

S7R5888X40-L8

40X 8MP Day & Night 30 FPS Long Range IR Vandal Resistant PTZ IP Camera



The S7 series camera is a high-performance surveillance device in the LILIN product line, designed for superior image quality and intelligent monitoring. With a high-magnification optical zoom lens, it enables detailed long-distance observation. Its ultra-high-resolution sensor ensures clear images, and the built-in infrared night vision function reaches up to 800 meters, providing high-quality images in low-light conditions. The camera's day-and-night functionality and efficient image compression ensure consistent high-quality image transmission under various lighting conditions.

The S7 series camera features extensive I/O interfaces for seamless integration with peripheral devices and back-end systems. It offers intelligent features like motion detection, tamper detection, and audio detection for comprehensive security monitoring. The 360° continuous rotation and 256 preset positions enhance monitoring flexibility. Its robust design withstands harsh environments, with waterproof and vandal-resistant features ensuring stable operation in any setting.



- 40X Optical Zoom Lens(6.3 – 252mm)
- 8X Digital Zoom
- Day & Night (IR cut removable)
- Ultra HD 8M megapixel CMOS image sensor
- 8MP H.265/HEVC and H.264/AVC high-performance video compression
- Simultaneous streaming of H.265 and H.264 encoded streams
- 3D noise reduction (MCTF)
- HDR function up to 140dB
- Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata function
- SMART event
- 800-metre infrared night vision
- EIS supported
- Defog function
- Dynamic privacy zone mask
- Horizontal & Vertical Flip
- 360° Endless panning
- Tilting range up to 196°
- Up to 256 Programmable Preset Positions
- 2-way audio supported
- ONVIF supported
- RS-485 supported
- Weatherproof IP66
- Vandal resistant approve IK10



Video Performance	
Min. Illumination	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 illuminator ON
Lens / Night vision (infrared LED)	
Lens zoom ratio	40X Optical
Focal Length	6.3 (WIDE) – 252 (TELE) mm
Minimum Aperture Ratio	F1.4(Wide) – F4.9(Tele)
Iris Range	F1.4 – 32 , Close
Iris Control	P-IRIS / Manual
Minimum Object Distance	0.5M (WIDE end), 2.0M (TELE end)
Angle of View	67.8° (W) – 2.1° (T) (H) 39.8° (W) – 1.2° (T) (V) 75.6° (W) – 2.4° (T) (D)
Zoom Speed	0 – 7 Selectable [Fast : Approx. 10.0 Second (Tele to Wide) in Manual Mode]
Focus Speed	0 – 7 Selectable
Focus	Auto (Continue / Interval / Zoom Trigger / One Push), Manual Focus
Peak Wavelength	850nm
Beam Spread	Automatically adjusted, Depending on the zoom ratio
Radiant Distance	800m
Sensor	
Pick Up Element	1/1.8" CMOS image sensor
Effective Pixels	3856 (H) × 2180 (V) = 8,406,080 (Pixels)
Certifications	
CE	Yes, EMI Class A
FCC	Yes, EMI Class A
IP Rating	IP66
Vandal Resistant Rating	IK10 (Housing)
Pan & Tilt	
Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 256 Preset Position / Home Position
Auto Mode	OFF / SCAN(16) / SEQ(256) / TOUR(16) / PATROL(16) / Auto TRACKING
Schedule Setting	OFF / SCAN (4)/ SEQ(256) / TOUR(4) / PATROL(4) / Preset Position(256)(via web interface)
Panning range	360° Endless
Panning mode	Manual , Auto , Manual Position , Sequential Position
Panning speed	Manual Approx. 0.1° /s – 120° /s 8 Steps, Preset Approx. 1° /s – 150° /s, Alarm Trigger Speed 150° /s
Tilting range	-8° – +188°
Tilting mode	Manual , Auto , Manual Position , Sequential Position
Tilting speed	Manual Approx. 0.1° /s – 120° /s 8 Steps, Preset Approx. 1° /s – 150° /s, Alarm Trigger Speed 150° /s

