DS-2XM6222G1-I(D)(M)(/ND)
Mobile Bullet Camera



- High quality imaging with 2MP resolution
- 2.8/4/6 mm fixed lens
- Clear imaging against strong back light based on 120 dB WDR technology
- Water and dust resistant (IP68)

▪ Specification

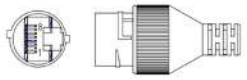
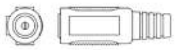
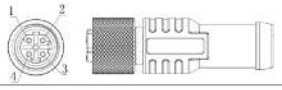
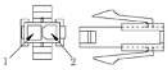
Camera	
Protection Level	IP68
Min. Illumination	0.002Lux @ (F1.6, AGC ON), 0lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Resolution	2MP
P/N	PAL: 25fps NTSC: 30fps
Day & Night	IR Cut Filter
Sensor Type	1/2.8" CMOS Progressive Scan
Angle Adjustment	Pan: -20° to 0°, Tilt: -15° to 25°
White Balance	Support 4 white balance configurations: fluorescent lamp, incandescent lamp, warm lamp and natural light; Support manual/automatic white balance adjustment.
Lens	
Focal Length	2.8mm/4mm/6mm
Focal Length & FOV	2.8mm: horizontal FOV 105°, vertical FOV 56°, diagonal FOV 126° 4mm: horizontal FOV 87°, vertical FOV 44°, diagonal FOV 104° 6mm: horizontal FOV 53°, vertical FOV 28°, diagonal FOV 62°
Lens Mount	M12
Focus	Manual focus
Max. Aperture	2.8/4/6mm : F1.6
Illuminator	
Supplement Light Type	Infrared fill light lamp
Smart Supplement Light	Support
IR Wavelength	850 nm
IR Range	Up to 30 m
Video	
Max. Resolution	1920 x 1080
Main Stream	50Hz: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720) 60Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720)
Sub-Stream	50Hz: 25 fps (704 x 576, 640 x 480, 352 x 288, 320 x 240) 60Hz: 30 fps (704 x 576, 640 x 480, 320 x 240)
Third Stream	50Hz: 25 fps (1920 x 1080, 1280 x 960, 1280 x 720) 60Hz: 30 fps (1920 x 1080, 1280 x 960, 1280 x 720)
Video Compression	Main stream: H.264, H.265, H.264+, H.265+ Sub-stream: H.264, H.265, MJPEG, H.264+, H.265+ Third stream: H.264, H.265 ,H.264+, H.265+
Video Bit Rate	Main Stream: 256 Kbps to 12288Kbps Sub-Stream: 256 Kbps to 4096Kbps Third Stream: 256 Kbps to 12288Kbps
H.264 Type	BaseLine Profile/Main Profile/High Profile
H.265 Type	Main Profile
Bit Rate Control	Constant Bit Rate, Variable Bit Rate
Stream Type	Main stream, sub stream, third stream
Scalable Video Coding (SVC)	H.264 and H.265 encoding

