



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

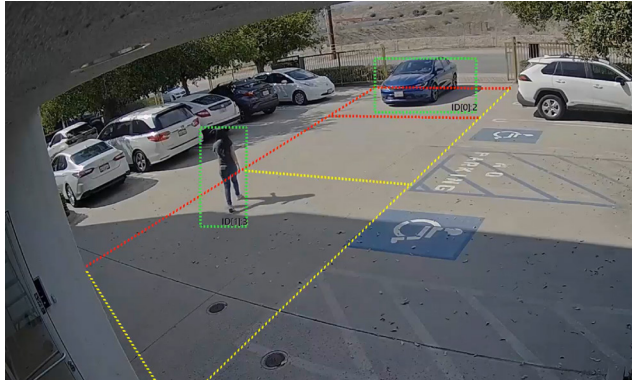
With strong low light capability, high shutter speed and other advanced features, LILIN P2 & Z2 series making it suitable for a variety of applications, chief among our traffic management and city surveillance. The removable IR-cut filter allows day and night operations even in the low lux condition, 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.

IVS Functions

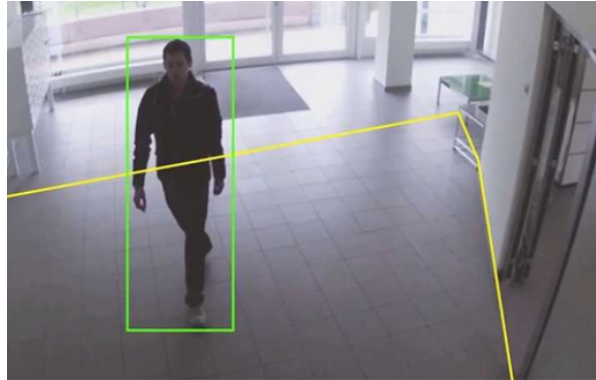
IVS 2.2- Human and Vehicle Detection

Offers both Human and Vehicle detection capabilities for our 2 and 3 series cameras. Use these detections independently or simultaneously to refine motion alarms.



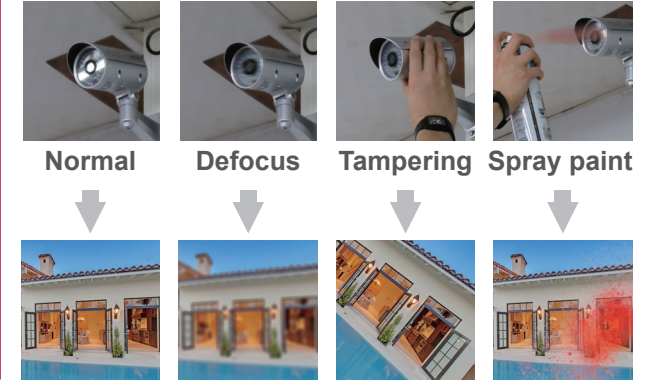
Motion Detection

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.



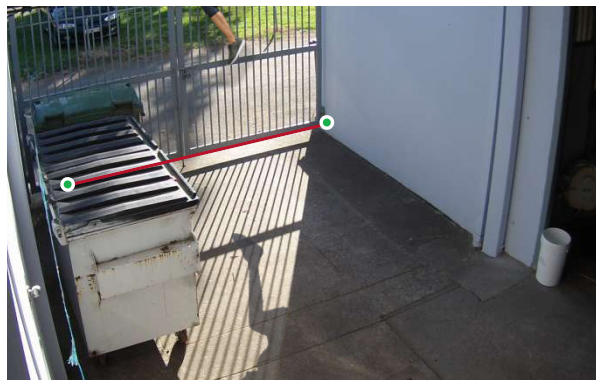
Traffic Light Detection

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



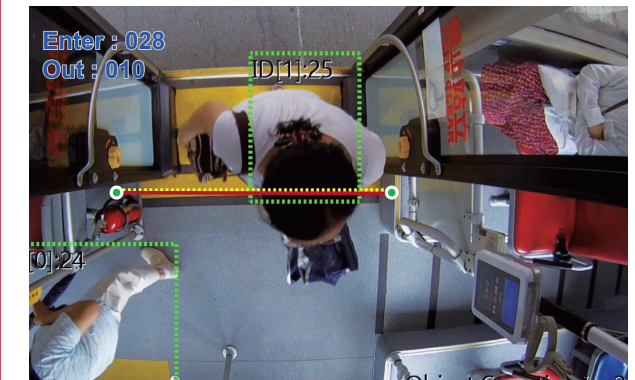
Tripwire Detection

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.



