



# SOLUTIONS BROCHURE

2024

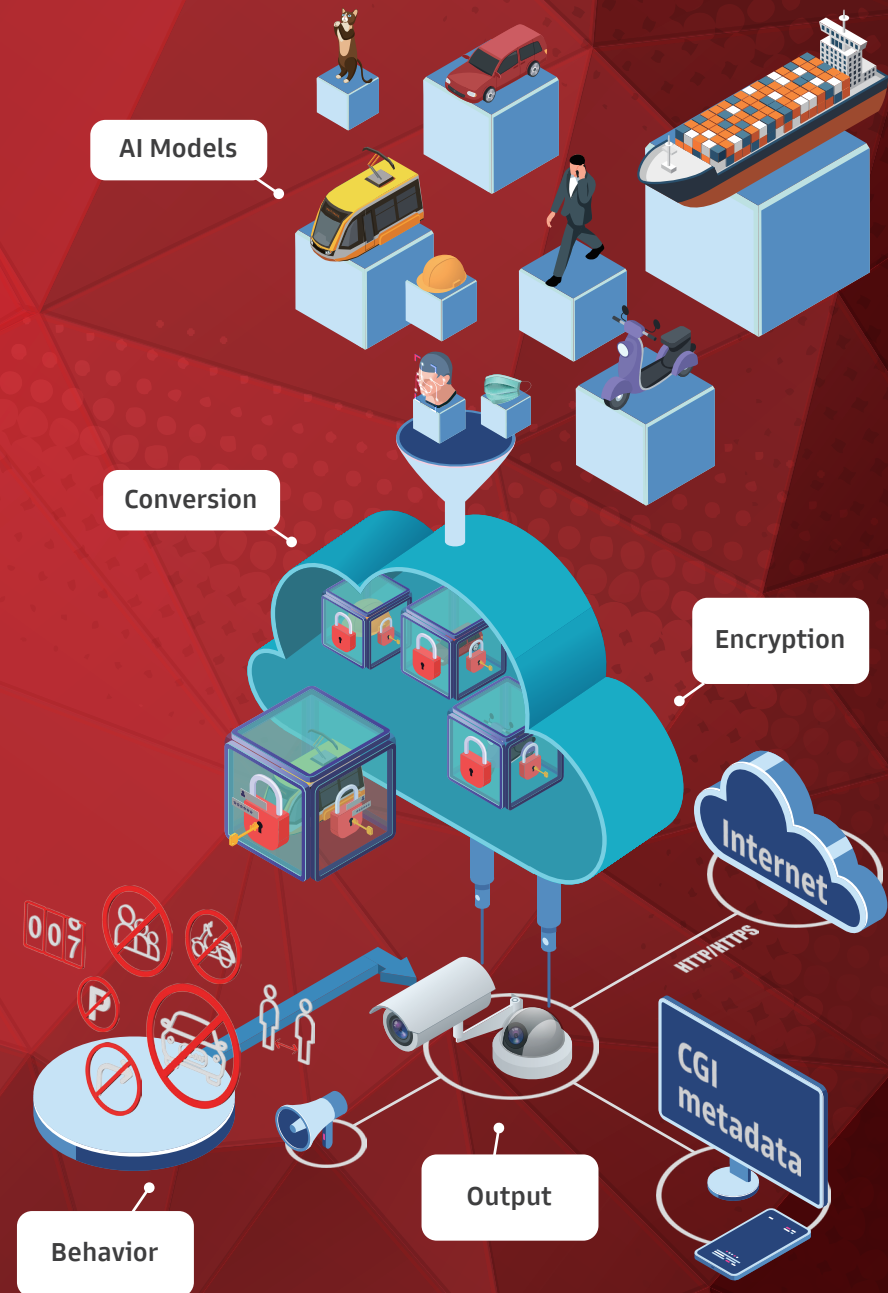


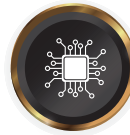
# MODULIZED AI MODELS

If AI models could be directly running on cameras, there would be no need for extra computers.

LILIN Self+AI model conversion cloud allows integration of various AI features like object recognition and behavior detection.

Cameras can even draw warning zones. Direct communication with peripherals enables tasks like opening gates for whitelisted vehicles, simplifying AIoT setups.





**EDGE AI**  
Image Recognition



**FLEXIBLE**  
Model Conversion



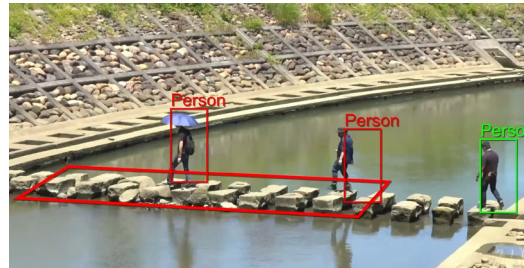
**BEHAVIOR**  
Event Detect

# SATISFYING DIVERSE ENVIRONMENTS

By leveraging object recognition and behavior detection, a myriad of specialized applications can be crafted.

LILIN's 7 Series AI cameras have garnered widespread adoption in domains such as traffic enforcement, public safety, and industrial automation, earning acclaim and validation within vertical markets.

With a streamlined and robust intelligent recognition framework, significant cost reductions are achieved in installation, wiring, and upkeep. Furthermore, seamless integration with peripheral equipment is effortlessly facilitated.



## Virtual Fence

Drawing lines on the screen to define alert and non-alert zones allows for event triggering. This setup facilitates the detection of entry, exit, loitering, lost items, and the designation of 'cold zones' to prevent false alarms.



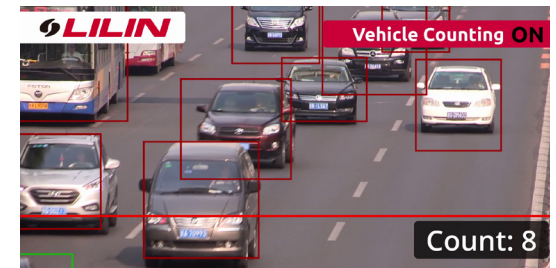
## Lost or Forget

Object disappearance or the appearance of unidentified objects can trigger alerts using AI cameras, combining object and behavior recognition.



## Safety

Ensuring worker safety by detecting compliance with safety gear like helmets, vests, and masks in designated areas. Logical conditions can determine variations such as correct, incorrect, or absent wear, all through behavior detection.



## Counting

Monitoring parking capacity, personnel count, and regulating access provide crucial business insights.

Monitored data with periodic counter resets offers precise segmentation.

# Z7 4K H.265 Camera



Model	Z7R6482X3-P	Z7R8182X3-P	Z7R8182X2-P	Z7R8182X10-P	Z7R8082EX25	Z7R8082EX30
Resolution	4K ( D & N )	4K ( D & N )	4K ( D & N )	4K ( D & N )	4K ( D & N )	4K ( D & N )
Focal length	2.8~12mm	2.8~12mm	6~22mm	5 – 50mm	5.3 (WIDE) – 132.5 (TELE) mm	4.94 (WIDE) – 148.2 (TELE) mm
Aperture	F 1.6(W) - F 3.3(T)	F 1.6(W) - F 3.3(T)	F 1.6(W) - F 3.3(T)	F 2.0	F1.6(Wide) – F4.3(Tele)	F1.3(Wide) – F4.8(Tele)
Angle of view (H)	108.0° (W) - 31.5° (T)	108.0° (W) - 31.5° (T)	42.8° (W) - 18.3° (T)	41.8° (W) – 6.4° (T)	60.4°(W) – 2.9°(T)	59.8°(W) – 2.1°(T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	3864 × 2176	3864 × 2176	3864 × 2176	3864 × 2176	3864 × 2176	3864 × 2176
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 : 0.04 Lux at F1.6 B/W : 0.008 Lux at F1.6 0 Lux with IR LED ON	Color : 0.05 Lux at F2.0 B/W : 0.01 Lux at F2.0 0 Lux with IR LED ON	Color : 0.04 lux at F1.3 B/W : 0.009 lux at F1.3	Color : 0.04 lux at F1.3 B/W : 0.009 lux at F1.3
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	30M	55M	55M	55M	100M	100M
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 140dB	Up to 140dB	Up to 140dB	Up to 140dB	Up to 140dB	Up to 140dB
2D WDR	-	-	-	-	-	-
IVS Advanced 2.0	-	-	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones	16 zones	16 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 / Global Counter / Virtual Input / Metadata	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 / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP68 / IK10	IP68 / IK10	IP68 / 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)	-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% (Terminal connector) / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE+ (IEEE 802.3at)
Power consumption	DC12V, 9.5W / PoE, 10.6W	DC12V, 13.2W / PoE+, 14.0W	DC12V, 13.1W / PoE+, 14.9W	DC12V, 13.1W / PoE+, 14.9W	DC12V, 15.9W / PoE+, 18.3W	DC12V, 15.9W / PoE+, 18.3W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
ONVIF	ONVIF Profile S&T&G	ONVIF Profile S&T&G	ONVIF Profile S&T&G	ONVIF Profile S	ONVIF Profile S	ONVIF Profile S
Others	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •P-IRIS supported	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •P-IRIS supported	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •P-IRIS supported	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •P-IRIS supported	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •RS-485 supported	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •RS-485 supported

