5MP Day & Night Auto Focus IR Bullet IP Camera

Z6R8152X3-P

www.meritlilin.com

5MP

AI

140db HDR

LED

Waterproof

Vandalproof

AI Spec	
Recognized objects	Support detection of the following types of human postures: standing, running, squatting, moving forward, crawling, climbing, hatted, under umbrella, etc. Support the following types of vehicle recognition: bicycle, car, motorbike, bus , truck
Results Display	Support conditional display results according to specified objects
Behavior Detection	Density Detection:Support detecting the number of designated objects within a specific area, triggering an event and counting when the set quantity is exceeded.
	Prohibited Zone with counting:Support triggering an event and counting immediately when a designated object enters a restricted zone.
	Zone with Dwell with counting:Support triggering an event and counting when a designated object enters a restricted zone and remains there for a specified period of time.
	Tripwire with counting:Support triggering an event and counting when a designated object crosses a security line.
	AI missing object detection:Supports triggering an event when a specified object stays in a restricted area for a designated period of time, and also triggers an event when the object disappears or leaves the restricted area and meets the specified time criteria.
	All Object Detection(AND):Support detecting and recognizing multiple designated objects within a specified recognition zone, and trigger an event when they are simultaneously present.
	Lack of any Object Detection (NAND):Support triggering an event when any of the specified objects is not present within the set detection zone (based on NAND rule)
Counter Function	Counter:Support 8 counters that start counting when a specified object trigger(s) an event
	Reset value:Support setting the initial value of a counter(s), and the event trigger starts counting from the initial value
	Operand:Expressions such as +1, -1, and = can be used as the counter counting method
	Reset Every:Counter(s) reset cycle can be set to: 1 minute, 5 minutes, 30 minutes, 1 hour, 1 day, 1 week, 1 month, etc., and the counter can be reset to the initial value according to the cycle
	Counter triggering >=:When performing density detection, the number of objects that trigger the event can be set (up to 300); when the number of recognized objects reaches the specified number, the event is triggered and the counter starts to count
Recognition Speed	Support object recognition speed up to 6 frames per second
Number of Detectable Objects	Can detect up to 18 objects per frame
Video Resolution	Support up to 4K(3840 x 2160) resolution for image capture, 720P resolution is used for recognition
Object Filtering	Object Type:Support recognizing specified object, instead of processing all types of objects Object Size:Support 0~100% adjustable size of object (compared to frame) for classification Object Confidence Level:Support 0~100% adjustable confidence level of object
Event Trigger	Support setting trigger by specific behaviors of specified objects. Support setting 8 Cold Zones to minimize false alarms and improve the accuracy
Detection Time	After an event is triggered by specified object, the next detection will be carried out according to the set detection time (2~30 seconds)
Minimum Recognition Resolution	Support vehicle recognition at 80X80 pixels, person recognition at 80X100 pixels, and motorcycle/bicycle recognition at 80X100 pixels.
Detection Zone / Tripwire	Support setting 4 detection zones (about the size of camera FoV) or lines which are influenced by independent filter condition (object size, confidence, dwell, classification and behavior) and to trigger independent events (output)
Polygon Detection	Support detection zone which is a polygon that can be freely dragged and that the shape can be modified by 6 draggable anchor points. Support detection line which is a line attached to a polygon that the shape can be modified by 4 draggable anchor points. Also, direction of the line can be set by dragging the 4 anchor points or clicking the "Enable direction button"
Pixel Count	Support displaying the pixel count of selected object(s) on the web UI
Alarm Output	Digital Output：Support triggering digital output of camera Smart Event：Support triggering up to 4 virtual inputs of camera HTTP POST：Support displaying an alarm on LILIN IP LED Panel / Support displaying an alarm on specific channel of LILIN Navigator VMS / Support triggering digital outputs for LILIN I/O Box / Support triggering digital outputs for LILIN NVR / Support triggering HTTP POST to integrate with third-party devices / Support triggering a PTZ camera to go to a preset
Heartbeat Checking	Support checking the camera AI operation status and pushing notifications every 1~30 minutes
Recording System Integration	Support event search to playback or snapshot on LILIN Navigator VMS and NVR
Supported Cameras	LILIN Z6/P6 series cameras (excluding vehicle-mounted P6R37 series cameras)

Technical Specifications

Z6R8152X3-P

Video Performance	
Min. Illumination	Color: 0.1 Lux at F1.6 ; B/W: 0.03 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) – F3.3 (T)
Iris Control	P-IRIS
Angle of View	102.8° (W) – 32° (T) (H) , 55.2° (W) – 17.8° (T) (V) , 120.2° (W) – 36.3° (T) (D)
Peak Wavelength	850nm
Beam Spread	60° , 90°
Radiant Distance	55M
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 / UKCA	Yes, EMI Class A
IP Rating	IP68
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)
Audio	
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	One Push
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 Inputt
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
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 802.3at compliant)
Power Consumption	DC12V, 14.6W / PoE+, 15.9W
Mechanical	
Dimension	103(W) × 103(H) × 258(D) mm
Weight	1120g
Casing Material	Aluminum alloy
Warranty	
Warranty	3 Year(s)

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