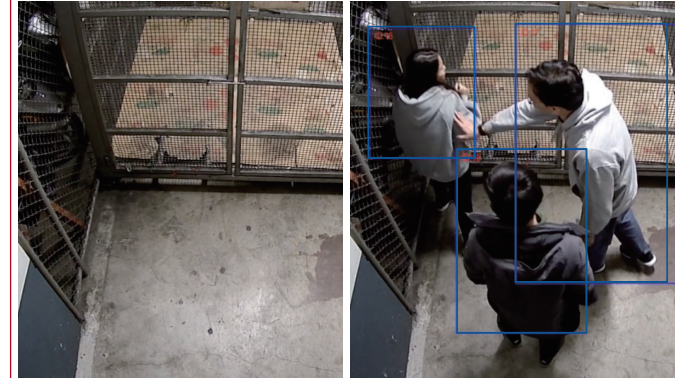
Missing Object Detection

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



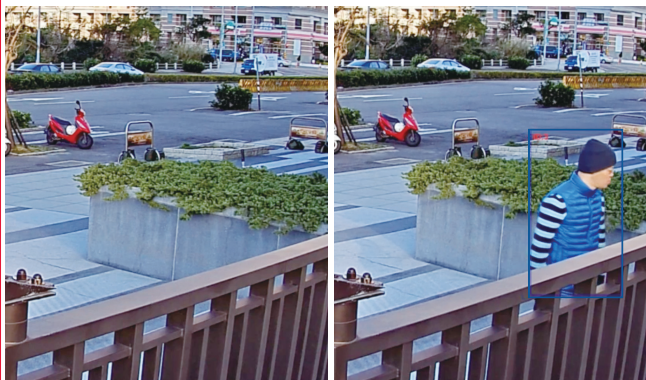
Crowd Detection

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



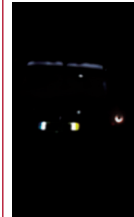
OFF



Sense Up+

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

OFF



ON



PLUS ON



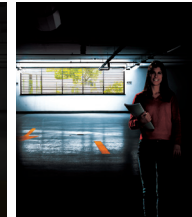
HDR – High Dynamic Range

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.

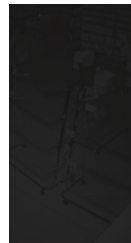
ON



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.

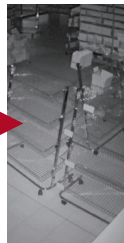
OFF



IR



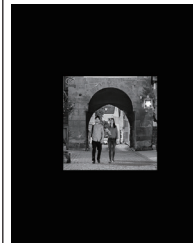
ON



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

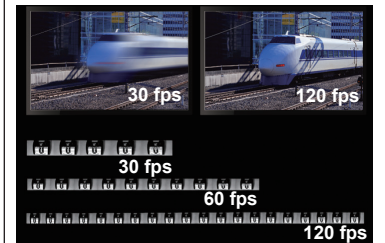
4K Ultra HD (UHD) IP cameras feature outstanding 3,840 x 2,160 4K resolution in 30 frames per second. significantly enhance your viewing experience by providing vivid details and astonishing saturated colors in Ultra High Definition (UHD), which is 4 times clearer than HD videos.

4K ULTRA







120 FPS Ultra High Frame Rate IP Camera

Videos recorded in 120 frame per second can be played in 4X slow motion in 30 frames per second without delay, 120fps cameras are capable of seizing every moment with detail-rich and crystal clear high resolution videos.



Z7 H.265 Series IP Camera

Z2 H.265 Series IP Camera

				
Model	Z7R8182X3-P	Z7R6482X3-P	Z2R8052EX25	Z2R8152X-P
Resolution	8MP (D & N)	8MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	2.8~12mm	2.8~12mm	5.3 – 130 mm	2.8 – 12 mm
Aperture	F 1.6(W) - F 3.3(T)	F 1.6(W) - F 3.3(T)	F1.6(W) – F4.3(T)	F1.4 (W) – F2.8 (T)
Angle of view (H)	108.0° (W) - 31.5° (T)	108.0° (W) - 31.5° (T)	55.0° (W) – 2.3(T)	87° (W) – 30°(T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	3864 × 2176	3864 × 2176	2616 × 1964	2616 × 1964
Min. illumination	Color : 0.04 Lux at F1.6 ; B/W : 0.008 Lux at F1.6 ; 0 Lux with IR LED ON	Color : 0.04 Lux at F1.6 ; B/W : 0.008 Lux at F1.6 ; 0 Lux with IR LED ON	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
FPS at max. resolution	30FPS	30FPS	25 FPS	25 FPS
Max. IR distance	40M	30M	100M (Wide:45m - Tele:130m)	40M
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
Streams	4	4	4	4
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 120dB	Up to 120dB	Up to 100dB	Up to 100dB
2D WDR	-	-	Supported	Supported
IVS Advanced 2.0	Motion / Tamper	Motion / Tamper	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	
IVS Advanced 2.2 (Optional)	-	-	Human and Vehicle Detection	Human and Vehicle Detection
Privacy masking	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 / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent
IP rating / Vandal resistant rating	IP68 / IK10	IP68 / 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)
Power supply	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)
Power consumption	DC12V,13.2W / PoE+, 14.0W	DC12V, 9.5W / PoE, 10.6W	DC12V, 12W / PoE+, 14W	DC12V, 12.5W / PoE+, 14.5W
Mobile phone	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/T	ONVIF Profile S/T	ONVIF Profile S	ONVIF Profile S
Others	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Edge AIDA Supported(Optional, License Required)" 	<ul style="list-style-type: none"> •Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •External microphone required •Edge AIDA Supported(Optional, License Required)" 	<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





Z7

Series IP Camera







Z2

Series IP Camera






Z2 H.265 Series IP Camera

				
Model	Z2R8152X2-P	Z2R8852AX	Z2R6552X	Z2R6452AX-P
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	7.0 – 22 mm	2.8 – 8 mm	2.8 – 8 mm	2.8 – 12 mm
Aperture	F1.8(W) – F2.8(T)	F1.6	F1.6	F1.4 (W) – F2.8 (T)
Angle of view (H)	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
Effective pixels	2616 × 1964	2616 × 1964	2616 × 1964	2616 × 1964
Min. illumination	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
Max. IR distance	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
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 Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			
IVS Advanced 2.2 (Optional)	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection
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 / 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	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)
Power supply	DC12V ±10% (Terminal connector) / 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, 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
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/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 Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting					
IVS Advanced 2.2 (Optional)	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection
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 – 12 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 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 2.2 (Optional)	Human and Vehicle Detection		Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle 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 / 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 Advanced 2.0	-	-	-	-	-	-
IVS Advanced 2.2 (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 Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.2 (Optional)	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection
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

					
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 Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.2 (Optional)	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle 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 / 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 Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.2 (Optional)	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection
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

					
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 Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting				
IVS Advanced 2.2 (Optional)	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle 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 / 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 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 2.2 (Optional)	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection	Human and Vehicle Detection
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