# Z7 4K&5MP H.265 Camera



Model	Z7R8052EX25	Z7R8052EX30	Z7R8082X10-P
Resolution	5MP (D & N)	5MP (D & N)	4K (D & N)
Focal length	5.3~132.5mm	4.9~148.2mm	5~50mm
Aperture	F 1.6(W) - F 4.3(T)	F 1.3(W) - F 4.8(T)	F 1.6
Angle of view (H)	56.7° (W) - 3.2° (T)	57.3° (W) - 2.5° (T)	41.8° (W) - 6.4° (T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	2616 × 1964	3864 × 2176
Min. illumination	Color : 0.07 Lux at F1.6 B/W : 0.001 Lux at F1.6 0 Lux with IR LED ON	Color : 0.02 Lux at F1.6 B/W : 0.008 Lux at F1.6 0 Lux with IR LED ON	Color : 0.05 Lux at F1.6 B/W : 0.01 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS
Max. IR distance	100M	40M	100M
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
Streams	4	4	4
Sense up +	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported
HDR	Up to 140dB	Up to 140dB	Up to 140dB
2D WDR	-	-	-
IVS Advanced 2.0	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-
Privacy masking	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
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)
Power supply	DC12V ±10% (Terminal connector) / PoE s(IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE (IEEE 802.3at)	DC12V ±10% (Terminal connector) / PoE (IEEE 802.3at)
Power consumption	DC12V, 15.9W / PoE+, 18.3W	DC12V, 15.9W / PoE+, 18.3W	DC12V, 18.2W / PoE+, 19.3W
Mobile phone	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
ONVIF	ONVIF Profile S&T&G	ONVIF Profile S&T&G	ONVIF Profile S&T&G
Others	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •P-IRIS supported	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •P-IRIS supported	•Digital zoom & ePTZ •Micro SD / SDHC / SDXC card •P-IRIS supported

# Z6 5MP H.265 Camera



Model	Z6R6452X3	Z6R6552X3
Resolution	5MP ( D & N )	5MP ( D & N )
Focal length	2.8~12mm	2.8~12mm
Aperture	F1.6 (W) – F2.8 (T)	F1.6 (W) – F2.8 (T)
Angle of view (H)	102.3° (W) – 36.9° (T)	102.3° (W) – 36.9° (T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	2616 × 1964
Min. illumination	Color: 0.09 Lux at F1.6 ; B/W: 0.02 Lux at F1.6 ; 0 Lux with IR LED ON	Color: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	25 FPS
Max. IR distance	30M	35M
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
Streams	3	3
Sense up +	Supported	Supported
3D noise reduction	Supported	Supported
HDR	Up to 140dB	Up to 140dB
2D WDR	Supported	Supported
IVS Advanced 2.0	-	-
IVS Advanced 2.1 (Optional)	-	-
Privacy masking	4 zones	4 zones
Digital I/O	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
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10
Operating temperature	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power consumption	DC12V, 9.1W / PoE, 10.3W	DC12V, 8.2W / PoE, 9.2W
Mobile phone	iOS, Android	iOS, Android
Mobile phone	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	One-way Audio, G.711 u-law / AAC, Built-in Microphone
ONVIF	ONVIF Profile S , T , G supported	ONVIF Profile S , T , G supported
Others	•Micro SD / SDHC / SDXC card •Defog Function	•Micro SD / SDHC / SDXC card •Defog Function

# Z6 5MP H.265



Model	Z6R8952X3	Z6R6452X3
Resolution	5MP ( D & N )	5MP ( D & N )
Focal length	2.8~12mm	2.8~12mm
Aperture	F1.6 (W) – F2.8 (T)	F1.6 (W) – F2.8 (T)
Angle of view (H)	102.3° (W) – 36.9° (T)	102.3° (W) – 36.9° (T)
Pick up element	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	2616 × 1964
Min. illumination	Color: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON	Color: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	25 FPS
Max. IR distance	35M	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
Streams	3	3
Sense up +	Supported	Supported
3D noise reduction	Supported	Supported
HDR	Up to 140dB	Up to 140dB
2D WDR	Supported	Supported
IVS Advanced 2.0	-	-
IVS Advanced 2.1 (Optional)	-	-
Privacy masking	4 zones	4 zones
Digital I/O	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
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10
Operating temperature	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power consumption	DC12V, 8.5W / POE, 10W	DC12V, 9.1W / PoE, 10.3W
Mobile phone	iOS, Android	iOS, Android
Mobile phone	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
ONVIF	ONVIF Profile S, T, G supported	ONVIF Profile S, T, G supported
Others	•Micro SD / SDHC / SDXC card •Defog Function	•Micro SD / SDHC / SDXC card •Defog Function

# Z6 5MP H.265 Camera



Model	Z6R6552X3	Z6R8952X3	Z6R8152X3-P	Z6R8152X10-P
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	2.8~12mm	2.8~12mm	2.8~12mm	5~50mm
Aperture	F1.6 (W) – F2.8 (T)	F1.6 (W) – F2.8 (T)	F1.6 (W) – F3.3 (T)	F1.6
Angle of view (H)	102.3° (W) – 36.9° (T)	102.3° (W) – 36.9° (T)	102.8° (W) – 32° (T)	52.1° (W) – 10.6° (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: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON	Color: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON	Color: 0.1 Lux at F1.6 B/W: 0.03 Lux at F1.6 0 Lux with IR LED ON	Color: 0.15 Lux at F1.6 B/W: 0.03 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	25 FPS	25 FPS	25 FPS
Max. IR distance	35M	35M	55M	55M
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	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 140dB	Up to 140dB	Up to 140dB	Up to 140dB
2D WDR	Supported	Supported	Supported	Supported
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	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 / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP68 / IK10	IP68 / IK10
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)
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE+ (IEEE 802.3at compliant)	DC12V ±10% / PoE+ (IEEE 802.3at compliant)
Power consumption	DC12V, 8.2W / PoE, 9.2W	DC12V, 8.5W / POE, 10W	DC12V, 14.6W / PoE+, 15.9W	DC12V, 14.9W / PoE+, 16.3W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	One-way Audio, G.711 u-law / AAC, Built-in Microphone	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G
Others	•Micro SD / SDHC / SDXC card	•Micro SD / SDHC / SDXC card	•Micro SD / SDHC / SDXC card	•Micro SD / SDHC / SDXC card



# P6 5MP H.265 Camera



Model	P6R6352E2	P6R6552E2	P6R8852E2	P6R3752E2
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	2.8mm	2.8mm	2.8mm	2.8mm
Aperture	F1.6	F1.6	F1.6	F1.6
Angle of view (H)	110.3°	110.3°	110.3°	110.3°
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: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON	Color: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON	Color: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON	Color: 0.09 Lux at F1.6 B/W: 0.02 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	25 FPS	25 FPS	25 FPS
Max. IR distance	30M	35M	35M	
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	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 140dB	Up to 140dB	Up to 140dB	Up to 140dB
2D WDR	Supported	Supported	Supported	Supported
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	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 / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / IK10
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)
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power consumption	DC12V, 7.5W / PoE, 8.5W	DC12V, 7.4W / PoE, 8.2W	DC12V, 7.9W / PoE, 8.9W	DC 12V, 7.4W / PoE, 10W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	One-way Audio, G.711 u-law / AAC, Built-in Microphone	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	One-way Audio, G.711 u-law / AAC, Built-in Microphone
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G

