X SR6422X Z2R6422AX Z2R6422AX-P Z2R6452AX	Z2R6452AX-P Z2R6552X Z3R6422X3 Z3R6522X Z5R6422X3 Z5R6452X Z5R6522X Z5R6552X ZMR6422AX-P ZMR6442AX-P ZMR6522X ZMR6542X

Brackets for Camera												
Model		BCR02W		BTD02W + BTS02S		BTD02W		BCR02W + BTS02S		BTR08W		
Installation		Pendant (Ceiling)		Supported		Supported		Supported		-		
		Pole & Corner		-		-		-		-		
		Wall		Supported		Supported		-		-		
		Extension		-		-		Supported		Supported		
General		Narrative		Wall & ceiling mounting bracket for bullet cameras		Ceiling mounting bracket		Wall & ceiling mounting bracket for bullet cameras		Pendant mount with dome mount kit	Pole mount bracket	
		Applicable model		SR822E4 Z2R8022EX25 Z2R8052EX25 Z2R8122X2-P Z2R8122X-P Z2R8152X2-P Z2R8152X-P	ZHR8182EX2 ZMR8122X-P ZMR8142X-P ZR8022EX10 ZR8022EX20 ZSR8122EX3 ZSR8122LPR	LR832 MR8322 MR832B MR8342 MR8422X MR8442X P2R8822E2 P2R8822E4 P2R8852E2 P2R8852E4	P3R8822E2 P5R8822E2 P5R8852E2 Z2R8822AX Z2R8852AX Z3R8922X3 Z5R8852X Z5R8922X3 ZMR8422X ZMR8442X	LR832 MR8322 MR832B MR8342 MR8422X MR8442X P2R8822E2 P2R8822E4 P2R8852E2 P2R8852E4 ZMR8422X ZMR8442X	P3R8822E2 P5R8822E2 P5R8852E2 Z2R8822AX Z2R8852AX Z3R8922X3 Z5R8852X Z5R8922X3 ZMR8422X ZMR8442X	Z2R8022EX25 Z2R8052EX25 Z2R8122X2-P Z2R8122X-P Z2R8152X2-P Z2R8152X-P ZHR8182EX2	Z2R8022EX25 Z2R8052EX25 Z2R8122X2-P Z2R8122X-P Z2R8152X2-P Z2R8152X-P ZHR8182EX2	BCR02 BTD02 BTD04