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 Advanced 2.0	-	-	-	-	-	-
IVS Advanced 2.2 (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
M Series IP Camera






Model	UFG1122E	MD2242
Resolution	1080P (D & N)	4MP
Focal length	-	3.6mm
Aperture	-	F2.0
Angle of view (H)	-	88°
Pick up element	1/2.86" MOS	1/3" CMOS
Effective pixels	1952 × 1266	2688 × 1520
Min. illumination	Color : 0.04 Lux at F1.2 B/W: 0.01 Lux at F1.2	0.3 Lux at F2.0
FPS at max. resolution	Up to 120 FPS	20 FPS
Max. IR distance	-	-
Compression	H.264 main and high profile, Motion JPEG	H.264 main and high profile, Motion JPEG
Streams	4	3
Sense up +	Supported	Supported
3D noise reduction	Supported	Supported
HDR	-	Up to 100dB
2D WDR	Supported	Supported
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, Human and Vehicle Detection	-
Privacy masking	4 zones	4 zones
Digital I/O	1 / 1	- / -
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection	Motion / Tamper / Audio / 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)
Power supply	DC12V ±10% / PoE (IEEE 802.3af)	DC12V ±10% / PoE (IEEE 802.3af)
Power consumption	DC12V, 7.2W / PoE, 8W	DC12V, 2.6W / PoE, 3.8W
Mobile phone	iOS, Android	iOS, Android
Audio capability	Two-way Audio	One way Audio
ONVIF	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 •Built-in microphone •Smart H.264 supported •LDC supported

M Series IP Camera



Panoramic IP Camera

				
Model	MD2222	MD2222E2	F2R36C2IM	F2R3682IM
Resolution	1080P	1080P	9M (D & N)	4.7M (D & N)
Focal length	3.6mm	2.8mm	1.2mm	1.0mm
Aperture	F2.0	F1.8	F2.2	F2.8
Angle of view (H)	96°	118.6°	185°	185°
Pick up element	1/2.7" CMOS	1/2.7" CMOS	1/1.7" CMOS	1/1.8" CMOS
Effective pixels	1920 x 1080	1920 x 1080	4072 × 3046	3864 × 2180
Min. illumination	0.1 Lux at F2.0	0.07 Lux at F1.8	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	30 FPS	30 FPS	25 FPS	30 FPS
Max. IR distance	-	-	20M	20M
Compression	H.264 main and high profile, Motion JPEG	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	4	4
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 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 2.2 (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 / Audio / Network lost 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	-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)
Power consumption	DC12V, 2.6W / PoE, 3.8W	DC12V, 2.6W / PoE, 3.8W	DC12V, 8.0W / PoE, 9.6W	DC12V, 5.6W / PoE, 6.8W
Mobile phone	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
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"> •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