# P6 4K H.265 Camera



EN50155



EN50155



EN50155



EN50155

Model	P6R3782AE2	P6R3782AE4	P6R3782BE2	P6R3782BE4
Resolution	4K (D & N)	4K (D & N)	4K (D & N)	4K (D & N)
Focal length	2.8mm	4mm	2.8mm	4mm
Aperture	F1.6	F1.6	F1.6	F1.6
Angle of view (H)	105.7°	86.1°	105.7°	86.1°
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	3864 × 2176	3864 × 2176
Min. illumination	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	15M	15M	15M	15M
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	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 140dB	Up to 140dB	Up to 140dB	Up to 140dB
2D WDR	Supported	Supported	Supported	Supported
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	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 / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP6K9K / IK10	IP6K9K / IK10
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)
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power consumption	DC 12V, 7.4W / PoE, 10W	DC 12V, 7.4W / PoE, 10W	DC 12V, 7.4W / PoE, 10W	DC 12V, 7.4W / PoE, 10W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	One-way Audio, G.711 u-law / AAC, Built-in Microphone	One-way Audio, G.711 u-law / AAC, Built-in Microphone	--	--
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G

# P6 4K H.265 Camera



EN50155



EN50155



EN50155



EN50155

Model	P6R3780AE2	P6R3780AE4	P6R3780BE2	P6R3780BE4
Resolution	4K (D & N)	4K (D & N)	4K (D & N)	4K (D & N)
Focal length	2.8mm	4mm	2.8mm	4mm
Aperture	F1.6	F1.6	F1.6	F1.6
Angle of view (H)	105.7°	86.1°	105.7°	86.1°
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	3864 × 2176	3864 × 2176
Min. illumination	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	30 FPS	30 FPS	30 FPS	30 FPS
Max. IR distance	15M	15M	15M	15M
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	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 140dB	Up to 140dB	Up to 140dB	Up to 140dB
2D WDR	Supported	Supported	Supported	Supported
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata a	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP6K9K / IK10	IP6K9K / IK10
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)
Power supply	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)
Power consumption	PoE, 10W (M12)	PoE, 10W (M12)	PoE, 10W (M12)	PoE, 10W (M12)
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	One-way Audio, G.711 u-law / AAC, Built-in Microphone	One-way Audio, G.711 u-law / AAC, Built-in Microphone	--	--
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G

# P6 4K H.265 Camera



<b>Model</b>	<b>P6R3782E2 / P6R3782E4</b>
Resolution	4K (D & N)
Focal length	2.8mm / 4mm
Aperture	F1.6
Angle of view (H)	105.7° / 86.1°
Pick up element	1/2.8" CMOS
Effective pixels	3864 × 2176
Min. illumination	Color : 0.09 Lux at F1.6 B/W : 0.02 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	30 FPS
Max. IR distance	15M
Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Streams	3
Sense up +	Supported
3D noise reduction	Supported
HDR	Up to 140dB
2D WDR	Supported
IVS Advanced 2.0	-
IVS Advanced 2.1 (Optional)	-
Privacy masking	4 zones
Digital I/O	1 / 1
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10
Operating temperature	-30°C – +50°C (-22°F – 122°F)
Power supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power consumption	DC 12V, 7.4W / PoE, 10W
Mobile phone	iOS, Android
Audio capability	One-way Audio, G.711 u-law / AAC, Built-in Microphone
ONVIF	ONVIF Profile S, T, G

# V1R Camera



Model	V1R4452AE2	V1R4552AX3	V1R6052AE2	V1R6052AX3
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	2.8mm	2.8~12mm	2.8mm	2.8~12mm
Aperture	F2.2	F1.6 (W) – F3.1 (T)	F2.2	F1.6 (W) – F3.1 (T)
Angle of view (H)	108.9°	107.6°	108.9°	107.6°
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: 0.16 Lux at F2.2 B/W: 0.02 Lux at F2.2 0 Lux with IR LED ON	Color: 0.1 Lux at F1.6 B/W: 0.01 Lux at F1.6 0 Lux with IR LED ON	Color: 0.16 Lux at F2.2 B/W: 0.02 Lux at F2.2 0 Lux with IR LED ON	Color: 0.1 Lux at F1.6 B/W: 0.01 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	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
Streams	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 120dB	Up to 120dB	Up to 120dB	Up to 120dB
2D WDR	Supported	Supported	Supported	Supported
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	1 / 1	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 / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP66 / IK10	IP66 / IK10
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)
Power supply	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)
Power consumption	POE, 5.7W	POE, 9.2W	POE, 7.3W	POE, 8.4W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio, G.711 u-law / PCM / AAC, Built-in Microphone	Two-way Audio, G.711 u-law / PCM / AAC, Built-in Microphone	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G

# V1R Camera



Model	V1R9452AE2	V1R9552AX3	V1R4452E2	V1R4552X3
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	2.8mm	2.8~12mm	2.8mm	2.8~12mm
Aperture	F2.2	F1.6 (W) – F3.1 (T)	F2.2	F1.6 (W) – F3.1 (T)
Angle of view (H)	108.9°	107.6°	108.9°	107.6°
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: 0.16 Lux at F2.2 B/W: 0.02 Lux at F2.2 0 Lux with IR LED ON	Color: 0.1 Lux at F1.6 B/W: 0.01 Lux at F1.6 0 Lux with IR LED ON	Color: 0.16 Lux at F2.2 B/W: 0.02 Lux at F2.2 0 Lux with IR LED ON	Color: 0.1 Lux at F1.6 B/W: 0.01 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	25 FPS	25 FPS	25 FPS
Max. IR distance	35M	55M	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	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 120dB	Up to 120dB	Up to 120dB	Up to 120dB
2D WDR	Supported	Supported	Supported	Supported
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	1 / 1	1 / 1	-	-
Event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / IK10
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)
Power supply	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)
Power consumption	POE, 6.9W	POE, 9.9W	POE, 5.7W	POE, 9.2W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	-	-
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G

# V1R Camera



Model	V1R6052E2	V1R6052X3	V1R9452E2	V1R9552X3
Resolution	5MP (D & N)	5MP (D & N)	5MP (D & N)	5MP (D & N)
Focal length	2.8mm	2.8~12mm	2.8mm	2.8~12mm
Aperture	F2.2	F1.6 (W) – F3.1 (T)	F2.2	F1.6 (W) – F3.1 (T)
Angle of view (H)	108.9°	107.6°	108.9°	107.6°
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: 0.16 Lux at F2.2 B/W: 0.02 Lux at F2.2 0 Lux with IR LED ON	Color: 0.1 Lux at F1.6 B/W: 0.01 Lux at F1.6 0 Lux with IR LED ON	Color: 0.16 Lux at F2.2 B/W: 0.02 Lux at F2.2 0 Lux with IR LED ON	Color: 0.1 Lux at F1.6 B/W: 0.01 Lux at F1.6 0 Lux with IR LED ON
FPS at max. resolution	25 FPS	25 FPS	25 FPS	25 FPS
Max. IR distance	30M	30M	35M	55M
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	3	3	3	3
Sense up +	Supported	Supported	Supported	Supported
3D noise reduction	Supported	Supported	Supported	Supported
HDR	Up to 120dB	Up to 120dB	Up to 120dB	Up to 120dB
2D WDR	Supported	Supported	Supported	Supported
IVS Advanced 2.0	-	-	-	-
IVS Advanced 2.1 (Optional)	-	-	-	-
Privacy masking	4 zones	4 zones	4 zones	4 zones
Digital I/O	-	-	-	-
Event triggers	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP66 / IK10	IP66 / IK10	IP67 / IK10	IP67 / IK10
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)
Power supply	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)
Power consumption	POE, 7.3W	POE, 8.4W	POE, 6.9W	POE, 9.9W
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	-	-	-	-
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G	ONVIF Profile S, T, G

A nighttime cityscape with several tall buildings. The sky is dark with a large, bright, white cloud illuminated from below. The buildings have some lights on, and there are some red and green lights visible in the distance.

