

M2121-10-EL(2.8–12mm)

1T 2MP AI Bullet Camera



Features

- ▶ 1 TOPS computing power
- ▶ Supports heat map, multi-algorithm switchover, behavior analysis, crowd flow analysis, face and body detection, object (motor vehicle, non-motorized vehicle, and pedestrian) classification, vehicle recognition, vehicle event detection, and traffic flow statistics
- ▶ 1/1.8" CMOS sensor
- ▶ Online loading and upgrade of algorithms
- ▶ 120 dB super wide dynamic range (WDR), ensuring that both foreground and background objects are clearly identified in environments with sharp light contrast
- ▶ Supports switchover among multiple algorithms


Technical Specifications

Model M2121-10-EL(2.8–12mm)		
Major Specifications		
Main control	CPU	Hi3516D V300
	Computing power	1 TOPS
	Memory	DDR3 0.5 GB
	Flash type	SPI NAND Flash 512.0 MB
	Max capacity	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB
Camera	Image sensor	1/1.8" 2-megapixel: 1920 (H) x 1080 (V)
	Focal length	2.8–12 mm
	Max f-number	F1.9 (W) to F2.8 (T)
	Angle of view	Horizontal: 42° (T) to 95.5° (W); vertical: 24° (T) to 52° (W)
	Illumination distance	30 m
Intelligence		
Face/Body	Face	Face detection, Facial attribute recognition
	Person	Person detection
Vehicle	Traffic flow statistics	Motor vehicle, Non-motorized vehicle, Pedestrian
Other intelligences	Scene change	Supported
	Defocus	Supported
	Heat map	Supported
	Multi-algorithm switchover	Supported
	Behavior analysis	Fast movement, Tripwire crossing, Intrusion, Area entry or exit, Loitering
	Crowd flow analysis	Queue length, Head counting, Crowd flow statistics
	Non-motorized vehicle	Object classification, Pedestrian, Motor vehicle
Audio anomaly	Sound detection, Sudden volume increase or decrease	
Open ecosystem		
Algorithm openness	SDC OS	Supported
	HoloSens Store	Dynamic loading of algorithms
Data openness	Data openness	SDK (proprietary protocol), REST API (proprietary protocol), GA/T 1400, DB3311, GB/T 28181
Image		
Codec	Video encoding format	MJPEG/H.264/H.265
	Video encoding channels	Triple streams
	Video frame rate	Configurable (60 fps, 50 fps, 30 fps, or 25 fps); default value: 25 fps
	Intelligent encoding	Extra265/264
Image AI	Scene adaptation	Backlight adaptation/Overcast adaptation/Speed adaptation

Image ISP	Min illumination	Color: 0.001 lux (F1.2, AGC ON, 1/30s shutter speed); B/W: 0.0001 lux (F1.2, AGC ON, 1/30s shutter speed)
	Day/Night mode	Auto (ICR), color, or B/W
	White balance	Auto/Auto tracking/Manual/OnePush
	Digital noise reduction	2D/3D noise reduction
	WDR	120 dB
	Highlight compensation	Supported

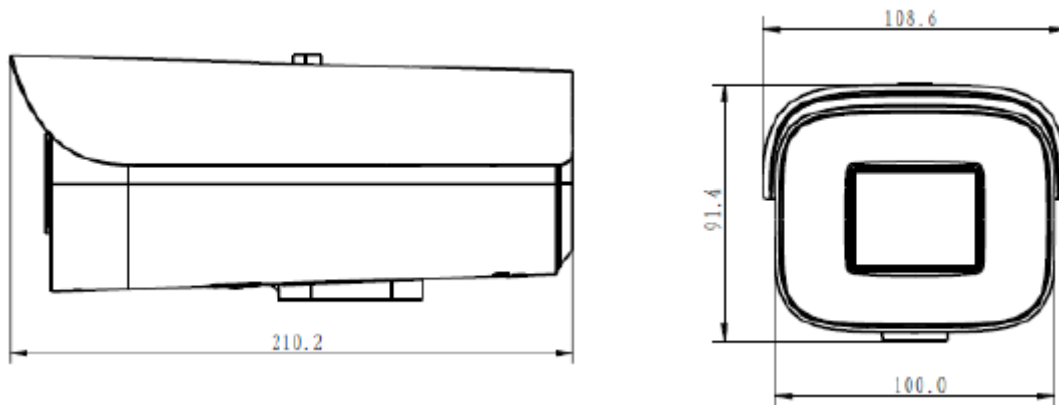
Networking		
Network transmission	Protocols supported by IPv4	TCP, UDP, IPv4, IPv6, DHCP, DHCPv6, DNS, ICMP, ICMPv6, IGMP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP (V1/V2/V3), 802.1x, QoS, DDNS, SMTP, and PPPoE
	Protocols supported by IPv6	None

Security		
Data security	Media security	AES256-based SDK stream encryption; encrypted storage of video and images on SD cards
Service security	User rights	Three user roles: administrator, advanced operator, and common operator
	Security mode	User name and password authentication, 802.1X authentication, and HTTPS digital certificate
	Secure boot	Supported
	System intrusion detection	Supported

Port	
Storage port	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB
Communication serial port	RS-485 port
Alarm port	2 input ports and 1 output port
Network port	One RJ45 10M/100M adaptive Ethernet port
Audio port	Audio-in portSupported (one-channel LINE IN or one-channel external MIC);Audio-out portSupported (one-channel LINE OUT)

General Specifications	
Power type	12 V DC and PoE (IEEE 802.3at)
Power consumption	Maximum: 16 W; typical: 6 W
Operating temperature	-30°C to +60°C (illuminator disabled) -30°C to +40°C (illuminator enabled)
Operating humidity	5% to 95% (non-condensing)
Surge protection	4 kV
IP rating	IP67
Weight	Net weight 0.94 kg;Gross weight 1.24 kg
Dimensions	Device dimensions 210 mm x 108 mm x 91 mm;Package dimensions 117 mm x 296 mm x 141 mm



Dimensions



Recommended Accessories



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