

# S8R5528X25 25X 1080P Day & Night 60 FPS IR Vandal Resistant PTZ IP Camera

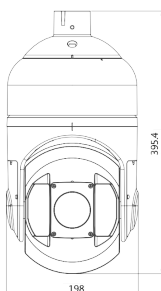
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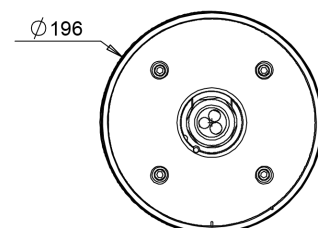
- ▶ 25X Optical Zoom Lens(5.3 – 132.5mm)
- ▶ 8X Digital Zoom
- ▶ Day & Night (IR cut removable)
- ▶ Full HD 2 megapixel CMOS image sensor
- ▶ 2MP H.265/HEVC and H.264/AVC high-performance video compression
- ▶ Simultaneous streaming of H.265 and H.264 encoded streams
- ▶ 3D noise reduction (MCTF)
- ▶ HDR function up to 120dB
- ▶ IVS supported
- ▶ Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata function
- ▶ SMART event
- ▶ 200-metre infrared night vision
- ▶ Defog function
- ▶ Dynamic privacy zone mask
- ▶ Horizontal & Vertical Flip
- ▶ 360° Endless panning
- ▶ Tilting range up to 240°
- ▶ Up to 256 Programmable Preset Positions
- ▶ 2-way audio supported
- ▶ ONVIF supported
- ▶ RS-485 supported
- ▶ Weatherproof IP66
- ▶ Vandal resistant approve IK10
- ▶ Rain repellent glass

## Dimensions

395 (H) × 198 (D) mm



## Diagram of mounting holes:(unit in mm)



## 25X Optical Zoom

Remote pan/tilt/zoom operations with 25X optical lens makes it possible to zoom in on distant object with absolute clarity



## Wind and Rain Standards

Meet international IP66 standards for dust and moisture resistant allowing you to install cameras in environments subject to wind and rain



## Impact Resistant

IK10-certified housing designed to protect the camera from destructive behavior



## Two-way Audio Support

With 2-way audio communication, you can project your voice through the camera's speaker instead of hearing what's going on (1-way audio)



## Day and Night Operations via Removal of the IR-cut filter

S8R5528X25 camera was designed using a mechanical IR cut filter for increased IR sensitivity resulting in improved night time images. The removable IR-cut filter allows day and night operations even in the low lux condition providing outstanding vision



## Sense Up+

Deliver outstanding video outputs in poor light conditions without experiencing motion blur. You can see video clearly even during nighttime without sufficient lighting support



## 3D Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time



## High Dynamic Range

An High Dynamic Range (HDR) image is made by taking 3 frames of the same scene and each at different shutter speeds to display details of both the darkest and brightest areas. HDR can extend image visibility under high contrast lighting scenes and improve image quality



## 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 are not subject to surveillance



## Video Security App

Available on Android and iOS – LILIN Pro app provides security alarm push notification, real-time live viewing, and remote video playback



## 25X 1080P Day & Night 60 FPS IR Vandal Resistant PTZ IP Camera

### Video Performance

Model	S8R5528X25
Min. Illumination	0.01 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode) 0.001 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) 0.0002 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode) 0 Lux with IR LED ON

### Lens / Night vision (infrared LED)

Lens zoom ratio	25X Optical
Focal Length	5.3 (WIDE) – 132.5 (TELE) mm
Minimum Aperture Ratio	F1.6(Wide) – F4.3(Tele)
Iris Range	F1.6 – 32 , Close
Iris Control	DC IRIS , ALC ( Adjustable Output Target Level ) / Manual
Minimum Object Distance	50 cm (WIDE end), 1.5M (TELE end)
Angle of View	61.3°(W) – 2.9°(T) (H) 35.3°(W) – 1.6°(T) (V) 69.6°(W) – 3.3°(T) (D)
Zoom Speed	0 – 7 Selectable [ Fast : Approx. 6.0 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	200M

### Sensor

Pick Up Element	1/2.8" CMOS image sensor
Effective Pixels	1945 (H) × 1097 (V) = 2,133,665 (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 – 300°/s, Alarm Trigger Speed 300°/s
Tilting range	-30° – +210°
Tilting mode	Manual , Auto , Manual Position , Sequential Position
Tilting speed	Manual Approx. 0.1°/s – 120°/s 8 Steps, Preset Approx. 1°/s – 300°/s, Alarm Trigger Speed 300°/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

### 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

Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Address Filter	Yes
Access	Multiple user access levels with password protection
Users	10 simultaneous users
Multi IP address	Yes

### Video Resolutions (H x V)

Resolution	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: 60 FPS @ 1920 × 1080 50Hz: 50 FPS @ 1920 × 1080 HDR mode: 60Hz: 30 FPS @ 1920 × 1080 50Hz: 25 FPS @ 1920 × 1080

### 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
Sense Up+	Yes
Auto Gain Control	60 dB Variable Gain
S/N Ratio	More than 50dB (AGC off)
3D Noise Reduction	Off / ON( 1 – 32)
High Dynamic Range	Up to 120dB (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

Mobile Application	Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support
Video Management	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G, IVS events, LILIN Navigator Enterprise 5.0 support, Third party VMS through LILIN HTTP API
SD Card Recording	Support (128GB) Micro SD/SDHC/SDXC card for circular recording (card is not included)
SD Card Compatible List	Micron - 32GB,64GB,128GB,256GB,512GB, 1TB (SDXC, U1, C10) Transcend - 4GB SD,8GB SDHC,32GB SDHC C10,128GB SDXC C10 SanDisk - 8GB SDHC, 32GB, 64GB, 128GB SDHC C10 Kingston - 64GB SDXC C10
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 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 & 1GB LPDDR4X, 8GB e.MMC memory
OS	Embedded Linux 4.9.84
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	0% – 90%
Power Supply	AC100 – 240V ±10%
Power Consumption	AC100 – 240V, 29 W (Heater OFF, IR OFF) AC100 – 240V, 48 W (Heater OFF, IR ON) AC100 – 240V, 65 W (Heater ON, IROFF) AC100 – 240V, 84 W (Heater ON, IRON)

Mechanical	
Dimension	395 (H) × 198 (D) mm
Weight	6950 g
Casing Material	Aluminum alloy
Window	Ø55 Heat Resistant Glass & Rain repellent glass

Warranty	
Warranty	3 years, but lens and motors are limited in 1 year

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