# FULL COLOR AT NIGHT

Preventing crime in low-light conditions is made possible with LILIN dual-light cameras.

Through AI recognition, these cameras detect intrusions and activate white LED lights, providing clear, full-color images at night.

The bright LED light serves as both illumination and a deterrent, signaling surveillance and enhancing visibility for authorized personnel.





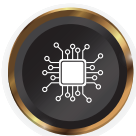
**Normal Time**



**Triggered**

Displaying full-color images at night is challenging. Typically, grayscale images are obtained using red light IR LEDs, providing brightness but lacking true colors. Additionally, continuous color display can be resource-intensive, especially in static environments, where black and white images are more efficient for transmission and storage.

Dual-source cameras address both issues. They primarily display and record in black and white, conserving resources. When detecting intrusions, they activate white LED lights to restore color images and illuminate the area, offering practicality and efficiency.



**EDGE AI**  
Image Recognition



**SWITCH**  
AI Color Mode



**WHITE LIGHT**  
DETERRENT



**White Light**  
Untriggered



**White Light**  
Triggered

# V1W Camera



Model	V1W4452E2	V1W4552X3
Resolution	5MP ( D & N )	5MP ( D & N )
Focal length	2.8mm	2.8~12mm
Aperture	F1.3	F1.6 (W) – F3.1 (T)
Angle of view (H)	111.5°	107.6°
Pick up element	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	2616 × 1964
Min. illumination	Color : 0.06 Lux at F1.3 B/W : 0.007 Lux at F1.3 0 Lux with Light LED ON	Color: 0.1 Lux at F1.6 B/W: 0.01 Lux at F1.6 0 Lux with Light LED ON
FPS at max. resolution	25 FPS	25 FPS
Max. IR distance	15M	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
Streams	3	3
Sense up +	Supported	Supported
3D noise reduction	Supported	Supported
HDR	Up to 120dB	Up to 120dB
2D WDR	Supported	Supported
IVS Advanced 2.0	-	-
IVS Advanced 2.1 (Optional)	-	-
Privacy masking	4 zones	4 zones
Digital I/O	-	-
Event triggers	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10
Operating temperature	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)
Power supply	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)
Power consumption	POE, 5.7W	POE, 8.0W
Mobile phone	iOS, Android	iOS, Android
Audio capability	-	-
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G

# V1W Camera



Model	V1W9452E2	V1W9552X3
Resolution	5MP ( D & N )	5MP ( D & N )
Focal length	2.8mm	2.8~12mm
Aperture	F1.3	F1.6 (W) – F3.1 (T)
Angle of view (H)	111.5°	107.6°
Pick up element	1/2.8" CMOS	1/2.8" CMOS
Effective pixels	2616 × 1964	2616 × 1964
Min. illumination	Color : 0.06 Lux at F1.3 B/W : 0.007 Lux at F1.3 0 Lux with Light LED ON	Color: 0.1 Lux at F1.6 B/W: 0.01 Lux at F1.6 0 Lux with Light LED ON
FPS at max. resolution	25 FPS	25 FPS
Max. IR distance	30M	35M
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
Streams	3	3
Sense up +	Supported	Supported
3D noise reduction	Supported	Supported
HDR	Up to 120dB	Up to 120dB
2D WDR	Supported	Supported
IVS Advanced 2.0	-	-
IVS Advanced 2.1 (Optional)	-	-
Privacy masking	4 zones	4 zones
Digital I/O	-	-
Event triggers	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata	Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata
IP rating / Vandal resistant rating	IP67 / IK10	IP67 / IK10
Operating temperature	-30°C – +50°C (-22°F – 122°F)	-30°C – +50°C (-22°F – 122°F)
Power supply	PoE (IEEE 802.3af compliant)	PoE (IEEE 802.3af compliant)
Power consumption	POE, 6.9W	POE, 9.7W
Mobile phone	iOS, Android	iOS, Android
Audio capability	-	-
ONVIF	ONVIF Profile S, T, G	ONVIF Profile S, T, G

# NURSING HOME SOLUTION



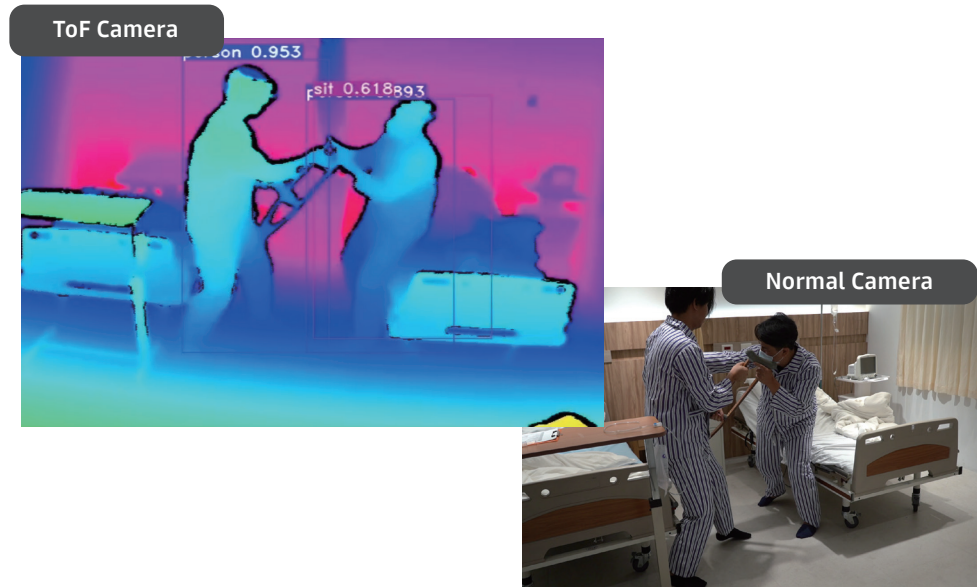
# MAKE PRIVACY FIRST

In sensitive environments such as healthcare facilities or eldercare, prioritizing detection over surveillance is crucial.

Traditional high-resolution cameras, while offering excellent image quality, may not be suitable due to privacy concerns arising from capturing detailed facial and physiological features. Moreover, the resource-intensive analysis of high-resolution images can lead to delayed event responses.

LILIN's ToF (Time of Flight) cameras offer an optimal solution. By capturing object depth rather than fine details, they present images as color blocks, requiring lower resolution and imposing minimal computational burden for swift event responses.

For example, in hospital settings, ToF cameras can promptly detect if a patient appears unsteady while walking and alert caregivers accordingly.



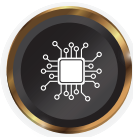
## What's ToF?

ToF (Time of Flight) technology measures the flight time of light pulses.

When a light pulse is emitted from the camera and reflects off an object, spatial information is calculated based on the time it takes using mathematical formulas.

Because ToF cameras capture non-visible light, they can operate in completely dark environments. This makes them suitable for light-sensitive environments like warehouses (where items may degrade with exposure to light) or indoor spaces where lights are kept off for energy conservation.

ToF cameras offer high privacy, making them versatile beyond healthcare applications. For example, in confidential meetings, participants' lip movements are not easily discernible, safeguarding the confidentiality of discussions. Additionally, sensitive information on objects can be obscured.