PTZ Series IP Camera

	 	 
Model	S7R558(4/8/9E)X25	S7R558(4/8/9E)X25
Resolution	8MP (D & N)	8MP (D & N)
Lens zoom ratio	25X Optical	30X Optical
Focal length	5.3 mm – 132.5 mm	4.9 mm – 148.2 mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor
Effective pixels	3864 × 2192	3864 × 2192
Min. illumination	"0.04 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.009 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0.008 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.0009 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON"	"0.02 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.005 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0.004 lux (1/8 sec, F1.3(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.0005 lux (1/8 sec, F1.3(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON"
Aperture range	F1.6 – 32	F1.3 – 32
FPS at max. resolution	30 FPS	30 FPS
Max. IR distance	200M	200M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	
Digital zoom ratio	8X	8X
Sense Up	Supported	Supported
Electronic shutter speed	Supported	Supported
Digital noise reduction	Supported	Supported
High Dynamic Range	Supported (Up to 120dB)	Supported (Up to 120dB)
Back light compensation	-	-
Defog	Supported	Supported
Electronic Image Stabilization	Supported	Supported
Privacy masking	16 zone	16 zone
Preset	256	256
Alarm I/O	4/2	4/2
Schedule setting	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10	IP66 / IK10
IVS Advanced 2.0	Motion / Tamper	Motion / Tamper
IVS Advanced 2.2 (Optional)	-	-
Operating temperature	- 40°C – + 50°C (-40°F – 122°F)	
Power supply	S7R5589E Model: PoE++ (IEEE 802.3bt) / DC48V S7R5584 Model: AC24V ±10% S7R5588 Model: AC100 – 240V ±10% ^a	S7R5589E Model: PoE++ (IEEE 802.3bt) / DC48V S7R5584 Model: AC24V ±10% S7R5588 Model: AC100 – 240V ±10% ^a
Power consumption	AC24V, 32 W (Heater OFF, IR OFF) AC24V, 53 W (Heater OFF, IR ON) AC24V, 73 W (Heater ON, IR OFF) AC24V, 90 W (Heater ON, IR ON) AC100 – 240V, 31 W (Heater OFF, IR OFF) AC100 – 240V, 50 W (Heater OFF, IR ON) AC100 – 240V, 72 W (Heater ON, IR OFF) AC100 – 240V, 86 W (Heater ON, IR ON) ^a	AC24V, 32 W (Heater OFF, IR OFF) AC24V, 53 W (Heater OFF, IR ON) AC24V, 73 W (Heater ON, IR OFF) AC24V, 90 W (Heater ON, IR ON) AC100 – 240V, 31 W (Heater OFF, IR OFF) AC100 – 240V, 50 W (Heater OFF, IR ON) AC100 – 240V, 72 W (Heater ON, IR OFF) AC100 – 240V, 86 W (Heater ON, IR ON) ^a
Mobile phone	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	S7R555(4/8/9E)X25	S7R555(4/8/9E)X25
Resolution	5MP (D & N)	5MP (D & N)
Lens zoom ratio	25X Optical	30X Optical
Focal length	5.3 mm – 132.5 mm	4.9 mm – 148.2 mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor
Effective pixels	2616 × 1964	2616 × 1964
Min. illumination	"0.07 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.01 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0.01 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.001 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON"	"0.02 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.008 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0.004 lux (1/8 sec, F1.3(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.0008 lux (1/8 sec, F1.3(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON"
Aperture range	F1.6 – 32	F1.3 – 32
FPS at max. resolution	30 FPS	30 FPS
Max. IR distance	200M	200M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	
Digital zoom ratio	8X	8X
Sense Up	Supported	Supported
Electronic shutter speed	Supported	Supported
Digital noise reduction	Supported	Supported
High Dynamic Range	Supported (Up to 120dB)	Supported (Up to 120dB)
Back light compensation	-	-
Defog	Supported	Supported
Electronic Image Stabilization	Supported	Supported
Privacy masking	16 zone	16 zone
Preset	256	256
Alarm I/O	4/2	4/2
Schedule setting	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10	IP66 / IK10
IVS Advanced 2.0	Motion / Tamper	Motion / Tamper
IVS Advanced 2.2 (Optional)	-	-
Operating temperature	- 40°C – + 50°C (-40°F – 122°F)	
Power supply	"S7R5589E Model: PoE++ (IEEE 802.3bt) / DC48V S7R5584 Model: AC24V ±10% S7R5588 Model: AC100 – 240V ±10%"	
Power consumption	AC24V, 32 W (Heater OFF, IR OFF) AC24V, 53 W (Heater OFF, IR ON) AC24V, 73 W (Heater ON, IR OFF) AC24V, 90 W (Heater ON, IR ON) AC100 – 240V, 31 W (Heater OFF, IR OFF) AC100 – 240V, 50 W (Heater OFF, IR ON) AC100 – 240V, 72 W (Heater ON, IR OFF) AC100 – 240V, 86 W (Heater ON, IR ON)"	AC24V, 32 W (Heater OFF, IR OFF) AC24V, 53 W (Heater OFF, IR ON) AC24V, 73 W (Heater ON, IR OFF) AC24V, 90 W (Heater ON, IR ON) AC100 – 240V, 31 W (Heater OFF, IR OFF) AC100 – 240V, 50 W (Heater OFF, IR ON) AC100 – 240V, 72 W (Heater ON, IR OFF) AC100 – 240V, 86 W (Heater ON, IR ON)"
Mobile phone	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	PSR5520EX25	PSR5524X25
Resolution	1080P (D & N)	1080P (D & N)
Lens zoom ratio	25X Optical	25X Optical
Focal length	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
Effective pixels	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
FPS at max. resolution	60 FPS	60 FPS
Max. IR distance	200M	200M
Compression	H.264 Main and High Profile, Motion JPEG	
Digital zoom ratio	16X	16X
Sense Up	Supported	Supported
Electronic shutter speed	Supported	Supported
Digital noise reduction	Supported	Supported
High Dynamic Range	Supported (Up to 90dB)	Supported (Up to 90dB)
Back light compensation	Supported	Supported
Defog	Supported	Supported
Electronic Image Stabilization	Supported	Supported
Privacy masking	16 zone	16 zone
Preset	256	256
Alarm I/O	4 / 2	4 / 2
Schedule setting	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10	IP66 / IK10
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting	
IVS Advanced 2.2 (Optional)	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)
Power supply	PoE++ (IEEE 802.3bt) / DC48V	AC24V ±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)
Mobile phone	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio
Micro SD/SDHC card	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported
ONVIF	ONVIF Profile S	ONVIF Profile S

PTZ Series IP Camera

					
Model	PSR5528X25	PSR5520EX30	PSR5524X30	PSR5528X30	PSR5024EX30
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens zoom ratio	25X Optical	30X Optical	30X Optical	30X Optical	30X Optical
Focal length	4.7 mm – 117.5 mm	4.3 mm – 129.0 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
Effective pixels	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 – 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	60 FPS
Max. IR distance	200M	200M	200M	200M	150M
Compression	H.264 Main and High Profile, Motion JPEG				H.264 Main and High Profile, Motion JPEG
Digital zoom ratio	16X	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 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
Defog	Supported	Supported	Supported	Supported	Supported
Electronic Image Stabilization	Supported	Supported	Supported	Supported	Supported
Privacy masking	16 zone	16 zone	16 zone	16 zone	16 zone
Preset	256	256	256	256	256
Alarm I/O	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2
Schedule setting	Supported	Supported	Supported	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10
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 2.2 (Optional)	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)
Power supply	AC100 – 240V ±10%	PoE++ (IEEE 802.3bt) / DC48V	AC24V ±10%	AC100 – 240V ±10%	AC24V ±10% / DC24V / PoE++ (IEEE 802.3bt)
Power consumption	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)	AC24V, Max.80W / DC24V, Max.80W / PoE++ , Max. 55W
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
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	PSR5024EX20	PSD4624EX20	PSD4624EX30	PZD6422EX3
Resolution	1080P (D & N)	1080P (D & N)	1080P (D & N)	1080P (D & N)
Lens zoom ratio	20X Optical	20X Optical	30X Optical	3X Optical
Focal length	4.7 mm – 117.5 mm	4.7 mm – 117.5 mm	4.3 mm – 129.0 mm	3.35 mm – 10.05 mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.7" CMOS image sensor
Effective pixels	1944 × 1224	1944 × 1224	1944 × 1224	1920 × 1080
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			0.1 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)
Aperture range	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.6 – 32 , Close	F1.7(W) – F3.0(T)
FPS at max. resolution	60 FPS	60 FPS	60 FPS	30 FPS
Max. IR distance	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	-
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 100dB)
Back light compensation	Supported	Supported	Supported	
Defog	Supported	Supported	Supported	
Electronic Image Stabilization	Supported	Supported	Supported	
Privacy masking	16 zone	16 zone	16 zone	-
Preset	256	256	256	256
Alarm I/O	4 / 2	4 / 2	4 / 2	-
Schedule setting	Supported	Supported	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP67 / IK10
IVS Advanced 2.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting			
IVS Advanced 2.2 (Optional)	-	-	-	-
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)	-10°C – +45°C (14°F – 113°F)
Power supply	AC24V ±10% / DC24V / PoE++ (IEEE 802.3bt)	AC24V ±10% / DC24V / PoE++ (IEEE 802.3bt)	AC24V ±10% / DC24V / PoE++ (IEEE 802.3bt)	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power consumption	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)	DC12V, 6.0W / PoE, 7.5W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	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
ONVIF	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S

