

PZD6422EX3 3X Day & Night 1080P HD Vandal Resistant Mini Fast Dome IP Camera

www.meritlilin.com


Speed Dome



H.264



Backlight Compensation



PTZ control



Day&Night



IK10 Vandal Proof

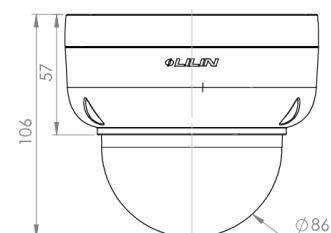
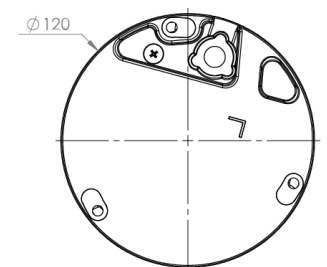
- ▶ 3X Optical Zoom Lens(3.35 – 10mm)
- ▶ Day & Night (IR cut removable)
- ▶ Full HD 2 megapixel CMOS image sensor
- ▶ 30 FPS @ 1080P True H.264 AVC High Profile video compression
- ▶ H.264 and Motion JPEG multi-profile video streaming
- ▶ Smart H.264 supported
- ▶ Digital Noise Reduction function
- ▶ 2D WDR function
- ▶ HDR function up to 105dB
- ▶ IVS supported
- ▶ Tampering / Motion detection alarm function
- ▶ Smart event support
- ▶ 340° panning
- ▶ Tilting range up to 90°
- ▶ Up to 256 Programmable Preset Positions
- ▶ ONVIF supported
- ▶ Weatherproof ip66
- ▶ Vandal resistant approve IK10

Introduction

The PZD6422EX3 is 1080P HD PTZ Dome IP Camera featuring 3X optical zoom capability. The high-speed dome is capable of streaming HD video at up to 30 frames per second. High Dynamic Range (HDR) feature, the PZD6422EX3 captures highlights and shadows simultaneously, eliminating pixelation and smear. Capable of making continuous rotations, users can accurately position the camera to identify specific targets. The PZD6422EX3 PTZ camera provides ip66 rated protection against water and dust. The 3X optical zoom gives the PZD6422EX3 an impressive range. With a focal length of 3.35 mm

– 10.05 mm, PZD6422EX3 is ideal for numerous applications.

Dimensions

 $\varnothing 120 \times 106$ (H) mm


3X Optical Zoom

Remote pan/tilt/zoom operations with 3X optical lens makes it possible to zoom in on distant object with absolute clarity



Wind and Rain Standards

Meet international IP67 standards for dust and moisture resistant allowing you to install cameras in environments subject to wind and rain

Impact Resistant

IK10-certified housing designed to protect the camera from destructive behavior



Day and Night Operations via Removal of the IR-cut filter

PZD6422EX3 camera was designed using a mechanical IR cut filter for increased IR sensitivity resulting in improved night time images. The removable IR-cut filter allows day and night operations even in the low lux condition providing outstanding vision



Sense Up+

Deliver outstanding video outputs in poor light conditions without experiencing motion blur. You can see video clearly even during nighttime without sufficient lighting support



3D Noise Reduction

Remove noise from a signal. Suppressing noise in an image in low light conditions and able to retain quality videos at the same time



Wide Dynamic Range (WDR)

Wide Dynamic Range (WDR) displays details of both the brightest and darkest areas. WDR can extend image visibility under high contrast lighting scenes and improve image quality



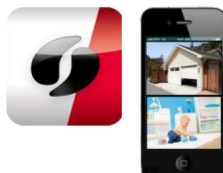
High Dynamic Range

An High Dynamic Range (HDR) image is made by taking 3 frames of the same scene and each at different shutter speeds to display details of both the darkest and brightest areas. HDR can extend image visibility under high contrast lighting scenes and improve image quality



Video Security App

Available on Android and iOS – LILINViewer app provides security alarm push notification, real-time live viewing, and remote video playback



SD Cards in Sync with NAV Software

PZD6422EX3 camera with built-in Micro SD/SDHC/SDXC card slots can provide redundant video viewing and recording. You can synchronize an SD card with LILIN VMS (Video Management Software) – Navigator (NAV)



Advanced Motion Detection

Detect motion and capture the events. Motion in the selected area will provoke an alert. Time of motion in given direction can be detected by simply drawing an arrow on the video



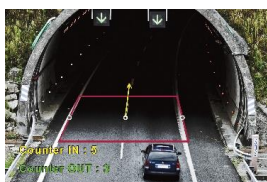
Tripwire Detection

Tripwire Detection can be used where physical security is impractical or even impossible; i.e. railway tracks. An alarm can be enabled in either directions across the tripwire. Line Crossing that an object crossing a line drawn anywhere in the scene can be detected, and also Zone Intrusion that any arbitrary shape zone can be set to monitor intrusion



Object Counting

Object Counting is able to accurately to input images containing similar objects. Intelligent Object Counting technology includes People Counting feature – people enter or exit an area over time can be counted, as well as Vehicle Counting feature – to detect and track vehicle in real-time



Alarm Detection

Alarm Detection is designed to provide the electronic detection of intruders



3X Day & Night 1080P HD Vandal Resistant Mini Fast Dome IP Camera

Video Performance	
Model	PZD6422EX3
Min. Illumination	0.1 lux, (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF) 0.05 lux, (1/30 sec, F1.6(Wide), 50IRE, AGC-Gain: 30dB ICR-OFF)