Brackets for Camera															
Model		BCR03W					BTD01W + PIH-Z6W+ BCR03W					BTR07W			
Installation	Pendant (Ceiling)	Supported					Supported					-			
	Pole & Corner	-					-					-			
	Wall	-					-					-			
	Extension	-					Supported					Supported			
General	Narrative	Ceiling mounting bracket					Pendant mount with dome mount kit					Junction box plate			
	Applicable model	IPD2122 IPD6132X IPD6220 IPD6222 IPR2122 IPR2322X IPR2522 IPR320X IPR6122X IPR6132X LD2122 LD2222 LR1222 LR2322X LR2522 LR302	LR6022X LR6122X LR632 MD2222 MD2222E2 MR6422X MR6422X MR2922AX MR2922X MR2942X MR2942X MR3022 MR3022A MR302B MR3042 MR3042A MR6322	MR6322A MR632B MR6342 MR6342A MR6422AX MR6422X MR6442X MR6442X MR652B P2R3022AE2 P2R3052AE2 P2R6322AE2 P2R6322AE4 P2R6352AE4 P2R6522E2	P2R6522E4 P2R6552E2 P2R6552E4 P3R6322E2 P3R6522E2 P5R6322E2 P5R6352E2 P5R6522E2 P5R6522E2 P5R6522E2 PZD6422EX3 SD2222 SR2922X SR6422X Z2R6422AX Z2R6422AX-P Z2R6452AX	Z2R6452AX-P Z2R6522X Z3R6422X3 Z3R6522X Z5R6422X3 Z5R6452X Z5R6522X Z5R6522X ZMR6422AX-P ZMR6442AX-P ZMR6522X ZMR6542X	IPD2122 IPD6132X IPD6220 IPD6222 IPR2122 IPR2322X IPR2522 IPR320X IPR6122X IPR6132X LD2122 LD2222 LR1222 LR2322X LR2522 LR302	LR6022X LR6122X LR632 MD2222 MD2222E2 MD2242 MR2922AX MR2922X MR2942X MR2942X MR3022 MR3022A MR302B MR3042 MR3042A MR6322	MR6322A MR632B MR6342 MR6342A MR6422AX MR6422X MR6442X MR6442X MR652B P2R3022AE2 P2R3052AE2 P2R6322AE2 P2R6322AE4 P2R6352AE4 P2R6522E2	P2R6522E4 P2R6552E2 P2R6552E4 P3R6322E2 P3R6522E2 P5R6322E2 P5R6352E2 P5R6522E2 P5R6522E2 P5R6522E2 PZD6422EX3 SD2222 SR2922X SR6422X Z2R6422AX Z2R6422AX-P Z2R6452AX	Z2R6452AX-P Z2R6522X Z3R6422X3 Z3R6522X Z5R6422X3 Z5R6452X Z5R6522X Z5R6522X ZMR6422AX-P ZMR6442AX-P ZMR6522X ZMR6542X	AHD652 AHD652AX AHD654A FR3362 FR3302 IPD2220 IPD6220 IPD6222 LD2222 LR302 LR632 LR652 MD2222 MD2242 MR302 MR3022 MR3022A MR6322A MR632B MR6342 MR6342A MR652 MR652B MR6542 P2R3022AE2 P2R3052AE2 P5R6352E2	MR3022A MR302B MR3042A MR632 MR6322 MR6322A MR632B MR6342 MR6342A MR652 MR652B MR6542 P2R3022AE2 P2R3052AE2	P2R6322 P2R6322AE2 P2R6322AE4 P2R6352 P2R6352AE2 P2R6352AE4 P2R6522 P2R6522E2 P2R6522E4 P2R6552 P2R6552E2 P2R6552E4 P3R6322E2 P3R6522E2 P5R6322E2 P5R6352E2	P5R6522E2 P5R6552E2 SD2222 Z2R6522X Z3R6522X Z5R6522X Z5R6522X Z5R6522X ZMR6522X ZMR6522X ZMR6542X

Brackets for Camera														
Model		BTD01W			BTD01W + PIH-Z6W BTD01W + PIH-Z6			BTS03W			PIH-520LB / PIH-520LBW PIH-5203LB / PIH-5203LBW PIH-5207LB / PIH-5207LBW PIH-5208LB / PIH-5208LBW			
Installation	Pendant (Ceiling)	Supported			Supported			-			-			
	Pole & Corner	-			-			-			-			
	Wall	-			-			Supported			Supported			
	Extension	-			Supported			-			-			
	Rack mount	-			-			-			-			
General	Narrative	Wall mount for dome cameras			Pendant mount with dome mount kit			PTZ wall mount			PTZ wall mount			
	Applicable model	IPS2102E IPS3102E IPS5180E IPS5184 IPS5188 IPS5200E IPS5200EA	IPS5204A IPS5208A IPS5300E IPS5300EA IPS5304A IPS5308A	IPS2102E IPS3102E IPS5180E IPS5184 IPS5188 IPS5200E IPS5200EA	IPS5204A IPS5208A IPS5300E IPS5300EA IPS5304A IPS5308A MR652B	P2R6522E2 P2R6522E4 P2R6552E2 P2R6552E4 P3R6522E2 P5R6522E2 P5R6552E2	Z2R6522X Z2R6552X Z3R6522X Z5R6522X Z5R6522X ZMR6522X ZMR6542X	IPSA4184E IPSA4188E IPSA4204EA IPSA4208EA IPSA4304EA IPSA4308EA PSD4624EX20	PSR5528X25 PSR5528X30 PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30	IPSA4184E IPSA4188E IPSA4204EA IPSA4208EA IPSA4304EA IPSA4308EA PSD4624EX20	PSD4624EX30 PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30	PSR5528X25 PSR5528X30	PSR5528X25 PSR5528X30	