NVR Series

	 New	 New	 New	
Model	NVR6104E	NVR6208E	NVR6216E	NVR5104E
Type	4K	4K	4K	4K
IP video input	4 CH	8 CH	16 CH	4 CH
Max Frame Rate	120 FPS	240 FPS	480 FPS	120 FPS
Max network throughput	32Mbps	64Mbps	96Mbps	32Mbps
HDD disk	1 × 3.5" HDD (Up to 12TB supported)	1 × 3.5" HDD (Up to 12TB supported)	1 × 3.5" HDD (Up to 12TB supported)	1 × 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 1.4 (4K 30P) / VGA 1080P	HDMI 1.4 (4K 30P) / VGA 1080P
Alarm/event	DI × 4 and DO × 1 (With programmable condition)	DI × 8 and DO × 1 (With programmable condition)	DI × 8 and DO × 1 (With programmable condition)	DI × 4 and DO × 1 (With programmable condition)
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 (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, RJ-45 100Mbps PoE × 4 (802.3af)
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	360 × 316 × 60 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	DC 48V 3.75A 180W (Max) for HDDs and cameras	DC 48V 1.35A 65W (Max) for HDDs and cameras
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

NVR Series



Model	NVR5208E	NVR5416E	NVR5416	NVR5832S
Type	4K	4K	4K	4K
IP video input	8 CH	16 CH	16 CH	32 CH
Max Frame Rate	240 FPS	480 FPS	480 FPS	960 FPS
Max network throughput	64Mbps	240Mbps	96Mbps	300Mbps (RAID 160Mbps)
HDD disk	2 × 3.5" HDD (Up to 8TB supported)	4 × 3.5" HDD (Up to 8TB supported)	4 × 3.5" HDD (Up to 8TB supported)	8 × 3.5" HDD (Up to 8TB supported)
External storage	-	-	-	eSATA connector × 2 (Up to 32TB external storage supported, each 16TB)
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 2.0 (4K 60P) / VGA 1080P	HDMI 2.0 (4K 60P) / VGA 1080P	HDMI 2.0 (4K 60P) / VGA 1080P
Alarm/event	DI × 8 and DO × 1 (With programmable condition)	DI × 16 and DO × 4 (With programmable condition)	DI × 16 and DO × 1 (With programmable condition)	DI × 16 and DO × 4 (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
Ports	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	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 (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	435 × 420 × 44 mm	435 × 420 × 44 mm	438 × 457.2 × 95.2 mm
Power supply	DC 48V 2A 96W (Max) for HDDs and cameras	AC 100 ~ 240V 3.5A ~ 1.7A 60 ~ 50HZ 280W (Max) for HDDs and cameras	AC 100 ~ 240V 3.5A ~ 1.7A 60 ~ 50HZ 280W (Max) for HDDs and cameras	AC 100 ~ 240V 60 ~ 50HZ 6.3A
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 •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 •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"> •Software RAID 1/5/6 supported •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

NVR Series		
Model	NVR5832	NVR408M
Type	4K	1080P
IP video input	32 CH	9 CH
Max Frame Rate	960 FPS	225 FPS
Max network throughput	300Mbps	45 Mbps
HDD disk	8 × 3.5" HDD (Up to 8TB supported)	SATA Port ×1 (2.5-inch HDD or SSD HDD); Removeable 2.5" SATA HDD Tray
External storage	eSATA connector × 2 (Up to 32TB external storage supported, each 16TB)	-
Resolution	4K / 5M / 4M / 3M / 1080P / 1.3M / 1M / 960H / D1 / VGA / CIF	1080P / 720P / 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
Output	HDMI 2.0 (4K 60P) / VGA 1080P	HDMI / VGA 1080P
Alarm/event	DI × 16 and DO × 4 (With programmable condition)	DI × 2 and DO × 2 (NO/NC)
Remote controller	Remote controller addressable up to 255 NVRs (Optional)	Remote controller addressable up to 255 NVRs
Ports	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)	100Mbps LAN, M12 ×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 / SMTP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP / Onvif Profile S
Keyboard	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)
Web access	Live / playback / backup / menu configuration / event log	Live / playback / backup / menu configuration / event log
Mobile phone	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	-20°C ~ +60°C
Dimension (W×L×H)	438 × 451 × 87 mm	182 × 170 × 60 mm
Power supply	AC 100 ~ 240V 60 ~ 50HZ 6.3A	DC 9 ~ 34V Over voltage protect
Others	<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 	

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
	LEDs	Unit Identification (UID) button
Power supply with power distributor	DC output	1 Network Activity LEDs
		920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C
		AC input
Backplane	DC output	4 Amp @ +5V standby 75 Amp @ +12V
	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 3.0 VMS

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

Navigator 3.0 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

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
Device cloud	Web	Device status
	Storage checking	NAV, NVR, IP camera
	Device reboot	NVR, IP camera
App management	Device portal	Remote device status report
	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

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 ~ 5 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