PC Requirements	
CPU	Intel® Core™ i7 or higher grade
OS	Windows 7 or above
RAM	8GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above, Microsoft® Edge (IE mode)
Input / Output	
Audio Input / Output	one audio input / one audio output Terminal block type (microphone not built-in)
Live Video Output	CVBS 1.0Vp-p, 75 ohm, BNC connector
Audio	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
Alarm Input / Output	Digital 4 Input (TTL 5Vdc) , 2 Output (MOS Relay contact N.O., Load.max. 40VDC,450mW / 300mA,450mW) , Terminal block type
Video Streaming	
Video Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth
Video Bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported, Fixed bitrate
Network 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
Users	10 user accounts available
Multi IP address	Yes
Video Resolutions (H x V)	
Resolution	4K(3840 × 2160), 6M(3072 × 2048), 5MP(2592 × 1944), 4MP(2304 × 1728), 3.1MP(2048 × 1536), 3MP(2304 × 1296), 2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Maximum Frame Rate	Normal mode: 60Hz: 30 FPS @ 3840 × 2160 50Hz: 25 FPS @ 3840 × 2160 HDR mode: 60Hz: 30 FPS @ 3840 × 2160 50Hz: 25 FPS @ 3840 × 2160
Video Functions	
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Manual
Electrical Shutter	1/30(1/25)s – 1/20000s
Exposure Mode	AUTO / SHUT.P / IRIS.P
Sense Up	Off / x2 / x4 / x8 / x16
Sense Up+	Yes
Auto Gain Control	72 dB Variable Gain
S/N Ratio	More than 50dB (AGC off)
3D Noise Reduction	Off / ON(1 – 32)
High Dynamic Range	Up to 140dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	OFF / ON (Up to 16 area)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Defog, Digital Zoom(x8)

Integration	
High Dynamic Range	Up to 140dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	OFF / ON (Up to 16 area)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Defog, Digital Zoom(x8)
SD Card Compatible List	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / IVS events, LILIN Navigator Enterprise 5.0 support, Third party VMS through LILIN HTTP API
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at website
IVS Basic 1.0	Motion / Tamper
Event Triggers	Motion / Tamper / Audio / Alarm / 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
Control Interface	RS-485, Half-Duplex, support MLP2, Pelco D/P protocols
Languages	English, Traditional Chinese, Simplified Chinese, Russian, Italian, Hungarian, Korean, French, Turkish, Arabic, Spanish, Japanese
Network	
Ethernet	10/100/1000 Mbps Base-T, RJ-45
ePTZ & Digital Zoom	- / Yes (X8)
Web PTZ control	Pan , tilt , zoom in / out , absolute position, and video-click-n-move
OSD	Position configurable text overlay for date, time, camera ID, event status/ Current PTZ Position/ Preset Name, Auto-Pan
CPU, Memory	Embedded Quad-core ARM Cortex-A53 1.0GHz CPU & 2GB LPDDR4X, 8GB e.MMC memory
OS	Embedded Linux 5.4
Network Protocols	IPv4, TCP, UDP, HTTP, HTTPS, QoS, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, ONVIF Profile S, ONVIF Profile T, ONVIF Profile G
Network Storage	NAS (Support SAMBA/CIFS)
User accounts	10 user accounts available
Video Display	LILIN Universal ActiveX & HTML5
Power and Environment	
Starting Temperature	- 40° C – + 50° C (-40° F – 122° F)
Operating Temperature	- 40° C – + 50° C (-40° F – 122° F)
Storage Temperature	- 20° C – + 60° C (-4° F – 160° F)
Humidity	10% – 90%
Power Supply	AC100 – 240V ±10%
Power Consumption	AC100 – 240V, 51 W (Heater OFF) AC100 – 240V, 88 W (Heater ON)
Mechanical	
Dimension	395 (H) × 221 (D) mm
Weight	8800 g
Casing Material	Aluminum alloy
Window	Ø75 Heat Resistant Glass & Rain repellent glass
Warranty	
Warranty	3 Year(s)

Bracket



BTS03W
Wall-mount

Bracket



PIH-5208HBW
Wall-mount

Bracket



PIH-5208LBW
Wall-mount