**EDGE AI**  
Image Recognition



**3D**  
Depth Sensing



**LIGHTWEIGHT**  
Resource Usage

# ToF Camera



Model	<b>DS362</b>
Angle of View	62.4° (H) x 47.2° (V) x 77.2° (D)
Lens Aperture	F1.2
SoC	CV22S66
Pick Up Element	1/4.5" Sony DepthSense® IMX570
Maximum Frame Rate	15fps
Effective Pixels	640 (H) x 480 (V) = 307,200 (Pixels)
Shutter Type	Global
IP Rating	IP66
Vandal Resistant Rating	IK10
CE	Yes, EMI Class A
FCC	Yes, EMI Class A
Regulatory Approvals	Eye Safety Class 1 IEC 60825-1:2007 (Certificate)
Starting Temperature	0°C – +50°C (32°F – 122°F)
Operating Temperature	-10°C – +50°C (14°F – 122°F)
Storage Temperature	-25°C – +60°C (-13°F – 140°F)
Humidity	0% – 90% RH
Casing Material	Aluminum alloy
Color (RAL Number)	White
Dimension	150 (W) x 90 (H) x 55 (D) mm
Weight	650g
Power Supply	DC12V ±10%
Power Consumption	DC12V, 3.5A, 42W
Illumination	940nm VCSEL x 4, Class 1
Accuracy*	± 10 mm ± 0.5% of depth
Precision*	15mm
Working Range	0.3m~7. 4 meters

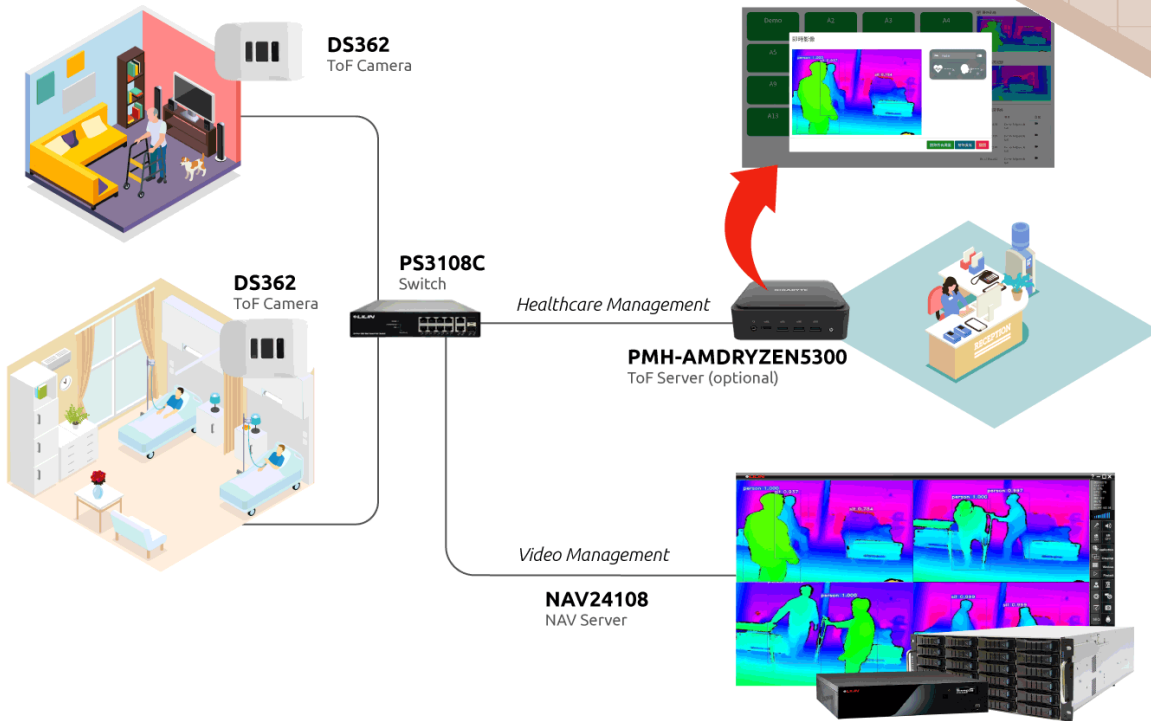
Video Compression	H.264 main and high profile , Motion JPEG
Resolution	640 x 480
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast streams in H.264 and Motion JPEG
Number of streams	2
Maximum Frame Rate	15 fps @ 640 x 480
Video Bitrate	128Kbps – 2Mbps
Security Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Address Filter	Yes
Access	Multiple user access levels with password protection
User accounts	10 user accounts available
Metadata	Yes
RTCP Check	Yes
Max number of online users	10 simultaneous users
Multi IP address	Yes
Event Triggers	Audio / Network lost detection / Global Counter / Virtual Input / Metadata
Event actions	FTP / SMTP / HTTP post / SD card / SAMBA / Alarm Output / Push Service / Global Counter / Virtual Input
Log	Event & operation log
Schedule	Support holiday list
CPU, Memory	Embedded Quad-core ARM Cortex-A53 1.0GHz CPU, 2GB LPDDR4X, 8GB e.MMC memory
OS	Embedded Linux 4.9
Video Display	LILIN Universal ActiveX & HTML5
Maintenance	Firmware update via HTTP and IP Scan, available at web site
Ethernet	10BASE-T/100BASE-TX, RJ-45
Network Protocols	IPv4, TCP, UDP, HTTP, HTTPS, QoS, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, SMTP, Multicast
Network Storage	NAS (Support SAMBA/CIFS)



## ToF Camera

DS362

The 3D ToF depth-sensing network camera serves as the core device in the ToF environment and is the primary equipment for capturing images.



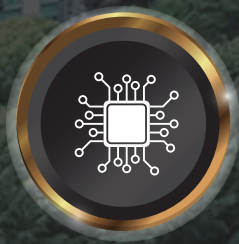
## Video Management System

NAV5.0

AI-powered control center simplifies image analysis and event management, offering smart footage retrieval without exhaustive searches.

# IMU Shock-proof

*Resistant, steady,  
clear images.*



**AI**  
Handles everything

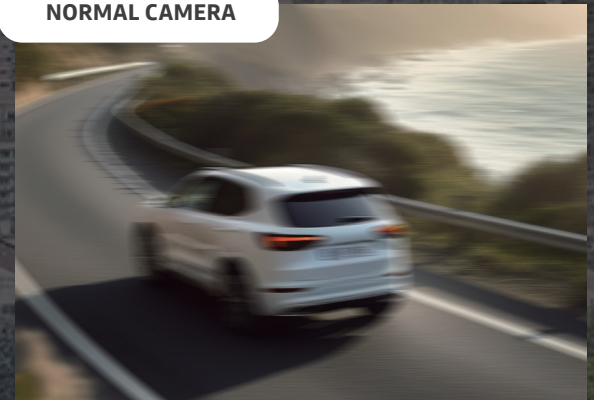


**IMU**  
Gyro Calibration



**LPR**  
Smart Traffic

NORMAL CAMERA



IMU CAMERA





Built with an integrated gyroscope and exclusive algorithms, our camera ensures exceptional image stability through both software and hardware optimization. It withstands winds of up to 60 meters per second and can endure forces of 15g vertically and 9g horizontally.

Ideal for environments prone to wind or vibration, such as ports or bridges, our IMU camera guarantees clear and stable footage even in challenging conditions.



