

M2121-EVL(2.8–12mm)

1T 2MP Vehicle Recognition Bullet Camera



Features

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


Technical Specifications

Model M2121-EVL(2.8–12mm)		
Major Specifications		
Main control	CPU	Hi3516D V300
	Computing power	1 TOPS
	Memory	DDR3 1.0 GB
	Flash type	SPI NAND Flash 256.0 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 100° (W); vertical: 26° (T) to 60° (W)
	Illumination distance	20 m
Intelligence		
Vehicle	Traffic flow statistics	Motor vehicle, Non-motorized vehicle, Pedestrian
Other intelligences	Scene change	Supported
	Defocus	Supported
	Heat map	Supported
	Behavior analysis	Fast movement, Tripwire crossing, Intrusion, Area entry or exit, Loitering
	Non-motorized vehicle	Object classification, Pedestrian, Motor vehicle
	Audio anomaly	Sound detection, Sudden volume increase or decrease
Open ecosystem		
Data openness	Data openness	SDK (proprietary protocol), REST API (proprietary protocol), GA/T 1400, GB/T 28181
Image		
Codec	Video encoding format	MJPEG/H.264/H.265
	Video encoding channels	Triple streams
	Video frame rate	Linear: 60 fps, 50 fps, 30 fps, or 25 fps (default); physical WDR: 30 fps or 25 fps (default)
	Intelligent encoding	Extra265/264
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

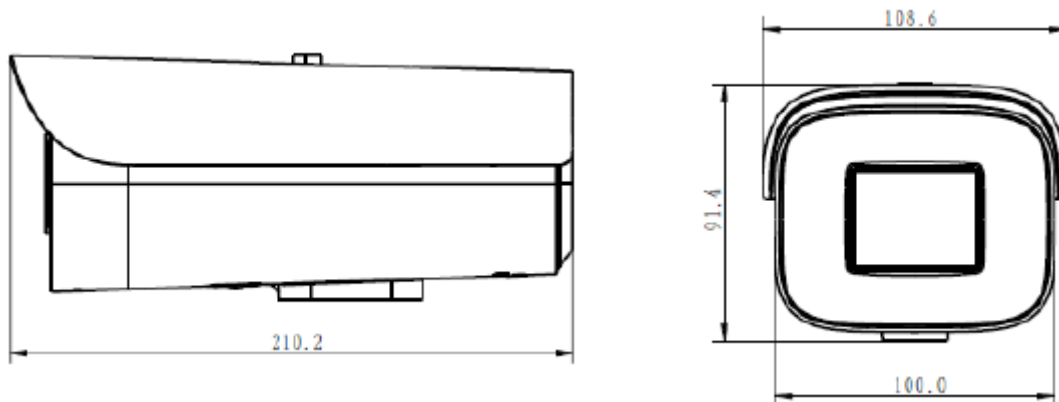
Networking		
Network transmission	Protocols supported by IPv4	TCP, UDP, IPv4, IPv6, DHCP, DHCPv6, DNS, ICMP, ICMPv6, IGMP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP (V1/V2/V3), 802.1x, QoS, DDNS, SMTP, and PPPoE Note: 1. The DDNS uses the Oray (www.oray.com) scheme. 2. The northbound protocol needs to adapt to the PPPoE dialup scenario.
	Protocols supported by IPv6	HTTPS, RTP, RTCP, RTSP, SSH

Security		
Data security	Media security	AES256-based SDK stream encryption
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
	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 10/100 Mbit/s 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: 15 W; typical: 3.8 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



DTS-11C



ACC-B511-D

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