



30X Day/Night 60fps Full HD Infrared PTZ IP Camera



Features

- Outdoor PTZ camera
- 30X optical zoom
- IP66 rain and dust resistant
- Can resist to wind speed up to 60m/s class 17 level
- 150-metre infrared night vision
- 1080p resolution
- Wide Dynamic Range up to 90dB
- H.264 and Motion JPEG multi-profile video streaming

Description

PSR5024EX30 is 30X 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 PSR5024EX30 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 PSR5024EX30 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	PSR5024EX30
Image Sensor/Sensor type	1/2.8" Type CMOS Sensor
Effective pixels	Effective pixels : 1944 (H) × 1224 (V) = 2,379,456 (pixels) ; Total sensor pixels : 1952 (H) × 1236 (V) = 2,412,672 (pixels)
Video Compression	H.264 Main and High Profile, Motion JPEG
Resolution	1080p HD (1920 x 1080) , 720p HD (1280 x 720) , D1 (720 x 480, 720 x 576) , CIF (352 x 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	4.3mm (WIDE) - 129mm (TELE)
Iris	F1.6 - 32, close ; Auto / Manual
Angle of View	Approx. 64.45°(H) 39.27°(V) (WIDE end), approx. 2.41°(H) 1.36°(V) (TELE end), (1080p mode)
Auto Focus	Auto (Continue / Interval / Zoom Trigger / One Push), Manual Focus
Zoom ratio	30X optical zoom
Minimum object distance	10mm (WIDE end), 1.5m (TELE end)

Digital zoom	16X
Max IR distance	150m
Infrared LED Angle	Automatically adjusted, Depending on the zoom ratio
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
Scanning System	Progressive scan
IR 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 IR-ON
White Balance	ATW/Indoor(3200K)/Outdoor(5800K)/Manual(1800K ~10500K)
Back Light Compensation (BLC)	Off / BLC / WDR
Shutter Time	Auto / manual 1 to 1/10,000
Sense Up+	Yes
Auto Gain Control	0 - 30dB
3D Noise Reduction	Off / On (2D, 3D)
2D WDR	Yes(90dB)
Privacy Masking	Off / On (up to 16 areas)
Other functions	Sharpness, Defog, Mirror effect
Live video	CVBS 1.0 Vp-p / 75 Ω BNC
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) - 5.0 (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
Digital image stabilization	Off / On
Auto Mode	Off / AUTO / SEQ / TOUR
PTZ Control	Pan, tilt, zoom-in / zoom-out, absolute position, and mouse click function
PTZ preset scheduling	Yes, via Web interface
Schedule Setting	Off / Auto Mode / Preset position
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
User accounts	10 users accounts available
IP address filter	Yes
Multi IP address	Yes
Users	10 simultaneous users
OSD (On-Screen Display)	Text overlay for date, time, camera name, and PTZ position
Alarm event triggers	Alarm / motion / audio / Network loss detection
Alarm event actions	FTP,SMTP, HTTP post, SD card, SAMBA
CPU	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3, 256MB flash memory
Firmware	Firmware upgrade via HTTP , Firmware available to download at meritlilin.com

Network Interface/Ethernet	10/100/1000Mbps Base-T, RJ-45
CE	Yes
FCC	Yes, EMI Class B
OS requirement	Windows 2000 , Windows XP , Windows Vista, Windows 7, windows 8
Web browser	Microsoft® Internet Explorer® 9.0 and later
CPU requirement	Intel Core 2 Duo E6400 2.13GHz or above
RAM requirement	2GB or above, Independent Display Card
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 1.0 and 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 audio , 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)
IP Rating	IP66 waterproof
Vandal Resistant Rating / IK Rating	IK10
Operating temperature	- 40°C - + 50°C (-40°F - 122°F)
Operating humidity	0% - 90%
Dimensions	395mm x 198mm
Weight	6000g approx.
Power Supply	AC/DC 24V , 80W
PoE	PoE (IEEE 802.3bt) , 55W
Power Consumption	PoE++ (60W) Max. 55 W, AC/DC 24V Max. 80 W

