



30X 1080P Day & Night 60 FPS IR Vandal Resistant PTZ IP Camera



Features

- 30X Optical Zoom Lens(4.7 - 129mm)
- 16X Digital Zoom
- Day & Night (IR cut removable)
- Full HD 2.14 megapixel CMOS image sensor
- 60 FPS @ 1080P True H.264 AVC High Profile video compression
- Support auto tracking
- IVS supported
- Alarm(1 - 4) / Motion / Tamper / Audio / Network loss detection
- Smart event support
- 200-metre infrared night vision
- Up to 256 Programmable Preset Positions
- 2-way audio supported
- ONVIF supported
- RS-485 supported
- Weatherproof IP66
- Vandal resistant approve IK10
- Rain repellent glass
- NEMA 4X certified

Specifications

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| Model | PSR5520EX30-C |
| Min. illumination/Low Light Mode (Colour) | 0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICROFF Color mode) |
| Lens zoom ratio | 30X Optical |
| Focal Length | 4.3 (WIDE) – 129.0 (TELE) mm |
| Minimum Aperture Ratio | 1 : 1.6 (Wide) – 4.7 (Tele) |
| Iris Range | F1.6 – 32 , Close |
| Iris Control | DC IRIS , ALC (Adjustable Output Target Level) / Manual |
| Minimum object distance | 10 cm (WIDE end), 1.5M (TELE end) |
| Angle of View | (H) 64.45°(W) – 2.41°(T) (V) 39.27°(W) – 1.36°(T) (D) |
| Zoom Speed | 0 – 7 Selectable [Fast : Approx. 6.0 Second (Tele to Wide) in Manual Mode] |
| Focus Speed | 0 – 7 Selectable [Fast : Approx. 6.0 Second (Far to Near) in Manual Mode] |
| Focus | Auto (Continue / Interval / Zoom Trigger / One Push), Manual Focus |
| Peak wavelength | 850nm |
| Beam Spread | Automatically adjusted, Depending on the zoom ratio |
| Max IR distance | 200M |
| Pick Up Element | 1/2.8" CMOS image sensor |
| Effective pixels | 1944 (H) × 1224 (V) = 2,379,456 (pixels) |
| CE | Yes, EMI CLASS A |
| FCC | Yes, EMI CLASS A |
| IP Rating | IP66 |
| Vandal Resistant Rating / IK Rating | IK10 |
| Nema 4X | Yes |
| Control Function | Pan and Tilt / Zoom and Focus / Iris and ICR / 256 Preset Position / Home Position |

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| 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 |
| CPU | Intel® Core™ i3 or higher grade |
| OS | Windows 7 or above |
| RAM | 4GB or above, Dedicated Graphics Card |
| Web browser | Microsoft® Internet Explorer® 9 or above |
| 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, terminal block type |
| Audio | G.711 u-law / PCM |
| Alarm Input / output | Digital 4 Input (TTL 5Vdc) , 2 Output (MOS Relay contact N.O., Load.max. 40VDC,450mW / 300mA,450mW) , Terminal block type |
| Window / Glass Thickness | Ø55 Heat Resistant Glass & Rain repellent glass |
| Encryption | Base64 HTTP encryption |
| Authentication | Digest HTTP authentication, RTSP Authentication, IEEE 802.1x authentication |
| Address Filter | IP based MAC address filter |
| Access | Access with password protection |

