DS-2XM6746G1-I(D)(M)(/ND)
Mobile Dome Camera



- High quality imaging with 4MP resolution
- 2/2.8/4mm fixed lens
- Clear imaging against strong back light based on 120 dB WDR technology
- Water and dust resistant (IP67) and vandal resistant(IK10)

▪ Specification

Camera	
Protection Level	IP67, IK10
Min. Illumination	0.01Lux @ (F1.6, AGC ON), 0lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Resolution	4MP
P/N	PAL: 25fps NTSC: 30fps Enable Third Stream，cannot configure 2560 * 1920 @ 30fps Third Stream Not Enabled，can be configured 2560 * 1920 @ 30fps
Day & Night	IR Cut Filter
Sensor Type	1/3" CMOS Progressive Scan
Angle Adjustment	Pan:-30°~+30°, Tilt: 0°~75°, Rotate: 0°~ 360°
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	2mm/2.8mm/4mm
Focal Length & FOV	2 mm, horizontal FOV 122°, vertical FOV 71°, diagonal FOV 139° 2.8 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 112° 4 mm, horizontal FOV 78°, vertical FOV 40°, diagonal FOV 93°
Lens Mount	M12
Focus	Manual focus
Max. Aperture	2mm: F2.25 2.8mm/4mm: F1.6
Illuminator	
Supplement Light Type	Infrared fill light lamp
Smart Supplement Light	Support
IR Wavelength	850 nm
IR Range	Up to 10 m
Video	
Max. Resolution	2560 x 1440
Main Stream	50Hz: 25 fps (2560 x 1440, 1920 x 1080, 1280 x 960, 1280 x 720) 60Hz: 30 fps (2560 x 1440, 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, 352 x 288,320 x 240)
Third Stream	50Hz: 25 fps (1280 x 720) 60Hz: 30 fps (1280 x 720)

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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: 512 Kbps to 16384Kbps Sub-Stream: 256 Kbps to 4096Kbps Third Stream: 512 Kbps to 6144Kbps
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
Audio	
Audio Compression	G711U, G711A, G726, AAC, G722, PCM
Audio Bit Rate	Raw data PCM:256kbps G711U, G711A, G726_A, AAC,G722.1:≤64kbps
Audio Sampling Rate	16 kHz
Environment Noise Filtering	Support
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

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Ethernet Interface	-ID: 1 RJ45 10M/100M self-adaptive Ethernet port -IM/ND, IDM: 1 four-core M12 aviation plug
Audio	1 built-in mic, mono sound
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 110 mm × 57.4 mm (4.3" × 2.26")
Power	PoE: 0.30 A to 0.20 A, max: 7.5W DC: 0.83A to 0.21A, max: 7.5W
Camera Material	Metal
Package Dimension	252 mm × 160 mm × 95 mm (9.9" × 6.3" × 3.7")
Product Weight	Approx. 452 g (1 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)

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Power Interface	-ID: Ø 5.5 mm coaxial power plug, DC power supply, or PoE power supply -IM/ND: 4-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: FCC-SDoC(ANSI C63.4,FCC Part15 sub B) CE: CE-EMC(EN 55024:2010 +A1:2015,EN 55032:2015,EN 61000-3-2:2014,EN 61000-3-3:2013) RCM: AS/NZS 60950.1:2003 + Am1, Am2 and Am3,AS/NZS CISPR 32:2015IC: ICES-003 Issue 7:2020 KC: KN32:2015,KN35:2015
Safety	UL: UL 60950-1:2014,CAN/CSA C22.2 No. 60950-1-07:2014 CB: IEC 60950-1CE: CE-LVD(EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013) LOA: SANS IEC60950-1 BIS: IS 13252(Part 1)2010+A1:2013+A2:2015
Environment	CE: CE-RoHS(RoHS Directive 2011/65/EU+2015/863) WEEE: 2012/19/EUReach SVHC: Regulation (EC) No 1907/2006 Reach SVHC: Regulation (EC) No 1907/2006
Electrical Safety Protection	IK10(IEC 62262:2002)
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

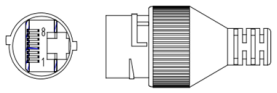
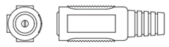
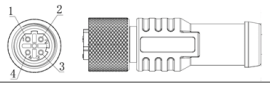
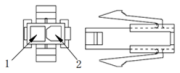
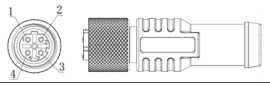
Cable Interfaces

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Model	Interface Type	Interface Form	Interface Definition	Interface Illustration
XM67	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-2XM6746G1-IM/ND(4mm)(AE)

DS-2XM6746G1-IM/ND(2mm)(AE)

DS-2XM6746G1-ID(2mm)(AE)

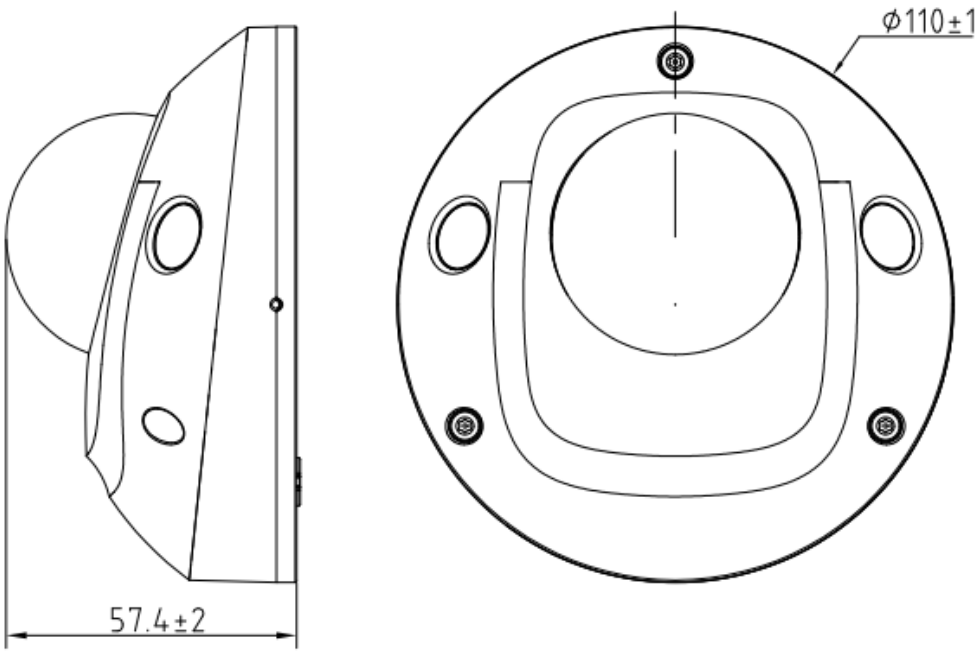
▪ Dimension

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