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







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%

				
Product Name				
Model		AHD265AX4.2	AHD755A3.6	AHD765A3.6
Resolution		2,592(H) x 1,944(V) @20fps	2,592(H) x 1,944(V) @20fps	2,592(H) x 1,944(V) @20fps
Lens	Focal Length	2.8–12 mm (Manual Vari-focal)	3.6 mm	3.6 mm
	Aperture	F1.4	F2.0	F2.0
	Angle of View	(H)91°–28°(V)67.5°–21.2° (D)120.8°–36°	(H)72.2°(V)52.9° (D)94.3°	(H)72.2°(V)52.9° (D)94.3°
Minimum Illumination		Color : 0.025 Lux at F1.4 B/W : 0 Lux with IR LED ON	Color : 0.025 Lux at F1.8 B/W : 0 Lux with IR LED ON	Color : 0.025 Lux at F1.8 B/W : 0 Lux with IR LED ON
Infrared LED	Radiant Distance	20M	16M	20M
	Beam Spread	30° , 65°	60°	60°
	Peak Wavelength	850nm	850nm	850nm
System		-	-	-
Pick Up Element		1/2.8" CMOS Image Sensor	1/2.8" CMOS Image Sensor	1/2.8" CMOS Image Sensor
Effective Pixels		2,704(H) x 2,104(V)	2,704(H) x 2,104(V)	2,704(H) x 2,104(V)
Scanning System		Progressive Scan	Progressive Scan	Progressive Scan
Menu Control		-	-	-
Sync. Mode		Internal	Internal	Internal
Infrared Cut Filter		Auto / Day (Color) / Night (Mono)	Auto / Day (Color) / Night (Mono)	Auto / Day (Color) / Night (Mono)
S/N Ratio		More than 55dB (AGC off)	More than 55dB (AGC off)	More than 55dB (AGC off)
UTC		-	-	-
Auto Gain Control		Auto	Auto	Auto
White Balance		ATW / MANUAL	ATW / MANUAL	ATW / MANUAL
Shutter Time		1/30(1/25)s – 1/60,000s	1/30(1/25)s – 1/60,000s	1/30(1/25)s – 1/60,000s
Sense-Up		-	-	-
2D-WDR		Off / On	Off / On	Off / On
Back Light Compensation		Yes	Yes	Yes
3D Noise Reduction		2D DNR	2D DNR	2D DNR
Defog		-	-	-
Privacy Masking		-	-	-
CE		Yes	Yes	Yes
OSD Language		-	-	-
Video Output		AHD / CBVS / TVI / CVI	AHD / CBVS / TVI / CVI	AHD / CBVS / TVI / CVI
Operation Temperature		-10°C – +50°C (14°F – 122°F)	-10°C – +50°C (14°F – 122°F)	-40°C – +50°C (-40°F – 122°F)
IP rating / Vandal resistant rating		-	-	IP68
Window		-	-	-
Dimension		Ø128 × 100(H) mm	Ø93 × 74(H) mm	78(W) × 66.5(H) × 88(D) mm
Weight		325g	230g	325g
Power Supply		DC12V ±10%	DC12V ±10%	DC12V ±10%
Power Consumption		4.9W	4.8W	6.5W

				
Product Name				
Model		AHD705A3.6	AHD705AX4.2	AHD775AX4.2
Resolution		2,592(H) x 1,944(V) @20fps	2,592(H) x 1,944(V) @20fps	2,592(H) x 1,944(V) @20fps
Lens	Focal Length	3.6 mm	2.8–12 mm (Manual Vari-focal)	2.8–12 mm (Manual Vari-focal)
	Aperture	F2.0	F1.4	F1.4
	Angle of View	(H)72.2°(V)52.9° (D)94.3°	(H)91°–28°(V)67.5°–21.2° (D)120.8°–36°	(H)91°–28°(V)67.5°–21.2° (D)120.8°–36°
Minimum Illumination		Color : 0.025 Lux at F1.8 B/W : 0 Lux with IR LED ON	Color : 0.025 Lux at F1.4 B/W : 0 Lux with IR LED ON	Color : 0.025 Lux at F1.4 B/W : 0 Lux with IR LED ON
Infrared LED	Radiant Distance	30M	30M	50M
	Beam Spread	60°	60°	30°
	Peak Wavelength	850nm	850nm	850nm
System		-	-	-
Pick Up Element		1/2.8" CMOS Image Sensor	1/2.8" CMOS Image Sensor	1/2.8" CMOS Image Sensor
Effective Pixels		2,704(H) x 2,104(V)	2,704(H) x 2,104(V)	2,704(H) x 2,104(V)
Scanning System		Progressive Scan	Progressive Scan	Progressive Scan
Menu Control		-	-	-
Sync. Mode		Internal	Internal	Internal
Infrared Cut Filter		Auto / Day (Color) / Night (Mono)	Auto / Day (Color) / Night (Mono)	Auto / Day (Color) / Night (Mono)
S/N Ratio		More than 55dB (AGC off)	More than 55dB (AGC off)	More than 55dB (AGC off)
UTC		-	-	-
Auto Gain Control		Auto	Auto	Auto
White Balance		ATW / MANUAL	ATW / MANUAL	ATW / MANUAL
Shutter Time		1/30(1/25)s – 1/60,000s	1/30(1/25)s – 1/60,000s	1/30(1/25)s – 1/60,000s
Sense-Up		-	-	-
2D-WDR		Off / On	Off / On	Off / On
Back Light Compensation		Yes	Yes	Yes
3D Noise Reduction		2D DNR	2D DNR	2D DNR
Defog		-	-	-
Privacy Masking		-	-	-
CE		Yes	Yes	Yes
OSD Language		-	-	-
Video Output		AHD / CBVS / TVI / CVI	AHD / CBVS / TVI / CVI	AHD / CBVS / TVI / CVI
Operation 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)
IP rating / Vandal resistant rating		IP66	IP66	IP66
Window		-	-	-
Dimension		Body: 82(W) × 72.5(H) × 154(D) mm Bracket: 101(L) mm	Body: 82(W) × 72.5(H) × 154(D) mm Bracket: 101(L) mm	Body: 98.5(W) × 90(H) × 195(D) mm Bracket: 160(L) mm
Weight		530g	545g	1200g
Power Supply		DC12V ±10%	DC12V ±10%	DC12V ±10%
Power Consumption		9.3W	7W	11W

