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## Day&Night 1080P 60fps Full HD PTZ Dome IP Camera



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### Features

- Outdoor PTZ camera
- 20X 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

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### Description

The PSD4624EX20 is 1080P HD PTZ Dome IP Camera featuring 20X 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 PSD4624EX20 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. PSD4624EX20 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 – + 50°C. The 20X optical zoom gives the PSD4624EX20 an impressive range. With a focal length of 4.3mm (WIDE) – 86mm (TELE), PSD4624EX20 is ideal for numerous applications.

## Specifications

Model	PSD4624EX20
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(1920 × 1080) , 720p(1280 × 720) , D1(720 × 480, 720 × 576 ) , CIF(352 × 240)
Frame Rates	Dual-stream mode, H.264 : up to 60 FPS @ 1920 × 1080, Motion JPEG : up to 30 FPS @ 720 × 480 / 2WDR mode, H.264 : up to 30 FPS @ 1920 × 1080 , Motion JPEG : up to 30 FPS @ 720 × 480
Lens	4.3mm (WIDE) – 86mm (TELE)
Angle of View	Approx. 64.45°( H ) 39.27°( V ) (WIDE end), approx. 3.58°( H ) 2.01°( V ) (TELE end), (1080p mode)
Minimum object distance	10mm (WIDE end), 1.5m (TELE end)
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

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)
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)
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 ( Tele to Wide ) in Manual Mode ]
Exposure Mode	Auto / Manual

Auto Mode	OFF / SCAN(16) / SEQ (256) / TOUR (16) / PATROL(16) / AUTO TRACKING
Live Video Output	CVBS 1.0 Vp-p / 75 Ω terminal block type
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
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
ePTZ & Digital Zoom	16X
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, SMTP, HTTP post, SD card, SAMBA
CPU	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz 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, 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%
Dimensions	275mm x 192mm
Weight	2750g approx .
Power Supply	AC24V ±10% / DC24V / PoE++ (IEEE 802.3bt)
Power Consumption	"AC24V, 20W / DC24V, 32W / PoE++, 31.2W (Heater OFF) AC24V, 48W / DC24V, 51W / PoE++, 52.1W (Heater ON)"