

2MP External Network Camera

It is applicable to various external scenarios, such as pantograph monitoring, third-rail monitoring, and rear-view monitoring. This device is equipped with high-efficiency infrared lights, with a maximum irradiation distance of up to 30 meters, enabling real-time day-and-night monitoring. It is widely used in the CCTV field of the rail transit industry.

- High quality imaging with 2MP resolution.
- 2.8/4/6/8/12mm fixed lens.
- Clear imaging against strong back light based on 120 dB WDR technology.
- Water and dust resistant (IP68) and vandal resistant (IK10).
- Smooth bitstream settings to adapt to different scenarios.



Technical Parameters

Items	Specification
Camera	
Sensor	1/2.8" CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Focal Length	2.8mm, 4mm, 6mm, 8mm, 12mm
Angle Adjustment	2.8mm: Pan: -15°~+15°, Tilt: 0°~30°, Rotate: -90°~ +90° 4mm, 6mm, 8mm, 12mm:

	Pan: -15°~+15°, Tilt: 0°~30°, Rotate: -90°~ +90°
Wide Dynamic Range (WDR)	120 dB
Day & Night	IR Cut Filter
FOV	2.8mm: Horizontal: 105°, Vertical: 56°, Diagonal: 126° 4mm: Horizontal: 87°, Vertical: 44°, Diagonal: 104° 6mm: Horizontal: 53°, Vertical: 28°, Diagonal: 62° 8mm: Horizontal: 41°, Vertical: 23°, Diagonal: 46° 12mm: Horizontal: 25°, Vertical: 14°, Diagonal: 29°

Video

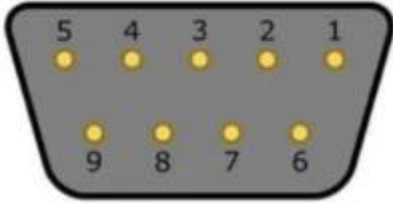
Max. Resolution	1920×1080
Video Compression	H.265 / H.264
H.264 Type	Baseline Profile / Main Profile / High Profile
H.265 Type	Main Profile
Image Settings	Support rotation mode. Brightness, contrast, saturation and sharpness can be adjusted by browser and client software.
Stream Type	Main stream, Sub-stream, Third stream
Main Stream	50Hz: 25fps (1920×1080, 1280×960, 1280×720) 60Hz: 30fps (1920×1080, 1280×960, 1280×720)
Sub-stream	50Hz: 25fps (704×576, 640×480, 352×288, 320×240) 60Hz: 30fps (704×480, 640×480, 352×240, 320×240)
Third stream	50Hz: 25fps (1920×1080, 1280×960, 1280×720, 704×576, 640×480, 352×288, 320×240) 60Hz: 30fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480, 352×240, 320×240)
Video Bit Rate	Main Stream: 256 Kbps to 16Mbps Sub-Stream: 256 Kbps to 4Mbps Third Stream: 256 Kbps to 4Mbps

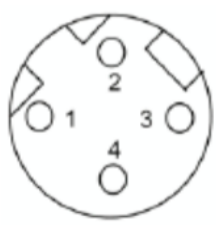
Network

API	ONVIF (PROFILE S/G/T)
Protocols	TCP/IP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, SNMP, UDP, SSL/TLS, RTCP, ICMP, IGMP

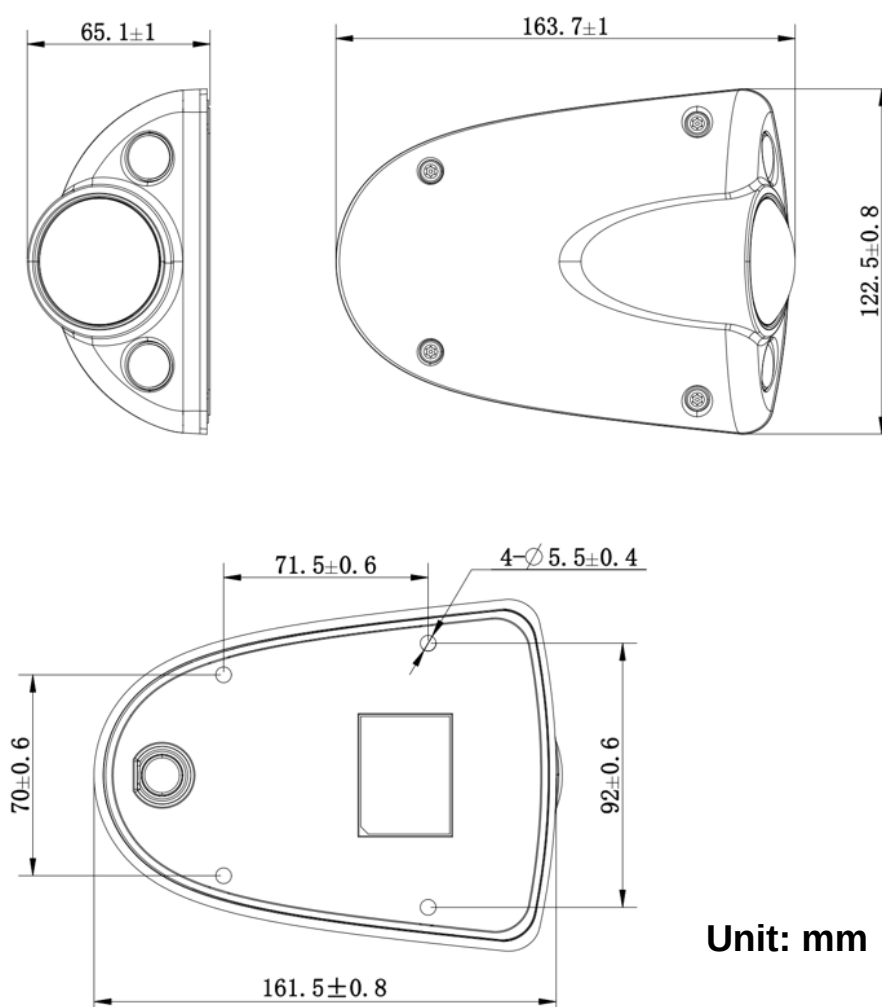
General	
Protection Level	IK10 / IP68
Operating Conditions	-40 °C to 75 °C, humidity less than 95% (non-condensing)
Communication Interface	DB9 / M12
Product Weight	905g
Power Supply	DC12V (9~36V), PoE (802.3af)
Power	10W Max

Interface

DB9: Ethernet+Power (PoE or independent power supply)		
1	RX+	 DB9 (Female)
2	RX-	
3	NC	
4	TX+	
5	TX-	
6	NC	
7	NC	
8	DC12V+	
9	DC12V-	

M12: Ethernet (PoE)		
1	TX+	 D-code M12 (Female)
2	RX+	
3	TX-	
4	RX-	

Dimension



Unit: mm