Lens / Night vision (infrared LED)	
Lens zoom ratio	3X Optical
Focal Length	3.35 (WIDE) – 10.05 (TELE) mm
Iris Range	F1.7(W) – F3.0(T)
Iris Control	Fixed
Minimum Object Distance	0.5 m (Tele)
Angle of View	(H)108.2°(W) – 32.7°(T)° (V)57.0°(W) – 18.4°(T) (D)129.2°(W) – 37.6°(T)
Zoom Speed	1 – 8 Selectable [8 : approx. 4.5 second (In to Out) in manual mode]
Focus Speed	1 – 8 Selectable [8 : approx. 4.5 second (In to Out) in manual mode]
Focus	Auto / Manual Focus

Sensor	
Pick Up Element	1/2.7" CMOS image sensor
Effective Pixels	1920 (H) × 1080 (V) = 2,097,664 (pixels)

Certifications	
CE	Yes, EMI CLASS B
FCC	Yes, EMI CLASS B
IP Rating	IP67
Vandal Resistant Rating	IK10

Power and Environment	
Starting Temperature	-5°C – +45°C (23°F – 113°F)
Operating Temperature	-10°C – +45°C (14°F – 113°F)
Storage Temperature	-20°C – +60°C (-4°F – 160°F)
Humidity	0% – 90%
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 6.0W / PoE, 7.5W

Pan & Tilt	
Control Function	Pan and Tilt / Zoom and Focus / Iris and ICR / 256 Preset Position / 16 Auto Scan / Home Position
Auto Mode	OFF / SCAN(16) / SEQ(256) / TOUR(16) / PATROL(16) / Auto TRACKING
Schedule Setting	OFF / Auto Mode / Preset Position (via web interface)
Panning range	340°
Panning mode	Manual , Auto , Manual Position , Sequential Position
Panning speed	Manual Approx. 0.1 °/s – 90 °/s 8 Steps · Preset Approx. 1 °/s – 90 °/s
Tilting range	0° – 90°
Tilting mode	Manual , Auto , Manual Position , Sequential Position
Tilting speed	Manual Approx. 0.1 °/s – 60 °/s 8 Steps · Preset Approx. 1 °/s – 60 °/s

PC Requirements	
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 or above

Mechanical	
Dimension	Ø120 × 106 (H) mm
Weight	770g
Casing Material	Aluminum alloy
Window	Transparent dome cover

Input / Output	
Live Video Output	CVBS 1.0Vp-p, 75 ohm, connector
Alarm Input / Output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA), Terminal block

Video Streaming	
Video Compression	H.264 Main and High Profile, Motion JPEG
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.264 and Motion JPEG, configurable frame rate and bandwidth
Video Bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported; Fixed bitrate; Smart H.264

Network Security	
Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP Authentication, IEEE 802.1x authentication
Address Filter	IP address filter, MAC address filter
Access	Multiple user access levels with password protection
User accounts	10 simultaneous users
Multi IP address	Yes

Video Resolutions (H x V)	
Resolution	2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Maximum Frame Rate	60Hz: H.264 30 FPS @ 1920 × 1080, Motion JPEG 30 FPS @ 720 × 480 50Hz: H.264 25 FPS @ 1920 × 1080, Motion JPEG 25 FPS @ 720 × 480

Video Functions	
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Custom
Electrical Shutter	1/30(1/25)s – 1/30000s
Exposure Mode	AUTO / MANUAL
Sense Up	Off / 1 Frame / 2 Frames
Sense Up+	Yes
Auto Gain Control	42 dB Variable Gain
S/N Ratio	More than 50dB (AGC off)
3D Noise Reduction	Off / ON(1 – 32)
2D WDR	Off / Auto / x2 / x3 / x4 (by normal mode)
High Dynamic Range	Up to 100dB (by HDR mode, 2 shutter line interleave)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip

Integration	
Mobile Application	Integrated to LILIN mobile app (LILIN Viewer) iPhone, iPad, Android support
Video Management	ONVIF Profile S, LILIN Navigator Enterprise 2.0, Third party VMS through LILIN HTTP API
SD Card Recording	Support Micro SD/SDHC/SDXC (up to 128GB) card for circular recording (card is not included)
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at web site
IVS Basic 1.0	Motion Detection, Tampering Detection, Advanced Motion Detection, Traffic Light Detection, Tripwire Detection, Object Counting
Event Triggers	Motion detection, Alarm detection, Network detection
Event actions	FTP, SMTP, SD card, SAMBA, Alarm Output, HTTP POST, SNMP Trap
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese

Network	
Ethernet	10Base-T / 100Base-TX, RJ-45
Web PTZ control	Pan , tilt , zoom in / out , absolute position, and video-click-n-move
OSD	Text overlay for date, time, and camera name, and PTZ position
CPU, Memory	Embedded SoC ARM Cortex-A9, 600MHz, 256MB DDR3, 256MB flash memory
OS	Embedded Linux 3.10
Network Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, MQTT, QoS, SNMP, SNMP Trap, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SDDP, Bonjour, 802.1x
Max number of online users	10 user accounts available
Video Display	LILIN Universal ActiveX & HTML5