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## 1080P Day & Night Auto Focus IR Vandal Resistant IP Dome Camera



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### Features

- Full HD 2 megapixel CMOS image sensor
- 2MP H.265/HEVC and H.264/AVC high-performance video compression
- Simultaneous streaming of H.265 and H.264 encoded streams
- Auto focus with zoom / focus motorized lens
- 3D noise reduction (MCTF)
- 2D WDR function
- HDR function up to 120dB
- Digital PTZ supported
- IVS supported
- Tampering / Audio / Alarm / Motion / Network lost detection event function
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF Profile S supported
- IP67 rain and dust resistant
- Vandal resistant approve

## Specifications

Model	Z2R6422AX
Pick Up Element	1/2.8" CMOS image sensor
Effective pixels	1945 (H) × 1097 (V) = 2,133,665 (pixels)
Video Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
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	Normal mode 60Hz: 60 fps @ 1920 × 1080 50Hz: 50 fps @ 1920 × 1080 HDR mode 60Hz: 30 fps @ 1920 × 1080 50Hz: 25 fps @ 1920 × 1080
Focal Length	2.8 – 8 mm (zoom / focus motorized)
Iris	F1.6
Angle of View	108.1° (W) – 56.7° (T) (H) 57.6° (W) – 31.6° (T) (V) 130.4° (W) – 64.8° (T) (D)
Auto Focus	One Push
Max IR distance	30M
Min. illumination/Low Light Mode (Colour)	Color : 0.007 Lux at F1.6 ; B/W : 0.002 Lux at F1.6 ; 0 Lux with IR LED ON
Video streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast 4 configurable streams in H.265 and 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/H.265
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
Peak wavelength	850nm
White Balance	ATW-NARROW / ATW-WIDE / AWC(MANUAL)
3D Noise Reduction	Off / 1 – 32 Selectable

2D WDR	Off / Auto / x2 / x3 / x4 (by normal mode) Support Onvif
High Dynamic Range(HDR)	Up to 120dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Sense Up+	Off / 1 Frame / 2 Frames
Auto Gain Control	66 dB Variable Gain
Electrical Shutter	1/30(1/25)s – 1/30000s
Audio	Two-way Audio, G.711 u-law / PCM / AAC, SIP, External Microphone Required
Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , Terminal Block
Video Management	ONVIF Profile S / IVS events, LILIN Navigator Enterprise 2.0 support, Third party VMS through LILIN HTTP API
Video Display	LILIN Universal ActiveX , LILIN Java Applet
Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, SIP, MQTT, QoS, SNMP V1/V2/V3, SNMP Trap and heart beat, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S , SDDP, Bonjour , 802.1x
Alarm Input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load.max. 40VDC,450mW/300mA,450mW), Terminal block
Access	Multiple user access levels with password protection
Max number of online users	10 user accounts available
Encryption	Base64 HTTP encryption, HTTPS encryption
OS	Embedded Linux 3.10
CE	Yes, EMI CLASS B
FCC	Yes, EMI CLASS B
Power Consumption	DC12V, 7.5W / PoE, 9W
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Network Interface/Ethernet	10/100 Mbps Base-T (Tx), RJ-45

IP Rating	IP67
Vandal Resistant Rating / IK Rating	IK10
ePTZ & Digital Zoom	Yes, ROI (Region of Interest)
Web browser	Microsoft® Internet Explorer® 9 or above
User accounts	10 simultaneous users
Alarm event actions	FTP / SMTP / HTTP post / SD card / SAMBA / SMTP Trap
Alarm event triggers	Motion / Tamper / Audio / Alarm / Network lost detection / SmartEvent
SD Card (recording)	Support (128GB) Micro SD/SDHC/SDXC card for circular recording (card is not included)
CPU	Embedded Linux 3.10
Multi IP address	Yes
Mobile Application	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
Starting Temperature	-10°C – +50°C (14°F – 122°F)
Operating temperature	-40°C – +50°C (-40°F – 122°F)
Storage temperature	-25°C – +60°C (-13°F – 140°F)
Operating humidity	0% – 90% RH
Dimensions	Ø120 × 106 mm
Weight	760g
S / N Ratio	More than 50dB (AGC off)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Rotation
Authentication	Digest HTTP authentication, RTSP authentication, TLS, 802.1x, DDNS via HTTPS
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at web site