# PTZ Camera



Model	S7R5782MX25 (IMU)	S7R5752MX25 (IMU)	S8R5722MX25 (IMU)	S8R5722PX25
Resolution	4K (D & N)	5MP (D & N)	2MP (D & N)	2MP (D & N)
Lens zoom ratio	25X Optical	25X Optical	25X Optical	25X Optical
Focal length	5.3 (WIDE) – 132.5 (TELE) mm	5.3 (WIDE) – 132.5 (TELE) mm	5.3 (WIDE) – 132.5 (TELE) mm	5.3 (WIDE) – 132.5 (TELE) mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor
Effective pixels	3864 × 2192	2616 × 1964	1945 × 1097	1945 × 1097
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	0.07 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	0.01 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.002 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0.002 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.0004 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON	0.01 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.002 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0.002 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.0004 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON
Aperture range	F1.6 – 32, Close	F1.6 – 32, Close	F1.6 – 32, Close	F1.6 – 32, Close
Max. IR distance	80m	80m	80m	80m
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	
ePTZ & Digital Zoom	- / Yes (X8)	- / Yes (X8)	- / Yes (X8)	- / Yes (X8)
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 140dB)	Supported (Up to 140dB)	Supported (Up to 120dB)	Supported (Up to 120dB)
Defog	Supported	Supported	Supported	Supported
Electronic Image Stabilization	--	--	--	--
Privacy masking	16 zone	16 zone	16 zone	16 zone
Preset	256	256	256	256
Alarm I/O	--	--	--	--
Schedule setting	Supported	Supported	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10 (Housing)	IP66 / IK10 (Housing)	IP66 / IK10 (Housing)	IP66 / IK10 (Housing)
Operating temperature	-25°C – +55°C (-13°F – +131°F)	-25°C – +55°C (-13°F – +131°F)	-25°C – +55°C (-13°F – +131°F)	-25°C – +55°C (-13°F – +131°F)
Power supply	DC12V (10VDC to 32VDC continuous operation and survive 9VDC to 36VDC without damage)	DC12V (10VDC to 32VDC continuous operation and survive 9VDC to 36VDC without damage)	DC12V (10VDC to 32VDC continuous operation and survive 9VDC to 36VDC without damage)	DC12V (10VDC to 32VDC continuous operation and survive 9VDC to 36VDC without damage)
Power consumption	DC12V, 19 W (Still, Illumination OFF) DC12V, 39 W (Motor Drive & Illumination OFF) DC12V, 47 W (Motor Drive & Illumination On)		DC12V, 19 W (Still, Illumination OFF) DC12V, 39 W (Motor Drive & Illumination OFF) DC12V, 47 W (Motor Drive & Illumination On)	DC12V, 18.6 W (Still, Illumination OFF) DC12V, 31.7 W (Motor Drive & Illumination OFF) DC12V, 46.2 W (Motor Drive & Illumination On)
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	--	--	--	--
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 T / ONVIF Profile G		ONVIF Profile S / ONVIF Profile T / ONVIF Profile G	

# PTZ Camera



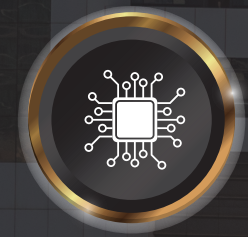
Model	S8R5724EX25	S8R5728X25	S8R5754EX25	S8R5758X25
Resolution	2MP (D & N)	2MP (D & N)	5MP (D & N)	5MP (D & N)
Lens zoom ratio	25X Optical	25X Optical	25X Optical	25X Optical
Focal length	5.3 mm – 132.5 mm	5.3 mm – 132.5 mm	5.3 mm – 132.5 mm	5.3 mm – 132.5 mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor
Effective pixels	1945 × 1097	1945 × 1097	2616 × 1964	2616 × 1964
Min. illumination	0.01 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.002 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0.002 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.0004 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON	0.01 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.002 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0.002 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.0004 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON	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	0.07 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
Aperture range	F1.6 – 32, Close	F1.3 – 32, Close	F1.6 – 32, Close	F1.3 – 32, Close
Max. IR distance	80M	80M	80M	80M
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	
ePTZ & Digital Zoom	- / Yes (X8)	- / Yes (X8)	- / Yes (X8)	- / Yes (X8)
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 120dB )	Supported (Up to 120dB )	Supported (Up to 120dB )	Supported (Up to 120dB )
Defog	Supported	Supported	Supported	Supported
Electronic Image Stabilization	--	--	--	--
Privacy masking	16 zone	16 zone	16 zone	16 zone
Preset	256	256	256	256
Alarm I/O	4 / 2	4 / 2	4 / 2	4 / 2
Schedule setting	Supported	Supported	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10 (Housing)	IP66 / IK10 (Housing)	IP66 / IK10 (Housing)	IP66 / IK10 (Housing)
Operating temperature	- 25°C – + 55°C ( - 13°F – + 131°F )	- 25°C – + 55°C ( - 13°F – + 131°F )	- 25°C – + 55°C ( - 13°F – + 131°F )	- 25°C – + 55°C ( - 13°F – + 131°F )
Power supply	AC24V ±10% / DC24V / PoE++(IEEE802.3bt)	AC100 – 240V ±10%	AC24V ±10% / DC24V / PoE++(IEEE802.3bt)	AC100 – 240V ±10%
Power consumption	AC24V, 34.7W (Motor Drive & Illumination OFF) AC24V, 46.5W (Motor Drive & Illumination On) POE++, 38.8W (Motor Drive & Illumination OFF) POE++, 48W (Motor Drive & Illumination On)	AC110-240V, 32.8W (Motor Drive & Illumination OFF) AC110-240V, 43.9W (Motor Drive & Illumination On)	AC24V, 36.7W (Motor Drive & Illumination OFF) AC24V, 47.3W (Motor Drive & Illumination On) POE++, 37.6W (Motor Drive & Illumination OFF) POE++, 49W (Motor Drive & Illumination On)	AC110-240V, 33.1W (Motor Drive & Illumination OFF) AC110-240V, 45.3W (Motor Drive & Illumination On)
Mobile phone	iOS, Android	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Micro SD/SDHC card	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported
ONVIF	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G		ONVIF Profile S / ONVIF Profile T / ONVIF Profile G	

# Ultra Long Range PTZ



With an 800-meter optical zoom and night vision capability, this PTZ high-speed dome camera is ideal for large-scale areas like ports, airports, and levees, offering clear imaging even in low light conditions.

Its AI detection feature ensures real-time tracking of targets, preventing them from escaping the frame.



**AI**

Handles Everything



**40x / 800m**

Ultra Long Range



**Rugged**

Outdoor Scenarios

# PTZ Camera



Model	S7R5558X25	S7R5558X30	S7R5888X40-L8
Resolution	5MP (D & N)	5MP (D & N)	8MP (D & N)
Lens zoom ratio	25X Optical	30X Optical	40X Optical
Focal length	5.3 (WIDE) – 132.5 (TELE) mm	4.94 (WIDE) – 148.2 (TELE) mm	6.3 mm – 252 mm
Pick up element	1/2.8" CMOS image sensor	1/2.8" CMOS image sensor	1/1.8" CMOS image sensor
Effective pixels	2616 × 1964	2616 × 1964	3856 × 2180
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, F1.3(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.008 lux (1/30 sec, F1.3(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	0.018 lux (1/30 sec, F1.4(Wide), 30IRE, AGC-Gain: 72dB ICR-OFF Color mode) 0.003 lux (1/30 sec, F1.4(Wide), 30IRE, AGC-Gain: 72dB ICR-ON B/W mode) 0.004 lux (1/8 sec, F1.4(Wide), 30IRE, AGC-Gain: 72dB ICR-OFF Color mode) 0.0007 lux (1/8 sec, F1.4(Wide), 30IRE, AGC-Gain: 72dB ICR-ON B/W mode) 0 Lux with IR LED ON
Aperture range	F1.6 – 32 , Close	F1.3 – 32 , Close	F1.4 – 32 , Close
FPS at max. resolution	30 FPS	30 FPS	30 FPS
Max. IR distance	200M	200M	800M
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
ePTZ & Digital Zoom	- / Yes (X8)	- / Yes (X8)	- / Yes (X8)
Sense Up	Supported	Supported	Supported
Electronic shutter speed	Supported	Supported	Supported
Digital noise reduction	Supported	Supported	Supported
High Dynamic Range	Supported (Up to 140dB )	Supported (Up to 140dB )	Supported (Up to 140dB )
Defog	Supported	Supported	Supported
Electronic Image Stabilization	--	--	--
Privacy masking	16 zone	16 zone	16 zone
Preset	256	256	256
Alarm I/O	4 / 2	4 / 2	4 / 2
Schedule setting	Supported	Supported	Supported
IP rating / Vandal resistant rating	IP66 / IK10 (Housing)	IP66 / IK10 (Housing)	IP66 / IK10 (Housing)
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 )
Power supply	AC100 – 240V ±10%	AC100 – 240V ±10%	AC100 – 240V ±10%
Power consumption	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)	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)	AC100 – 240V, 51 W (Heater OFF) AC100 – 240V, 88 W (Heater ON)
Mobile phone	iOS, Android	iOS, Android	iOS, Android
Audio capability	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
Micro SD/SDHC card	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported	Micro SD / SDHC / SDXC card Supported
ONVIF	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G