Region Of Interest (ROI)	Support 2 fixed region for (main/sub) stream
Network	
Protocols	TCP/IP,HTTP,HTTPS,DHCP,DNS,DDNS ,RTSP,SNMP,QOS,FTP,RTCP,NTP,UPNP,SMTP,IGMP,ICMP,IPV6,UDP,SSL/TLS
Simultaneous Live View	Up to 8 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
User Management	Up to 16 users, 3 levels: Administrator, Operator and User
Web Browser	IE8+, Chrome45+, Edge41+, Firefox45+
Image	
Wide Dynamic Range (WDR)	120 dB
Image Settings	Support rotation mode. Brightness, contrast, saturation and sharpness can be adjusted by browser and client software.
Day/Night Switch	Day/Night/Auto/Schedule
SNR	> 50 dB
Image Enhancement	BLC, HLC, 2DNR ,3DNR
Privacy Mask	Enables configuration, and supports drawing of up to 4 areas
Picture Overlay	Support image overlay, uploading images, enabling, coordinates, etc.
Target Cropping	Support (only the third stream)
Backlight Compensation(BLC)	Support up, down, left, right, center and custom backlight compensation adjustment
Interface	
Video Output	Not supported
Ethernet Interface	-ID: 1 RJ45 10M/100M self-adaptive Ethernet port -IM/ND, IDM: 1 four-core M12 aviation plug
Reset Key	Support
Interface Type	Interpolate
TF Card Storage	Built-in Micro TF Slot, up to 256 GB(not for baseline. Note the Micro-TF card capacity when ordering)
Event	
Linkage Method	Upload to FTP, notify monitoring center, send email, trigger recording
Basic Event	Motion detection, video tampering alarm
Smart Event	Line crossing detection, Intrusion detection, Region entrance detection, Region exiting detection, Unattended baggage detection, Object removal detection, Object detection: detects faces and upload images Scene change detection, defocus detection, Loitering Detection, People Gathering Detection, Fast Moving Detection, Parking Detection,
General	
Product Dimension	Camera: Φ 78.8 mm × 81.6mm x 63.8 mm (3.1” × 3.2” x 2.5”)

Power	PoE: 0.30 A to 0.20 A, max: 7.5 W DC: 0.83 A to 0.21 A, max: 7.5 W
Camera Material	Metal
Package Dimension	174 mm × 111 mm × 101mm (6.85" × 4.37" × 3.98")
Product Weight	Approx. 330 g (0.7 lb.)
Startup and Operating Conditions	-30 °C to 75 °C (-22 °F to 167°F), humidity less than 95% or less (non-condensing)
Language	English, French, German, Russian, Italian, Korean, Portuguese, Spanish, Turkish, Polish, Czech
General Function	Anti-flicker, heartbeat, mirror
Software Reset	Support
Power Supply	-ID: 9-36V& PoE (802.3af, 36 V to 57 V) -IDM: 9-36V& PoE (802.3af, 36 V to 57 V) -IM/ND: PoE (802.3af, 36 V to 57 V)
Power Interface	-ID: Ø 5.5 mm coaxial power plug, DC power supply, or PoE power supply -IM/ND: four-core M12 aviation plug, PoE power supply
Cable Length	50 cm
Selection Parameter	
Wi-Fi Support	Not supported
POE Support	PoE (802.3af)
Approval	
Class	Class B
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014);
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); LOA: SANS IEC60950-1 BIS: IS 13252(Part 1)2010+A1:2013+A2:2015
Environment	CE-RoHS (2011/65/EU); WEEE: 2012/19/EU Reach SVHC: Regulation (EC) No 1907/2006
Electrical Safety Protection	IP68 (IEC 60529-2013)
Automotive and Railway	EN50155-2017(EN 50155:2017, EN 50121-3-2:2016, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-30:2005, IEC 61373:2010); EN45545 (EN 45545-2:2013+A1:2015); E-MARK (ECE R10)

▪ Wiring

Cable Interfaces

Model	Interface Type	Interface Form	Interface Definition	Interface Illustration
XM62	ID	RJ45/F	1.IPC_TX+ 2.IPC_TX- 3.IPC_RX+ 4.IDLE4 5.IDLE5 6.IPC_RX- 7.IDLE7 8.IDLE8	
		DC/F	Core: IPC_POWER Shell: IPC_GND	
	IDM	M12D4F	1.IPC_TX+ 2.IPC_RX+ 3.IPC_TX- 4.IPC_RX-	
		MOLEX-2M	1.IPC_POWER 2.IPC_GND	
	IM/ND	M12D4F	1.IPC_TX+ 2.IPC_RX+ 3.IPC_TX- 4.IPC_RX-	

▪ Available Model

DS-2XM6222G1-ID(6mm)(AE)

DS-2XM6222G1-ID(4mm)(AE)

