



30X Day & Night 60fps Full HD PTZ Dome IP Camera



Features

- Outdoor PTZ camera
- 30X optical zoom
- IP66 rain and dust resistant
- IR cut filter for day/night operations
- 1080p resolution
- Wide Dynamic Range up to 90dB
- H.264 and Motion JPEG multi-profile video streaming

Description

The PSD4624EX30 is 1080P HD PTZ IP Camera featuring 30X optical zoom capability. The high-speed dome is capable of streaming HD video at up to 60 frames per second. Featuring Wide dynamic Range (WDR) feature, the PSD4624EX30 captures highlights and shadows simultaneously, eliminating pixilation and smear. Capable of making 360° continuous rotations, users can accurately position the camera to identify specific targets. PSD4624EX30 PTZ camera provide IP66-rated protection against water and dust. With built-in heaters and fans, the cameras are able to be used in temperatures ranging from -40°C to +50°C. The 30X optical zoom gives the PSD4624 an impressive range. With a focal length of 4.3mm (WIDE) to 129mm (TELE),

PSD4624EX30 is ideal for numerous applications.

Specifications

Model	PSD4624EX30
Image Sensor/Sensor type	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(1920 x 1080) , 720p(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 ; ALC (Adjustable Output Target Level) / 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
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

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) / 0.08 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-ON B/W mode)
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
Privacy Masking	Off / On (up to 16 areas)
Panning Range	360° Endless
Panning Speed	Manual Approx. 0.1°/s ~ 120°/s 8 Steps / Preset Approx. 1°/s ~ 360°/s, Alarm Trigger Speed 360°/s
Panning Mode	Manual , Auto , Manual Position , Sequential Position
Tilting Range	-6° ~ 180°
Tilting Speed	Manual Approx. 0.1°/s ~ 120°/s 8 Steps / Preset Approx. 1°/s ~ 360°/s, Alarm Trigger Speed 360°/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
Other functions	Sharpness, Defog, Mirror effect
Live video	CVBS 1.0 Vp-p / 75 Ω BNC
Alarm Input / output	4 Input (TTL 5Vdc) , 2 Output (0.5A 120Vac, 1A 24Vac)
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
ePTZ & Digital Zoom	16X
OSD (On-Screen Display)	Text overlay for date, time, camera name, and PTZ position
Alarm event triggers	Alarm / motion / audio detection triggering recording into SD card Image upload over HTTP, FTP, and E-mail by audio / motion detection
Alarm event actions	FTP, HTTP post, SD card
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
UL	Yes
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, 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)
IP Rating	IP66 waterproof
Vandal Resistant Rating / IK Rating	IK10
Operating temperature	- 40°C ~ + 50°C (-40°F ~ 122°F)
Operating humidity	0%□90%
Blower control/Fan activation	On: 35□, Off: 25□
Heater control/Heater activation	On: 15□, Off: 25□
Dimensions	275mm x 192mm
Weight	2750g approx.
Power Supply	AC24V±10% / DC24V□Power over Ethernet+
PoE	60W High power PoE
Power Consumption	30W, 55W (Heater ON)