# NVR Recorders



Model	NVR6104E	NVR6208E	NVR6216E
Type	4K	4K	4K
IP video input	4 CH	8 CH	16 CH
Max Frame Rate	120 FPS	240 FPS	480 FPS
Max network throughput	32Mbps	64Mbps	96Mbps
HDD disk	1 × 3.5" HDD (Up to 16TB supported)	2 × 3.5" HDD (Up to 16TB supported)	2 × 3.5" HDD (Up to 16TB 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
Backup	USB flash disk / HTTP / FTP	USB flash disk / HTTP / FTP	USB flash disk / HTTP / FTP
Output	HDMI 1.4 (4K 30P) / VGA 1080P output	HDMI 1.4 (4K 30P) / VGA 1080P output	HDMI 1.4 (4K 30P) / VGA 1080P output
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)
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)
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)
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
Keyboard	Support PIH-931D keyboard input (Connector box required)	Support PIH-931D keyboard input (Connector box required)	Support PIH-931D keyboard input (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)
Web access	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
Multi-language	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish, Slovakian, Bulgarian, Danish, Czech	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish, Slovakian, Bulgarian, Danish, Czech	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish, Slovakian, Bulgarian, Danish, Czech
Operating temperature	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
Power supply	DC 48V 1.35A 65W (Max) for HDDs and cameras	DC 48V 2.5A 120W (Max) for HDDs and cameras	DC 48V 3.75A 180W (Max) for HDDs and cameras
Others	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•4 Port PoE, automatic network camera plug and play</li> <li>•GPS communications</li> </ul>	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•8 Port PoE, automatic network camera plug and play</li> <li>•GPS communications</li> </ul>	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•16 Port PoE, automatic network camera plug and play</li> <li>•GPS communications</li> </ul>

# NVR Recorders



Model	NVR6832E	NVR7864	NVR7832
Type	4K	4K	4K
IP video input	32 CH	64 CH	32 CH
Max Frame Rate	960 FPS	1920 FPS	960 FPS
Max network throughput	300Mbps (RAID 160Mbps)	352Mbps (RAID 160Mbps)	300Mbps (RAID 160Mbps)
HDD disk	8 × 3.5" HDD (Up to 16TB supported)	8 × 3.5" HDD (Up to 16TB supported)	8 × 3.5" HDD (Up to 16TB supported)
External storage	-	eSATA connector × 2 (Up to 32TB external storage supported, each 16TB)	eSATA connector × 2 (Up to 32TB external storage supported, each 16TB)
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
Backup	USB flash disk / HTTP / FTP	USB flash disk / HTTP / FTP	USB flash disk / HTTP / FTP
Output	HDMI 2.0 4K 60P / VGA 1080P 60fps output	HDMI 2.0 4K 60P / VGA 1080P 60fps output	HDMI 2.0 4K 60P / VGA 1080P 60fps output
Alarm/event	DI × 16 and DO × 4 (With programmable condition)	DI × 16 and DO × 4 (With programmable condition)	DI × 16 and DO × 4 (With programmable condition)
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)
Ports	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 16 (802.3af)	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)	RJ-45 Gigabit Ethernet × 2 (Ethernet failure redundancy or sharing supported)
Protocol	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP/ ONVIF Profile S / ONVIF Profile G	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP/ ONVIF Profile S / ONVIF Profile G	ARP / TCP/IP / UDP / HTTP / HTTPS / SMTP / SNMP / FTP / DDNS / PPPoE / NTP / RTP / RTSP / DHCP/ ONVIF Profile S / ONVIF Profile G
Keyboard	Support PIH-931D keyboard input (Connector box required)	Support PIH-931D keyboard input (Connector box required)	Support PIH-931D keyboard input (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)
Web access	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
Multi-language	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish, Slovakian, Bulgarian, Danish, Czech	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish, Slovakian, Bulgarian, Danish, Czech	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish, Slovakian, Bulgarian, Danish, Czech
Operating temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
Dimension (W×L×H)	438 × 451 × 87 mm	438 × 451 × 87 mm	438 × 451 × 87 mm
Power supply	AC Input 100 ~ 240V 60/ 50HZ, DC Output 12V 10A, 53V 4A 280W(Max)	AC Input 100 ~ 240V 60/ 50HZ, DC Output 12V 14A, 5V 14A Total 220W(Max)	AC Input 100 ~ 240V 60/ 50HZ, DC Output 12V 14A, 5V 14A Total 220W(Max)
Others	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•16 Port PoE, automatic network camera plug and play</li> <li>•GPS communications</li> </ul>	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•GPS communications</li> </ul>	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•GPS communications</li> </ul>

# NVR Recorders



Model	NVR5208E	NVR5104E	NVR6832SE
Type	4K	4K	4K
IP video input	8 CH	4 CH	32 CH
Max Frame Rate	240 FPS	160 FPS	960 FPS
Max network throughput	64Mbps	32Mbps	300Mbps (RAID 160Mbps)
HDD disk	2 × 3.5" HDD (Up to 16TB supported)	1 × 3.5" HDD (Up to 16TB supported)	Swap Drive Bay 8 × 3.5" HDD (Up to 16TB 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
Backup	USB flash disk / HTTP / FTP	USB flash disk / HTTP / FTP	USB flash disk / HTTP / FTP
Output	HDMI 1.4 (4K 30P) / VGA 1080P output	HDMI 1.4 (4K 30P) / VGA 1080P output	HDMI 2.0 4K 60P / VGA 1080P 60fps output
Alarm/event	DI × 8 and DO × 1 (With programmable condition)	DI × 4 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)
Ports	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 8 (802.3af)	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 4 (802.3af)	RJ-45 Gigabit Ethernet × 1, RJ-45 100Mbps PoE × 16 (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 / ONVIF Profile G
Keyboard	PIH-931D keyboard input (Connector box required)	PIH-931D keyboard input (Connector box required)	Support PIH-931D keyboard input (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)
Web access	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
Multi-language	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish	Arabic, Traditional Chinese, Simplified Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Turkish, Slovakian, Bulgarian, Danish, Czech
Operating temperature	0°C ~ 45°C	0°C ~ 45°C	0°C ~ 45°C
Dimension (W×L×H)	360 × 316 × 60 mm	360 × 316 × 60 mm	438 × 451 × 87 mm
Power supply	DC 48V 2A 96W (Max) for HDDs and cameras	DC 48V 1.35A 65W (Max) for HDDs and cameras	AC Input 100 ~ 240V 60/ 50HZ, DC Output 12V 10A, 53V 4A 280W(Max)
Others	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•8 Port PoE, automatic network camera plug and play</li> <li>•GPS communications</li> </ul>	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•4 Port PoE, automatic network camera plug and play</li> <li>•GPS communications</li> </ul>	<ul style="list-style-type: none"> <li>•WS-Discovery</li> <li>•P2P supported</li> <li>•S.M.A.R.T monitoring</li> <li>•External USB GPS time sync</li> <li>•Chrome, Edge, Firefox, IE, Opera, Safari supported</li> <li>•16 Port PoE, automatic network camera plug and play</li> <li>•GPS communications</li> </ul>



# Navigator 5.0 VMS



Model	NAV Corporate 5.0
OS	Windows 10&11 Embedded SAC 64bit ( Professional 20H2 above), Server 2012R2, 2016
Record channel max	108
Split screen	4, 9, 16, 25, 36
Resolution	Max 12MP@20fps, 8MP@30fps, 5MP@30fps, 4MP@30fps, 3MP@30fps, 1080p@120fps, and ROI recording supported
Playback Compression	H.265/ H.264/ JPEG
Support ONVIF IPC	Authorized use
Recording Mode	No recording, record main stream, record substream, record dual stream, low bitrate recording mode
HDD Circular Recording customizable	Supported
Video Reserved days	1 to 365 days
Snapshot Reserved days	1 to 365 days
Raid System Monitor	Supported
RAID Hard disk failure notification	Supported
Daily System Reboot time adjustable	-
Low Bandwidth Mode	JPEG snapshot input and record (1 FPS, 0.5 FPS, 0.333 FPS, 0.25 FPS, 0.2 FPS, 0.167 FPS)
Recording Schedule	7 days × 24 hrs time table, recording mode configurable(Always, No Record, Motion)
Assign Recording Disk	Supported
Recording Calculator	YYes, dynamically calculating available recording days
External Storage Recording	Support NAS (SMB/CIFS), iSCSI
Failover	Supported / can rescue 36 channels of each server
Archiving	Supported
Video Input	LILIN IP camera, LILIN IP camera over HTTPS, LILIN Fisheye camera, LILIN IP speed dome, LILIN DVR/NVR, LILIN DHD recorder,NAV live streaming, P2P live streaming, ONVIF camera, 1FPS record(JPEG), Manual RTSP, Remote Screen Capture
Alarm Input	Remote digital input, remote IVS detection, remote tamper detection, remote audio detection, external IO, motion detection, NAV CGI Triggering, video loss detection, speed measurement detection, ANPR detection, facial recognition, remote ANPR detection, QR code detection, AIDA behavior detection