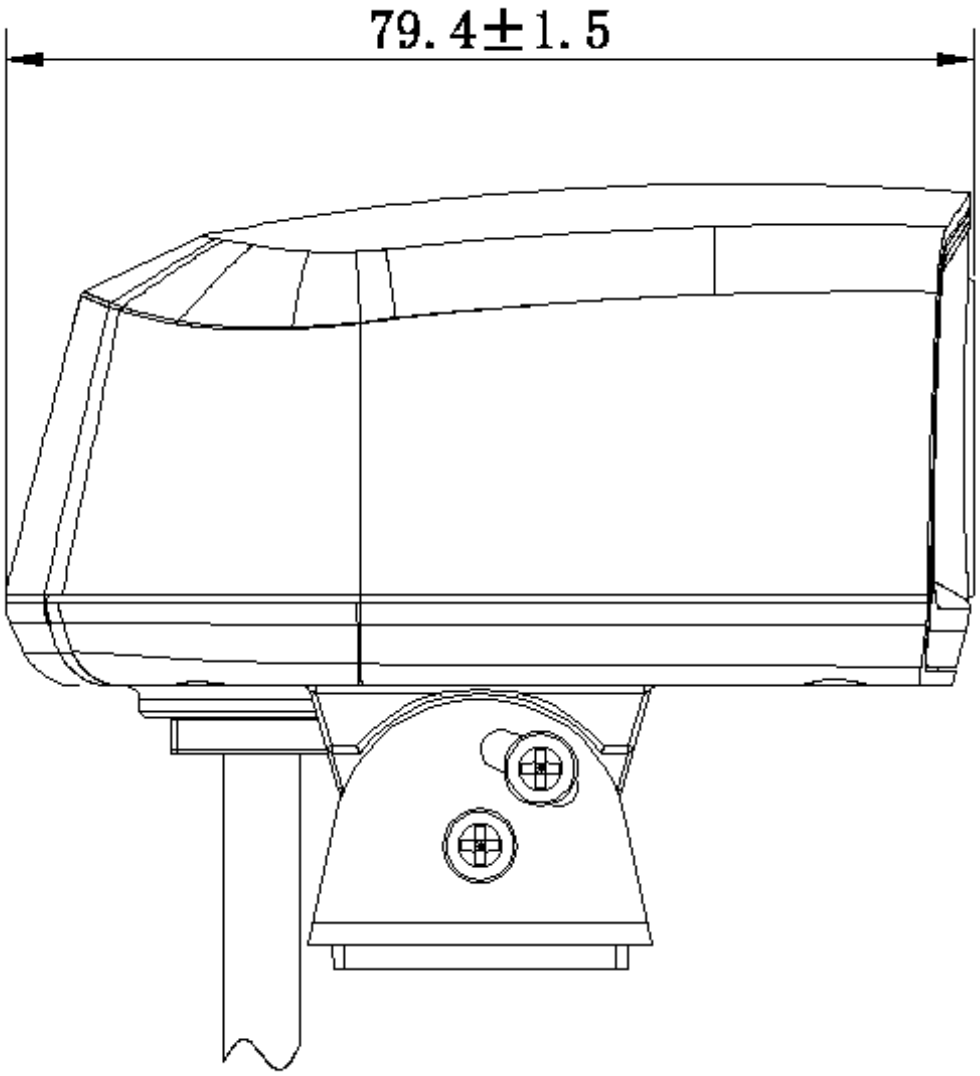
DS-2XM6222G1-ID(2.8mm)(AE)

