



20X Day/Night 60fps Full HD Infrared PTZ IP Camera



Features

- Outdoor PTZ camera
- 20X optical zoom
- IP66 rain and dust resistant
- Rain repellent glass

- 150-metre infrared night vision
- 1080p resolution
- Wide Dynamic Range up to 90dB
- H.264 and Motion JPEG multi-profile video streaming

Description

PSR5024EX20 is 20X 1080P Full HD Infrared PTZ IP Camera designed for both day and night environment. This high-speed PTZ IP Camera is capable of streaming HD video at up to 60 FPS. It features Wide Dynamic Range (WDR) up to 90dB, the PSR5024EX20 captures highlights and shadows simultaneously, eliminating pixilation and smear further providing perfect detailed images. Combined this with 3D Noise Reduction technology, Adaptive Tone Reproduction and built-in infrared LEDs, it ensures that the contrast of images in

bright or dark areas is dramatically improved. The images are perfectly delivered.

Capable of making 360° continuous rotations with a speed range of 0.1°~300° per second, users can accurately position the camera to identify specific targets. The 30x optical zoom and 16x digital zoom capacity give the PSR5024EX20 an impressive range.

The camera is IP66 rain and dust resistant and can be operated at the range of -40° to 50°.

It can also be installed in outside environment and resist to wind speed up to 60 meters per second (216km/h) like typhoon or super typhoon.

Specifications

Model	PSR5024EX20
Pick Up Element	1/2.8" Type CMOS Sensor
Effective pixels	Effective pixels : 1944 (H) × 1224 (V) = 2,379,456 (pixels) ; Total number of pixels : 1952 (H) × 1236 (V) = 2,412,672 (pixels)
Video Compression	H.264 Main and High Profile, Motion JPEG
Resolution	1080p HD (1920 × 1080) , 720p HD (1280 × 720) , D1 (720 × 480, 720 × 576) , CIF (352 × 240)
Frame Rates	Dual-stream mode, H.264: up to 60 FPS @ 1920 x 1080, Motion JPEG: up to 30 FPS @ 720 x 480 ; 2WDR mode, H.264: up to 30 FPS @ 1920 x 1080, Motion JPEG: up to 30 FPS @ 720 x 480
Lens	4.7 mm (WIDE) - 94.0 mm(TELE)
Angle of View	Approx. 59.94° (H) 36.16° (V) (WIDE end), approx. 3.30° (H) 1.87° (V) (TELE end), (1080p mode)
Minimum object distance	30mm (WIDE end), 1.5m (TELE end)
Max IR distance	150m
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Video bitrate	128Kbps to 12Mbps ; Frame rate and bit rate controllable on-the-fly ; VBR / CBR / GOP supported

Peak wavelength	850nm
Window / Glass Thickness	Rain repellent glass
Scanning System	Progressive scan
Infrared Cut Filter	Colour (Day), Monochrome (Night), Auto
Min. illumination/Low Light Mode (Colour)	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) ; 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) ; 0.2 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF Color mode) ; 0.01 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode) ; 0 lux-ON
White Balance	ATW/Indoor(3200K)/Outdoor(5800K) /Manual (1800K ~10500K)
Back Light Compensation (BLC)	Off / BLC / WDR
Electrical Shutter	Auto / manual 1 to 1/10,000
Sense Up+	Yes
Auto Gain Control	0 - 30dB
3D Noise Reduction	Off / On (2D, 3D)
Privacy Masking	Off / On (up to 16 areas)
Live Video Output	CVBS 1.0 Vp-p / 75 Ω terminal block type
Panning Range	360° Endless
Panning Speed	Manual Approx. 0.1°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 300°/s, Alarm Trigger Speed 300°/s
Panning Mode	Manual, Auto, Manual Position, Sequential Position
Tilting Range	-30° - +210°
Tilting Speed	Manual Approx. 0.1°/s ~ 120°/s 8 Steps, Preset Approx. 1°/s ~ 300°/s, Alarm Trigger Speed 300°/s
Tilting Mode	Manual, Auto, Manual Position, Sequential Position
Minimum Aperture Ratio	1:1.6 (WIDE) - 3.5 (TELE)
Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 256 Preset Position / Home Position

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]
Exposure Mode	Auto / Manual
Auto Mode	OFF / SCAN(16) / SEQ (256) / TOUR (16) / PATROL(16) / AUTO TRACKING
PTZ Control	Pan, tilt, zoom-in / zoom-out, absolute position, and mouse click function
Schedule Setting	Off / Auto Mode / Preset position
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
Max number of online users	10 users accounts available
Multi IP address	Yes
User accounts	10 simultaneous users
Alarm event triggers	Alarm / motion / audio / Network loss detection
Alarm event actions	FTP, SMTP, HTTP post, SD card, SAMBA
CPU	Embedded SoC, 500MHz Dual ARM Cortex-A9 & 500MHz ARM11, 1GB DDR3, 256MB flash memory
Network Interface/Ethernet	10/100/1000Mbps Base-T, RJ-45
CE	Yes, EMI Class A
FCC	Yes, EMI Class A
Web browser	Microsoft® Internet Explorer® 9.0 and later
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP, Bonjour
Mobile phone	Integrated to LILIN mobile app (LILINViewer) , iPhone, iPad, Android support
Video Management	ONVIF Profile S / LILIN Navigator Enterprise 2.0 / Third party VMS through LILIN HTTP API

Video Display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 3.8.0
Audio	2-way, G.711 / PCM
SD Card (recording)	Support Micro SD/ SDHC/ SDXC card for circular recording (card is not included)
Alarm Input / output	4 Input (TTL 5Vdc), 2 Output (0.5A 120Vac, 1A 24Vac) terminal block type
Audio Input / Output	one audio input / one audio output terminal block type (microphone not built in)
Control interface	RS-485, Half-Duplex, support MLP2, Pelco D/P protocols
IP Rating	IP66 waterproof
Vandal Resistant Rating / IK Rating	IK10
Operating temperature	-40° to 50° (-40° to 122°)
Operating humidity	0% - 90%
Dimensions	395mm × 198mm
Weight	6000g approx.
Power Supply	AC24V ±10% / DC24V / PoE++ (IEEE 802.3bt)
Power Consumption	AC24V, Max.80W / DC24V, Max.80W / PoE++, Max. 55W