Alarm Output	Play audio file, send email notification, PTZ preset, digital output triggering, full screen, post alarm record, pre-alarm record, advanced alarm digital output, send customizable HTTP POST CGI URL to third party device, alarm ACK, alarm snapshot, text overlay, App cloud push notification, NCC TV wall ACK, NCC eMap Center Alarm, NCC play sound, NCC global alarm setting, all these action can be automatic or scheduled
Digital Output	LILIN NVR digital output, LILIN DHD recorder digital output, LILIN IP camera digital output, LILIN IOBOX digital output, third party TCP/IP digital output supported.
Alarm Scheduling	Up to four alarm tables with AND logic
Event Thumbnails bar length customizable	Auto, 3 to 13 snapshots in a bar (FACE,ANPR,Traffic incident)
Grouping setting	User can create up to 20 group, maximum number of channel up to 720
Digital Zoom	Yes, ePTZ supported for live and playback
PTZ control	Mouse control, zoom in/out, , Moving direction
Digital watermark	DVR/DHD/NVR and NAV backup watermark checker
Privacy Mask	Supported
Sequence display	Supported
Fisheye Dewarp	Support Immersion lens
Fisheye Dewarp Mode	(Ceiling and ground mounted) 1R One Region, 3R10 Three Regions One Fisheye, 4R Four Regions, 2R1P Two Regions One Panoramic 360 , 2P Two Panoramics 180, 8R10 Eight Regions One  (Fisheye Wall mounted) 1R One Region, 3R10 Three Regions One Fisheye, 4R Four Regions, 2R1P Two Regions One Panoramic 180 , 1WP One Wall Panoramic 180 , 8R10 Eight Regions One Fisheye
eMap	Supported
Audio	PCM/G.711/AAC Live monitoring, IPCAM two-way audio (NVR one-way audio), audio recording
eMap control 2 x 2 TV wall (offline)	Supported
NVR P2P connection	Supported

# Navigator 5.0 CMS



Model	NAV Control Center 5.0	Navigator Clinet 5.0
OS	Windows 10&11 Embedded SAC 64bit (Professional Edition 20H2 or above), Server 2012R2, 2016	Windows 10&11 Embedded SAC 64bit (Professional Edition 20H2 or above), Server 2012R2, 2016
Channel max	1 ~ 144	1 ~ 144
Split screen	1~144, User-defined	1~144, User-defined
Playback Compression	H.265/ H.264 /JPEG	H.265/ H.264 /JPEG
LDAP/AD Management	Supported	Supported
User Management	Camera access and function access right manageable	
User Group Management	Centralized user management database up to 512 user groups and 1000 users per group	
Camera Status Management	Camera connection, authentication, view set up, and recording statuses	
Camera Preview	Yes	Yes
Camera View Group	Drag-n-drop, DVR/DHD/NVR channels import, and channel switching	
Live IP Video Input	Supports video stream	
Fisheye Dewarp	Support Immersion lens (Ceiling and ground mounted) 1R One Region, 3R10 Three Regions One Fisheye, 4R Four Regions, 2R1P Two Regions One Panoramic 360 , 2P Two Panoramics 180, 8R10 Eight Regions One  (Fisheye Wall mounted) 1R One Region, 3R10 Three Regions One Fisheye, 4R Four Regions, 2R1P Two Regions One Panoramic 180 , 1WP One Wall Panoramic 180 , 8R10 Eight Regions One Fisheye	
Spot Monitor	Yes, live sequence display and playback	
Digital Zoom	Yes, ePTZ supported for live and playback	
PTZ control	Yes, on-screen PTZ control and button control	
Backup / Playback	NAV/DVR/DHD/NVR remote file download, AVI and MP4 conversion and JPEG snapshot	
Multiple Channel Playback	Simultaneous playback of up to 36 screens (subject to host device hardware or bandwidth conditions)	
Asynchronous Time Playback for Same Camera	Playback at different time points	
Instant Playback	Quick playback from 5 minutes ago	
Remote DVR/DHD/NVR Video Playback	Support NAV host/DVR/DHD/NVR/IP camera SD card, etc. equipment, up to 36 channels of simultaneous playback and 36 channels of backup	
GPS	Support, GPS fleet movement track and map tracking, map live traffic conditions and playback	-

	NAV Control Center 5.0	Navigator Clinet 5.0
Alarm Triggering	PC alarm sound, designated IP camera alarm DO output, eMail photo output, PTZ preset point output, notification TV wall projection, emap marker display	-
Database Manager	Various alarm events, screen/network disconnection, login and logout, operation event table	-
NAV Operation Status	NAV host maintenance status	-
Video Decoder	LILIN VD022 for video wall	-
Physical Monitors	Up to 1440 physical remote monitors supported by network (based on number of video output available on external graphic card from dedicated server)	-
Video Wall Monitor	Each room can allocate up to 144 monitors to be combined freely	-
Rooms of the Wall	199 rooms supported for various monitor layouts	-
Import View From Client to TV Wall	Support, View Manager canvas template	-
Display One Camera Over Several Monitor	Supported	-
Sequence Mode	Supported	-
Online / Offline maps	Up to 128 online maps and 128 offline maps	-
eMap Offline Map File	JPEG format supported	-
eMap Camera Marks	Up to 1024 camera marks per online map. Up to 36 camera marks per offline map.	-
eMap Live Monitoring	Up to 64 live videos per map.	-
eMap Alarm Snapshot	Motion detection / external alarm / sound detection / face detection / face recognition / license plate recognition	-
Sync Server Setting	User account DB, NAV camera configuration, Facial recognition allowed and denial DB, ANPR allowed and denial DB, NCC camera configuration, eMaps configuration, Remote Group Name	-

# We integrate image recognition and monitoring to provide a comprehensive solution.



LILIN operates its own factory with excellent production efficiency and quality control. Our integrated capabilities in design, development, and manufacturing ensure prompt response to your needs.



## MADE IN TAIWAN

LILIN provides a full range of cameras, cost-effective standalone NVRs, robust servers, and advanced video management systems. Whether for entry-level or advanced needs, we serve as your comprehensive AI surveillance solution provider.

**43** YEARS  
since 1980.

- | As a 40-year company, LILIN has extensive experience in handling issues that may arise, greatly reducing the cost of communication with clients.
- | Flexible global business capabilities and diverse services from economical solutions to mass deployment, and diversification to fit every demand.
- | Quick response to each requirement to complete a project in a tight timeframe.
- | Nothing is uncustomizable, semi-custom with slight modifications or fully customized with specifications to precisely meet your needs.



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## Merit LILIN Ent. Co., Ltd.

With over 40 years of experience in the surveillance industry, LILIN is the first ONVIF-compliant camera manufacturer and expert with leading achievements in video transmission and analysis technology. LILIN integrates AIoT applications, edge computing, and security equipment into a total solution for cross-industry applications in industrial and commercial environments such as construction, transportation, shipping, ports, military, retail, office premises, schools, banks, entertainment venues, and factories, as well as adapting product capabilities to meet public facility needs in line with government strategies.

LILIN is committed to providing highly reliable products and services in the field of video integration and event analysis, such as license plate recognition, face recognition, advanced electronic fencing, vehicle, and pedestrian flow detection, social distance detection, mask detection, lost and found, and site safety applications.

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