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| User accounts | 1B0a sues6e4r aHcTcToPun etsn carvyapitliaobnle |
| Max number of online users | 1B0a sseim64u lHtaTnTePou esn ucsryeprst |
| Maximum Frame Rate | Normal mode (H.264 / MJPEG) 60Hz: 60 FPS @ 1920 × 1080 50Hz: 50 FPS @ 1920 × 1080 WDR mode (H.264 / MJPEG) 60Hz: 30 FPS @ 1920 × 1080 50Hz: 25 FPS @ 1920 × 1080 |
| Resolution | 2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240) |
| Infrared Cut Filter | Auto / Day (Color) / Night (Mono) |
| White Balance | ATW / Indoor(3200K) / Outdoor(5800K) / Manual(1800K – 10500K) |
| Back Light Compensation | OFF / ON |
| Electrical Shutter | Auto / manual(1/30(25) – 1/10,000) |
| Exposure Mode | AUTO / IRIS.P / SHUT.P / MANUAL |
| Sense Up | OFF / ON |
| Sense Up+ | Yes |
| Auto Gain Control | 50dB Variable Gain |
| S / N Ratio | More than 50dB (AGC off) |
| 3D Noise Reduction | OFF / ON (1 – 5) |
| High Dynamic Range(HDR) | Up to 90dB |
| Privacy Masking | OFF / ON (Up to 16 area) |
| Image Effects | Contrast, Sharpness, Mirror, Flip, Defog, DIS, Digital Zoom(x16) |
| Mobile Application | Integrated to LILIN mobile app (LILIN Viewer) iPhone, iPad, Android support |
| Video Management | ONVIF Profile S, LILIN Navigator Enterprise 2.0, Third party VMS through LILIN HTTP API |
| SD Card (recording) | Support Micro SD/SDHC/SDXC (up to 128GB) card for circular recording (card is not included) |

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| SD Card Compatible List | <p>Micron - 32GB,64GB,128GB,256GB,512GB, 1TB (SDXC, U1, C10)</p> <p>Transcend - 4GB SD,8GB SDHC,32GB SDHC C10,128GB SDXC C10</p> <p>SanDisk - 8GB SDHC, 32GB, 64GB, 128GB SDHC C10</p> <p>Kingston - 64GB SDXC C10</p> |
| Maintenance | Firmware update via HTTP and IP Scan; Firmware available at web site |
| IVS Basic 1.0 | Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection |
| IVS Advanced 2.0 (Optional) | Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting |
| IVS Advanced 2.1 (Optional 2) | Unattended Object Detection, Missing Object Detection, Crowd Detection, Loitering Detection, Face Detection |
| Alarm event triggers | Alarm(1 – 4) / Motion / Tamper / Audio / Network loss detection |
| Alarm event actions | FTP, SMTP, SD card, SAMBA, Alarm output(2), HTTP post, SNMP Trap, Preset position, Push Service notification |
| Control interface | RS-485, Half-Duplex, support MLP2, Pelco D/P protocols |
| Languages | English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese |
| Network Interface/Ethernet | 10/100Mbps Base-T, RJ-45 |
| ePTZ & Digital Zoom | 16X |

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| PTZ Control | Pan , tilt , zoom in / out , absolute position, and video-click-nmove |
| OSD | Text overlay for date, time, and camera name, and PTZ position |
| CPU.Memory | Embedded SoC, ARM Cortex-A9 1.0GHz, 512MB DDR3, 256MB flash memory |
| Network OS | Embedded Linux 3.10.104+ |
| Protocols | IPv4, IPv6, TCP, UDP, HTTP, SMTP, QoS, SNMP, SNMP Trap, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SIP, Bonjour, 802.1x |
| Video Display | LILIN Universal ActiveX & HTML5 |
| Operating temperature | - 40°C – + 50°C (-40°F – 122°F) |
| Starting Temperature | - 40°C – + 50°C (-40°F – 122°F) |
| Storage temperature | - 20°C – + 60°C (-4°F – 160°F) |
| Multi IP address | Yes |
| Operating humidity | 0% – 90% |
| Power Supply | PoE++ (IEEE 802.3bt) / DC48V |
| Video Compression | H.264 Main and High Profile, Motion JPEG |
| Power Consumption | PoE++, 47.5 W / DC48V, 46 W (Heater OFF) PoE++,82.5 W / DC48V,81 W(Heater ON) |
| Video streaming | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.264 and Motion JPEG, configurable frame rate and bandwidth |
| Dimensions | 395 (H) × 198 (D) mm |
| Video bitrate | 128Kbps – 12Mbps, Frame rate and bit rate controllable onthe- fly, VBR / CBR / GOP supported; Fixed bitrate |
| Casing Material | 6000g |
| Weight | Aluminum alloy |
| Scanning System | □□□□ |

