

PZD6422EX3

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

PZD
SERIES

Speeddome PTZ cameras offer advanced optical zoom capabilities and physical PTZ (Pan-Tilt-Zoom) functions, providing exceptional flexibility in adjusting viewing angles and zoom levels.

2MP

ONVIF®

- 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 IP67
- Vandal resistant approve IK10



Video Performance	
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	108.2° (W) – 32.7° (T) (H) 57.0° (W) – 18.4° (T) (V) 129.2° (W) – 37.6° (T) (D)
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 (Far to Near) 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
Certifications	
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

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,450mW / 300mA,450mW), 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
Users	10 user accounts available
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 Pro) 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 card for circular recording (card is not included)
SD Card Compatible List	Micron - 32GB,64GB,128GB,256GB,512GB, 1TB (SDXC, U1, C10) Transcend - 4GB SD,8GB SDHC,32GB SDHC C10,128GB SDXC C10 SanDisk - 8GB SDHC, 32GB, 64GB, 128GB SDHC C10 Kingston - 64GB SDXC C10
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, Push Service notification
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
User accounts	10 user accounts available
Video Display	LILIN Universal ActiveX & HTML5

Power and Environment	
Starting Temperature	-5° C – +45° C (23° F – 113° F)
Starting Temperature (POE)	-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
Mechanical	
Dimension	Ø120 × 106 (H) mm
Weight	770g
Casing Material	Aluminum alloy
Window	Transparent dome cover
Warranty	
Warranty	3 Year(s)