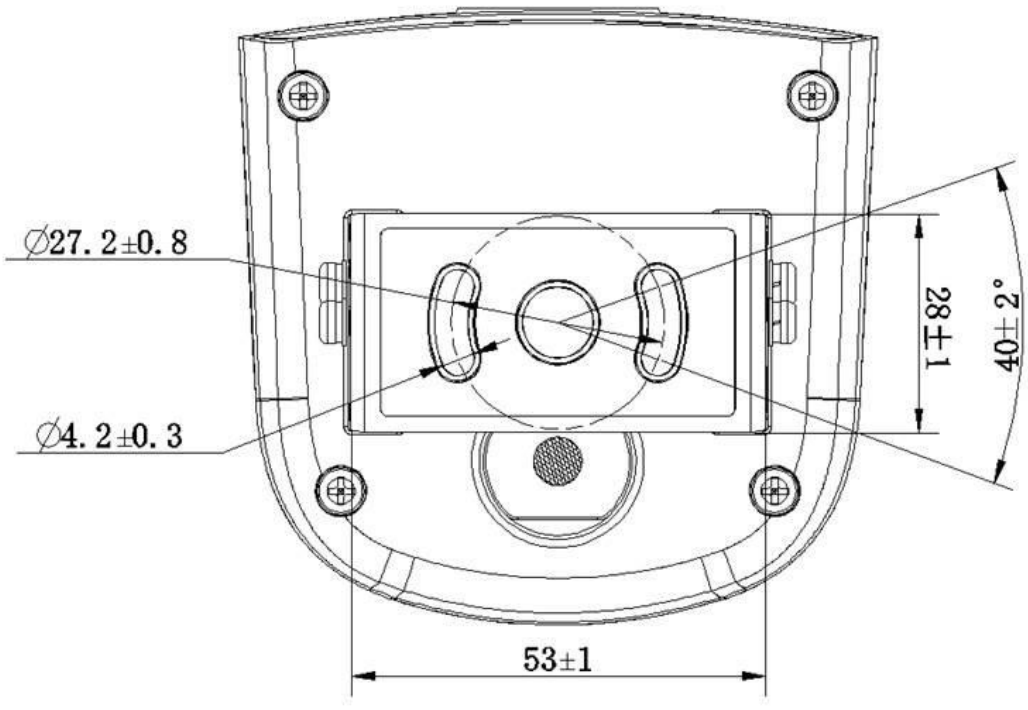
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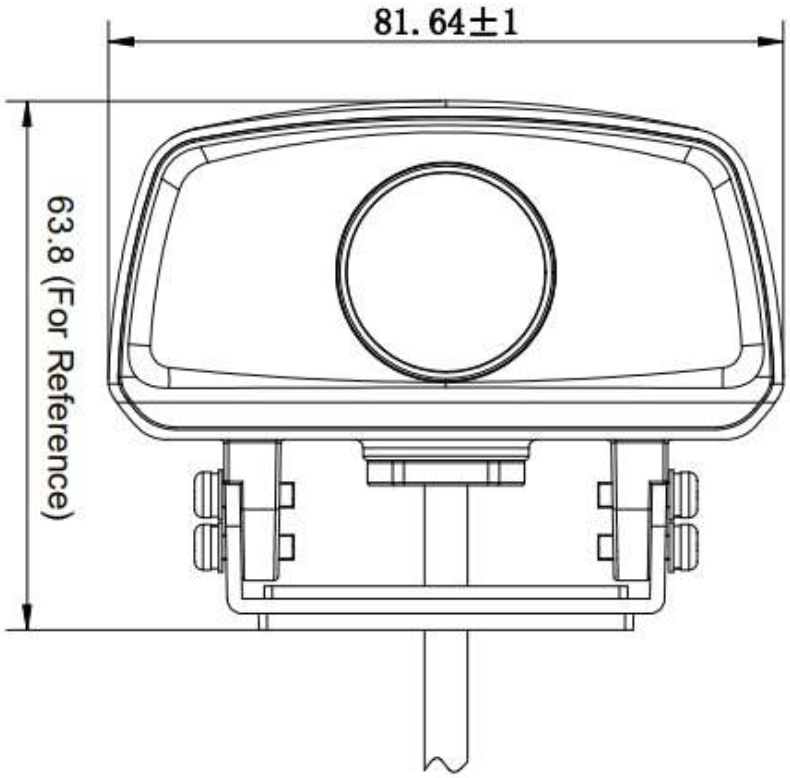
DS-2XM6222G1-IM/ND(4mm)(AE)

DS-2XM6222G1-IM/ND(6mm)(AE)

▪ Dimension


79.4±1.5


∅27.2±0.8
∅4.2±0.3
28±1
40±2°
53±1


81.64±1
63.8 (For Reference)

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