Product Name		4CH AHD DVR	8CH AHD DVR	16CH AHD DVR	4CH AHD DVR	8CH AHD DVR	16CH AHD DVR
							
Model		DHD6104	DHD6108	DHD6216	DHD5104	DHD5108	DHD5216
Video Input	Supports Input	AHD / Analog camera 4 CH	AHD / Analog camera 8 CH	AHD / Analog camera 16 CH	AHD / Analog camera 4 CH	AHD / Analog camera 8 CH	AHD / Analog camera 16 CH
	Simulation HD / Analog Camera Input Resolution	AHD/TVI 5MP, CVI 4MP, 1080P and analog camera D1/960H			AHD and Analog camera D1/960H		
	Simulation HD / Analog Camera Maximum Input Frame Rate	5M 60 / 50 FPS · 4M 60 / 50 FPS 1080P 120 / 100 FPS · 720P 120 / 100 FPS · 960H 120 / 100 FPS	5M 120 / 100 FPS · 4M 120 / 100 FPS · 1080P 240 / 200 FPS · 720P 240 / 200 FPS · 960H 240 / 200 FPS	5M 240 / 200 FPS · 4M 240 / 200 FPS · 1080P 480 / 400 FPS · 720P 480 / 400 FPS · 960H 480 / 400 FPS	5M 50 / 50 FPS · 4M 60 / 50 FPS · 1080P 120 / 100 FPS · 720P 120 / 100 FPS · 960H 120 / 100 FPS	5M 100 / 100 FPS · 4M 120 / 100 FPS · 1080P 240 / 200 FPS · 720P 240 / 200 FPS · 960H 240 / 200 FPS	5M 200 / 200 FPS · 4M 240 / 200 FPS · 1080P 480 / 400 FPS · 720P 480 / 400 FPS
	Network Camera Resolution	5M / 4M / 3M / 1080P / 720P			Up The Coax AHD camera supported		
	Network Camera Maximum Input Frame Rate	Single Channel 5M 15 FPS / 4M 20 FPS / 3M 15 FPS / 1080P 30 FPS			-		
Video Output	Output	HDMI, VGA 1080P	HDMI 4K, VGA 1080P	HDMI 4K, VGA 1080P	HDMI, VGA 1080P	HDMI 4K, VGA 1080P	HDMI 4K, VGA 1080P
	Split Screen	1 / 4 split division, sequence mode, freeze	1 / 4 / 6 / 8 / 9 split division, sequence mode, freeze	1 / 4 / 6 / 8 / 9 / 12 / 13 / 16 split division, sequence mode, freeze	1 / 4 split division, sequence mode, freeze	1 / 4 / 6 / 8 / 9 split division, sequence mode, freeze	1 / 4 / 6 / 8 / 9 / 12 / 13 / 16 split division, sequence mode, freeze
	Digital Zoom	Up to 64x on live and playback					
	Privacy Mask	-					
Recording	Encode Format	-			H.264 / H.265		
	Resolution	CIF ~ 5M					
	Simulation HD / Analog Camera Maximum Recording Frame Rate	5M 25 / 25 FPS · 4M 30 / 25 FPS 1080P 60 / 50 FPS · 720P 120 / 100 FPS · 960H 120 / 100 FPS	5M 50 / 50 FPS · 4M 60 / 50 FPS 1080P 120 / 100 FPS · 720P 240 / 200 FPS · 960H 240 / 200 FPS	5M 100 / 100 FPS · 4M 120 / 100 FPS 1080P 240 / 200 FPS · 720P 480 / 400 FPS · 960H 480 / 400 FPS	5M 25 / 25 FPS · 4M 30 / 25 FPS 1080P 60 / 50 FPS · 720P 120 / 100 FPS · 960H 120 / 100 FPS	5M 50 / 50 FPS · 4M 60 / 50 FPS 1080P 120 / 100 FPS · 720P 240 / 200 FPS · 960H 240 / 200 FPS	5M 100 / 100 FPS · 4M 120 / 100 FPS 1080P 240 / 200 FPS · 720P 480 / 400 FPS · 960H 480 / 400 FPS
	Recording Mode	Continue, Schedule, Event			Manual, schedule (continue, event, none)		
	Recording Schedule	Each channel 7day × 24 hours time table, recording mode configurable					
	Alarm Event Actions	Motion grid (20×12, multi-level sensitivities) / DI					
Playback	Alarm Notification	Alarm notification iOS · android / E-Mail / FTP / buzzer / DO					
	Search	Alarm event / Operation event / System event / Meta data event / Time search					
	Display Resolution	4CH synchronous playback	8CH synchronous playback	16CH synchronous playback	4CH synchronous playback	8CH synchronous playback	16CH synchronous playback
Storage	Internal HDD	1 × 3.5" HDD, 12TB supported	1 × 3.5" HDD, 12TB supported	2 × 3.5" HDD, 12TB supported	1 × 3.5" HDD, 8TB supported	2 × 3.5" HDD, 8TB supported	
	Backup	Up to 128 GB supported (FAT32)			Up to 32 GB supported		
Audio	USB Flash Disk	Via HTTP / FTP					
	Network Backup	Up to 128 GB supported (FAT32)					
Network	Analog Audio Input	4 CH, RCA × 4	8 CH, RCA × 8	16 CH, RCA × 8, D-Sub x 1	4 CH, RCA × 4	8 CH, RCA × 8	16 CH, RCA × 8, D-Sub 15 x 1
	Audio Output	1 CH, RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)			RCA × 1 (0.7Vp-p, 300 Hz to 3KHz)		
	Ports	RJ-45 100Mbps × 1	RJ-45 100Mbps × 1	RJ-45 Gigabit Ethernet × 1	RJ-45 100Mbps × 1	RJ-45 100Mbps × 1	RJ-45 Gigabit Ethernet × 1
Software	Protocols	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / FTP / DNS / DDNS / PPPoE / NTP / DHCP / RTSP / RTP / RTCP / P2P					
	Web	Direct internet browser access / Multiple users access					
	P2P	Support (included)			QR Code APP scan / UID connection (Optional)		
	Mobile Phone	iOS / Android supported					
System	VMS	Navigator					
	Backup / Playback	Remote Playback Manager / Backupman, multiple DVRs file download and multi-channel playback					
	Reports	Alarm event, operation, configuration and system execution log full reports exporting over HTTP or USB					
	Authentication	User authentication with feature configurable and IP address blocking					
	Language	Arabic, Chinese(Traditional), Chinese(Simplified), English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish					
Accessories	HDD Inspection	S.M.A.R.T monitoring / File system de-fragmentation/ IO read write error					
	Recorded Reserve Time	1~365days					
	Time	Daylight saving / NTP / External USB GPS time sync					
Others	Mouse	Mouse click, drag and scroll					
	Remote Controller	IR Remote controller (Optional)					
Power and Working Environment	PTZ Protocols	UTC AHD/ TVI/ CVI camera supported			RS-485 × 1, MLP1 · MLP2 · PELCO D · PELCO P		
	UTC	Up The Coax AHD camera supported					
	CPU	ARM Cortex A9 Dual Core	ARM Cortex A9 Dual Core	ARM Cortex A53 Dual Core	ARM Cortex A7 Dual Core	ARM Cortex A7 Dual Core	ARM Cortex A9 Dual Core
	OS	Embedded Linux Kernel 4.9			Embedded Linux Kernel 3.18		
Power and Working Environment	WDT	Hardware watchdog timer					
	Power	Adapter DC 12V, 3A, 36W × 1	Adapter DC 12V, 3A, 36W × 1	Adapter DC 12V, 5A, 60W × 1	Adapter DC 12V, 3A, 36W × 1	Adapter DC 12V, 3A, 36W × 1	Adapter DC 12V, 5A, 60W × 1
	Operating Temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
	Operating Humidity	5% ~ 80%	5% ~ 80%	5% ~ 80%	5% ~ 80%	5% ~ 80%	5% ~ 80%
	Dimension (W×L×H)	360× 316× 60 mm	360× 316× 60 mm	360× 316× 60 mm	360× 316× 60 mm	360× 316× 60 mm	360× 316× 60 mm
Weight	≈2.1 kg (Without hard drive)	≈ 2.2 kg (Without hard drive)	≈ 2.4 kg (Without hard drive)	≈ 2.4 kg (Without hard drive)	≈ 3 kg (Without hard drive)	≈ 3 kg (Without hard drive)	

