

# S8R5754EX25

## 25X 5MP Day & Night 30 FPS IR Vandal Resistant PTZ IP Camera

**S8R**  
SERIES

Speeddome PTZ cameras offer advanced optical zoom capabilities and physical PTZ (Pan-Tilt-Zoom) functions, providing exceptional flexibility in adjusting viewing angles and zoom levels.

**5MP**

ONVIF® | S T G

- 25X Optical Zoom Lens(5.3 – 132.5mm)
- Support up to 16x Digital Zoom(Stream 2 / 3 / 4)
- Day & Night (IR cut removable)
- 5 megapixel CMOS image sensor
- 5MP 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
- Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata function
- SMART event
- 80-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



| Video Performance                  |                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Min. Illumination                  | 0.07 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode)<br>0.01 lux (1/30 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode)<br>0.01 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-OFF Color mode)<br>0.001 lux (1/8 sec, F1.6(Wide), 30IRE, AGC-Gain: 60dB ICR-ON B/W mode)<br>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 / Manual                                                                                                                                                                                                                                                                                                                  |
| Minimum Object Distance            | 50 cm (WIDE end), 1.5M (TELE end)                                                                                                                                                                                                                                                                                                 |
| Angle of View                      | 56.7° (W) – 3.2° (T) (H) 42.9° (W) – 2.6° (T) (V)<br>70.2° (W) – 2.0° (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                   | 80m                                                                                                                                                                                                                                                                                                                               |
| Sensor                             |                                                                                                                                                                                                                                                                                                                                   |
| Pick Up Element                    | 1/2.8" CMOS image sensor                                                                                                                                                                                                                                                                                                          |
| Effective Pixels                   | 2616 (H) × 1964 (V) = 5,137,824 (Pixels)                                                                                                                                                                                                                                                                                          |
| Certifications                     |                                                                                                                                                                                                                                                                                                                                   |
| CE                                 | Yes, EMI Class A                                                                                                                                                                                                                                                                                                                  |
| FCC                                | Yes, EMI Class A                                                                                                                                                                                                                                                                                                                  |
| UKCK                               | Yes, EMI Class A                                                                                                                                                                                                                                                                                                                  |
| IP Rating                          | IP68                                                                                                                                                                                                                                                                                                                              |
| Vandal Resistant Rating            | IK10 (Housing)                                                                                                                                                                                                                                                                                                                    |
| Certifications                     |                                                                                                                                                                                                                                                                                                                                   |
| 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          |                                                                                                                                                                                          |
| 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                | 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:<br>60Hz: 30 FPS @ 2592 × 1944<br>50Hz: 25 FPS @ 2592 × 1944<br>HDR mode:<br>60Hz: 30 FPS @ 2592 × 1944<br>50Hz: 25 FPS @ 2592 × 1944                                        |
| 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 (X16)                                                                                                |

| 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 3.0 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)<br>Transcend - 4GB SD,8GB SDHC,32GB SDHC C10,128GB SDXC C10<br>SanDisk - 8GB SDHC, 32GB, 64GB, 128GB SDHC C10<br>Kingston - 64GB SDXC C10 |
| Maintenance             | Firmware update via HTTP and IP Scan;<br>Firmware available at web site                                                                                                                             |
| 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 (X16)                                                                                                                                                                                       |
| 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  | - 25° C – + 55° C ( - 13° F – + 131° F )                                                                                                                                                     |
| Operating Temperature | - 25° C – + 55° C ( - 13° F – + 131° F )                                                                                                                                                     |
| Storage Temperature   | - 25° C – + 60° C ( - 13° F – + 140° F )                                                                                                                                                     |
| Humidity              | 10% – 90%                                                                                                                                                                                    |
| Power Supply          | AC24V ±10% / DC24V / PoE++(IEEE802.3bt)                                                                                                                                                      |
| Power Consumption     | AC24V, 36.7W (Motor Drive & Illumination OFF)<br>AC24V, 47.3W (Motor Drive & Illumination On)<br>POE++, 37.6W (Motor Drive & Illumination OFF)<br>POE++, 49W (Motor Drive & Illumination On) |
| Mechanical            |                                                                                                                                                                                              |
| Dimension             | 368mm(H) x 184mm(D)                                                                                                                                                                          |
| Weight                | 5900 g                                                                                                                                                                                       |
| Casing Material       | Aluminum alloy                                                                                                                                                                               |
| Window                | Window Defrost/Defogging function, Standard at Power-Up, Power consumption 2W                                                                                                                |
| Warranty              |                                                                                                                                                                                              |
| Warranty              | 3 Year(s)                                                                                                                                                                                    |

Bracket



**BTS03W**

Wall-mount

Bracket



**PIH-5208HBW**

Wall-mount

Bracket



**PIH-5208LBW**

Wall-mount

Bracket



**PIH-520HBW**

Wall-mount

Bracket



**PIH-520LBW**

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