Brackets for Camera												
Model		PIH-520HB / PIH-520HBW PIH-5203HB / PIH-5203HBW PIH-5207HB / PIH-5207HBW PIH-5208HB / PIH-5208HBW			PIH-Z6 + PIH-520HB / PIH-Z6 + PIH-520HBW PIH-Z6 + PIH-5203HB / PIH-Z6 + PIH-5203HBW PIH-Z6 + PIH-5207HB / PIH-Z6 + PIH-5207HBW PIH-Z6 + PIH-5208HB / PIH-Z6 + PIH-5208HBW			PIH-510CPM + PIH-520LB / PIH-510CPM + PIH-520LBW PIH-510CPM + PIH-5203LB / PIH-510CPM + PIH-5203LBW PIH-510CPM + PIH-5207LB / PIH-510CPM + PIH-5207LBW PIH-510CPM + PIH-5208LB / PIH-510CPM + PIH-5208LBW				
Installation	Pendant (Ceiling)	Supported			Supported			-				
	Pole & Corner	-			-			Supported				
	Wall	-			-			-				
	Extension	-			Supported			-				
	Swan neck	-			-			-				
General	Narrative	Ceiling mount			Pendant mount with PTZ mount kit			Pole mount with wall mount for PTZs				
	Applicable model	IPS4184E IPS4188E IPS4204EA IPS4208EA IPS4304EA IPS4308EA	PSD4624EX20 PSD4624EX30 PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30	PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	IPS4184E IPS4188E PSD4624EX20 PSD4624EX30 PSR5024EX20 PSR5024EX30	PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	IPS4184E IPS4188E PSD4624EX20 PSD4624EX30 PSR5024EX20 PSR5024EX30	PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30

Brackets for Camera													
Model		PIH-CPM + BTS03W			PIH-520LW			BTS06W			PIH-Z6W + BTS06W		PIH-Z6W + BTD01W
Installation	Pendant (Ceiling)	-			-			Supported			Supported		Supported
	Pole & Corner	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
	Applicable model	IPS4184E IPS4188E IPS4204EA IPS4208EA IPS4304EA IPS4308EA PSD4624EX20 PSD4624EX30	PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30 PSR5524X25 PSR5524X30 PSR5528X25 PSR5528X30	IPS4184E IPS4188E PSD4624EX20 PSD4624EX30 PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30	IPS4184E IPS4188E PSD4624EX20 PSD4624EX30 PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30	IPS2102E IPS3102E IPS5180E IPS5184 IPS5188 IPS5200E IPS5200EA IPS5204A IPS5208A IPS5300E	IPS5300EA IPS5304A IPS5308A MR652B P2R6522E2 P2R6522E4 P2R6522E2 P2R6522E4 P3R6522E2 P5R6522E2	P5R6552E2 Z2R6522X Z2R6552X Z3R6522X Z5R6522X Z5R6552X Z5R6552X ZMR6522X ZMR6522X ZMR6542X

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 rating / Vandal resistant 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
General	Operating temperature	-10 – 45°C	-20 – 80°C
	Dimensions	Base size : Ø80 × 13(H) mm Microphone size : Ø16 × 85(H) mm Max height : 25cm , Cable lengh : 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.



ZHR8182EX2	
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)
	Z2	H.265 Auto Focus camera
	Z3	H.265 Auto Focus camera
	Z5	H.265 Auto Focus camera
	P2	H.265 fixed camera
P3	H.265 fixed camera	
P5	H.265 fixed camera	

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)
	C	12MP

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

About

LILIN is a global IP video manufacturer of IP video cameras, recording devices, and software with over 30 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.

LILIN's vision is to become a total solution provider in the IP surveillance industry. Besides reinforcing its leading position in Taiwan, LILIN will spare no effort in strengthening its international presence, therefore as to present practical and state-of-the-art network surveillance solutions to the global market.

Established in New Taipei City, Taiwan in 1980, the company has quickly grown to be among the worlds' leading manufacturer in the advanced IP video surveillance industry. LILIN is dedicated to the design, development, manufacture, and marketing of a broad range of networking surveillance solutions. LILIN is proud to have strong relationships with over 50 valued software and integration partners, and is recognized as the first camera company to become ONVIF-conformant.



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About Merit LILIN

LILIN is a global IP video manufacturer with over 40 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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