Z6R8952X3

4K Day & Night Auto Focus IR Bullet IP Camera

Z6 SERIES

Equipped with a versatile zoom lens, the Z6 Series cameras offer greater flexibility in installation and deployment options. These cameras feature advanced recognition capabilities, including human and vehicle recognition, as well as object counting and management. They support a range of AI modules, making them highly adaptable to various monitoring scenarios.

Capable of handling image recognition and event processing directly at the edge, the Z6 Series eliminates the need for additional AI processing units or PC intermediaries, resulting in an efficient edge computing framework. The zoom lens further enhances installation flexibility, making these cameras suitable for diverse monitoring needs.

With comprehensive hardware and software I/O interfaces, the Z6 Series ensures seamless integration with various peripheral devices or backend systems. This makes them ideal for highly integrated application scenarios. These features allow the Z6 Series to stand out in intelligent monitoring, automation management, and security protection, particularly in applications requiring precise object counting, management, and adjustable focal lengths.

5MP ONVIF | S T G M

- 5M megapixel CMOS image sensor
- 5MP H.265/HEVC and H.264/AVC high-performance video compression
- Simultaneous streaming of H.265 and H.264 encoded streams
- 3D noise reduction (MCTF)
- 2D WDR function
- HDR function up to 140dB
- IVS
- Motion / Tamper / Audio / Network lost detection / Global Counter / Virtual Input / Metadata
- SMART event
- High efficiency IR LED, radiant distance up to 35m
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF Profile S , T , G , M supported
- IP67 rain and dust resistant
- Vandal resistant approve IK10



Specs

Video Performance	
Min. Illumination	Color: 0.09 Lux at F1.6 ; B/W: 0.02 Lux at F1.6 ; 0 Lux with IR LED ON
Lens / Night Vision (Infrared LED)	
Focal Length	2.8 – 12 mm (zoom / focus motorized)
Iris	F1.6 (W) – F2.8 (T)
Iris Control	Fixed IRIS
Angle of View	102.3° (W) – 36.9° (T) (H) , 53.2° (W) – 20.6° (T) (V) , 122.7° (W) – 42.1° (T) (D)
Peak Wavelength	850nm
Beam Spread	60° , 90°
Radiant Distance	35M
Sensor	
Pick Up Element	1/2.7" CMOS image sensor
Effective Pixels	2880 (H) × 1620(V) = 4,665,600 (Pixels)
Light Sensor	Yes
Certifications	
CE / FCC	Yes, EMI Class A
IP Rating	IP67
BSMI	Yes, CNS 15936
Vandal Resistant Rating	IK10 (Casing)
PC Requirements	
CPU	Intel® Core ™ i7 or higher grade
OS	Windows 7 or above
RAM	8GB or above, Dedicated Graphics Card
Web Browser	Microsoft® Internet Explorer® 9 or above, Microsoft® Edge (IE mode)
Input / Output	
Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , Terminal Block
Audio	Two-way Audio, G.711 u-law / PCM / AAC, External Microphone Required
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.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth
Number of Streams	3
Video Bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported, Fixed bitrate,
Network Security	
Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Address Filter	Yes
Access	Multiple user access levels with password protection
User accounts	10 user accounts available
Multi IP Address	Yes
Video Resolutions (H x V)	
Resolution	5MP(2880 x 1616), 4MP(2304 × 1728), 3.1MP(2048 × 1536), 3MP(2304 × 1296), 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: 30 FPS @ 2880 x 1616 50Hz: 25 FPS @ 2880 x 1616 HDR mode: 60Hz: 30 FPS @ 2880 x 1616 50Hz: 25 FPS @ 2880 x 1616
Video Functions	
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Manual
Electrical Shutter	1/30(1/25)s – 1/30000s
Sense Up	Off / x2 / x4 / x8 / x16
Sense Up+	Yes
Auto Gain Control	48 dB Variable Gain
S/N Ratio	More than 50dB (AGC off)
3D Noise Reduction	Off / 1 – 32 Selectable
2D WDR	Off / Auto / x2 / x3 / x4
High Dynamic Range	Up to 140dB (by HDR mode, 2 shutter line interleave)
Privacy Masking	Off / On (4 zones)
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Rotation, Defog
Auto Focus	Support
EV (Exposure Value)	Adjustable
Integration	
Mobile Application	Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support
Video Management	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / IVS events, LILIN Navigator Enterprise 5.0 support, Third party VMS through LILIN HTTP API
SD Card Recording	Support (128GB) 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 website
IVS Basic 1.0	Motion / Tamper
Event Triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
Event actions	FTP / SMTP / HTTP post / SD card / SAMBA / Alarm Output / Push Service / Global Counter / Virtual Input
Languages	English, Traditional Chinese, Simplified Chinese, Russian, Italian, Hungarian, Korean, French, Turkish, Arabic, Spanish, Japanese
Network	
Ethernet	10BASE-T/100BASE-TX, RJ-45
OSD	Position configurable text overlay for date, time, camera ID, event status
CPU, Memory	Embedded Dual-core ARM Cortex-A9 1.2GHz CPU & (DDR 1024MB/Flash 512MB)
OS	Embedded Linux 4.14
Network Protocols	IPv4, TCP, UDP, HTTP, HTTPS, QoS, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, SMTP, Multicast, ONVIF Profile S, ONVIF Profile T,ONVIF Profile G ,ONVIF Profile M
Max number of online users	10 simultaneous users
Video Display	LILIN Universal ActiveX & HTML5
Log	Event & operation log & IVS event log
Schedule	Support holiday list
Network Storage	NAS (Support SAMBA/CIFS)
Power and Environment	
Starting Temperature	-10° C – +50° C (14° F – 122° F)
Operating Temperature	-30° C – +50° C (-22° F – 122° F)
Storage Temperature	-25° C – +60° C (-13° F – 140° F)
Humidity	0% – 90% RH
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 8.5W / POE, 10W
Mechanical	
Dimension	75(W) × 75(H) × 206(D) mm
Weight	575g
Casing Material	Aluminum alloy
Warranty	
Warranty	3 Year(s)