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				

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	IPS4184E IPS4188E PSD4624EX20 PSD4624EX30 PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30	IPS4184E IPS4188E PSD4624EX20 PSD4624EX30 PSR5024EX20 PSR5024EX30 PSR5520EX25 PSR5520EX30	IPS2102E IPS3102E IPSS180E IPSS184 IPSS188 IPSS200E IPSS200EA IPSS204A IPSS208A IPSS300E	IPS5300EA IPS5304A IPS5308A MR652B P2R6522E2 P2R6522E4 P2R6522E2 P2R6522E4 P3R6522E2 P5R6522E2	P5R6552E2 Z2R6522X Z2R6552X Z3R6522X Z5R6522X Z5R6552X Z5R6552X 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.



Z7 R 8 1 8 2 X 3 - P	
Z7	Camera series
R	Camera type
81	Form factor
8	Resolution level
2	Power supply
X3-P	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)
	Z7	H.265 Auto Focus camera
	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-P	2.8 – 12mm Varifocal lens, P-iris
	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.



MERIT LILIN USA CORPORATION

11836 Clark St

Arcadia, CA 91006

Tel : 1-626-930-1000

E-mail : info@meritlilin.us

www.meritlilin.com

LILIN International Offices:

Taiwan-----

TEL : +886 2 2298 8988

E-mail : sales@meritlilin.com

Australia -----

TEL : +61 2 9646 4878 (NSW)

E-mail : sales@lilin.com.au

China -----

TEL : +86 20 8226 5182

E-mail : gzlilin@meritlilin.com.cn

Hong Kong -----

TEL : +852 2889 2862

E-mail : roger@meritlilinhk.com

India -----

TEL : +91 11 4168 1688

E-mail : pema@meritlilin.com.tw

Italy -----

TEL : +39 0542 781594

E-mail : info@meritlilin.it

Malaysia -----

TEL : +60 3 6274 5066

E-mail : sales@lilin.com.my

Spain -----

TEL : +34 90 210 85 33

E-mail : info@meritlilinspain.com

UK -----

TEL : +44 01908 443660

E-mail : uk@meritlilin.com

About Merit LILIN USA Corporation

Merit LILIN USA Corporation is a US-based company founded in 1990 and is a subsidiary of Merit LILIN Ent Co., Ltd. based in New Taipei City, Taiwan. LILIN is a Global Manufacturer of IP, Analog surveillance cameras, recording devices, and software with over 40 years of experience. Throughout the years, the company has established and dedicated ourselves to carry on with Creativity, Progress, and Excellence.

Merit LILIN USA Corporation offers NDAA-Compliant solutions and the full support you need. Our Sales team, Technical Support Operations, and our Engineer teams are here in Los Angeles, California to assist you.

70-IPS0121-EN

