



30X Day & Night 30fps 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 HD resolution
- Wide Dynamic Range up to 90dB
- IK10 impact resistant

Description

The IPS4304EA / IPS4308EA is outdoor fitted Day & Night 1080P Full HD PTZ Dome IP camera. The high-speed dome is capable of streaming HD video at up to 30 FPS. Featuring Wide dynamic Range (WDR) feature, the IPS4304EA / IPS4308EA captures highlights and shadows simultaneously, eliminating pixilation and smear. Combine this with 3D Noise Reduction technology and adaptive tone reproduction and the contrast of images in bright or dark areas is dramatically improved. Capable of making 360° continuous rotations, users can accurately position the camera to identify specific targets. The 30x optical zoom gives the IPS4304EA / IPS4308EA an impressive range. With a focal length of 4.3mm-129mm, an IP66 weatherproof rating and a compact design, the IPS4304EA / IPS4308EA is ideal for numerous applications.

Specifications

Model	IPS4304EA
Min. illumination/Low Light Mode (Colour)	0.5 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) 0.1 lux (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) 0.2 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) 0.01 lux (1/8 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF)
High Dynamic Range(HDR)	Up to 90dB
Power Consumption	PoE+, 14W (does not support the heater) AC24V, 37W (Heater ON)
Power Supply	PoE+ (IEEE 802.3at compliant) / AC24V ±10%
Pick Up Element	1/2.8" CMOS image 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)
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP66 waterproof
Vandal Resistant Rating / IK Rating	IK10 impact resistant
Lens zoom ratio	30X Optical
Focal Length	4.3mm (WIDE) - 129mm (TELE)

Minimum Aperture Ratio	1:1.6 (WIDE)-5.0 (TELE)
Minimum object distance	10cm (WIDE end), 1.5m (TELE end)
Iris Range	F1.6 – 32 , Close
Angle of View	Approx. 64.45°(H) 39.27°(V) (WIDE end), approx. 2.41°(H) 1.36°(V) (TELE end), (1080p mode)
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 - 255°/s, Alarm Trigger Speed 360°/s
Tilting Range	-6° - +96°
Tilting Mode	Manual, Auto, Manual Position, Sequential Position
Tilting Speed	Manual approx. 0.15°/s-120°/s 8 Steps, 16 Steps / Preset approx. 1°/s-255°/s, Alarm Trigger Speed 360°/s
Operating temperature	-10°C-+ 50°C (14°F-122°F) / PoE+ ; - 40°C-+ 50°C (-40°F-122°F) / AC
Operating humidity	0%-90%
CPU	Intel® Core™ i3 or higher grade
OS	Windows 7 or above
RAM	4GB or above, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9.0 and later
Dimensions	332 (H) × 210 (D) mm
Weight	3200g approx.
Video Compression	H.264, Motion JPEG
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast
Video bitrate	128 Kbps to 8 Mbps ; Frame rate and bitrate controllable on-the-fly ; VBR / CBR / GOP supported
Resolution	1080p HD(1920 x 1080) , 720p HD(720p HD) , D1(720 x 480, 720 X 576) , CIF(352 x 240)
Maximum Frame Rate	H.264: up to 30FPS @ 1920 x 1080 ; Motion JPEG: up to 30FPS @ 720 x 480

Infrared Cut Filter	Colour (Day), Monochrome (Night), Auto
Scanning System	Progressive scan
White Balance	ATW/Indoor(3200K)/Outdoor(5800K) /Manual(1800K ~10500K)
Electrical Shutter	Auto / manual(1/1 to 1/100,000)
Exposure Mode	Auto / Manual
Back Light Compensation (BLC)	Off / BLC / WDR
3D Noise Reduction	Off / On (2D, 3D)
Privacy Masking	Off / On (up to 16 areas)
Auto Mode	Off / AUTO / SEQ / TOUR
PTZ Control	Pan, tilt, zoom-in / zoom-out, absolute position, and mouse click function
Schedule Setting	Off / Auto Mode / Preset position
Auto Gain Control	50dB Variable Gain
Image Effects	Contrast, Sharpness, Mirror, Flip, Defog, DIS, Digital Zoom(x16)
Mobile Application	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
SD Card (recording)	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at web site
Alarm event triggers	Alarm / motion / audio / Network lost detection
Alarm event actions	FTP, HTTP post, SD card
Alarm weighted mode	Yes
Network Interface/Ethernet	10Mbps / 100Mbps, RJ-45
User accounts	10 simultaneous users
ePTZ & Digital Zoom	16X

OSD	Text overlay for date, time, and camera name, and PTZ position
CPU.Memory	Embedded SoC ARM11, 528MHz, 256MB DDR2, 256MB flash memory
Video Display	LILIN Universal ActiveX & LILIN Java Applet
Network OS	Embedded Linux 2.6.32
Audio	G.711 u-law
Protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, Telnet, RTSP, RTCP, ONVIF profile S, SNMP, Bonjour
Address Filter	Yes
Multi IP address	Yes
Max number of online users	10 users accounts available
Access	Multiple user access levels with password protection
Encryption	Base64 HTTP encryption
Authentication	Digest HTTP authentication, RTSP authentication
Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 128 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]
Iris Control	DC IRIS , ALC (Adjustable Output Target Level) / Manual
Alarm Input / output	6 Input (TTL 5Vdc), 2 Output (0.5A 120Vac,1A 24Vac)
Live Video Output	CVBS 1.0 Vp-p / 75 Ω BNC