DS-2XM6542G1-I(D)(M)(/ND)
4MP Mobile Network Camera



- High quality imaging with 4 MP resolution
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP68,IP69K) and vandal proof (IK10)
- Advanced streaming technology that enables smooth live view and data self-correcting in poor network
- 3DNR technology delivers clean and sharp images

▪ Specification

Camera	
P/N	PAL: 25fps NTSC: 30fps
Min. Illumination	0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Image Sensor	1/3" Progressive Scan CMOS
Protection Level	IP68(IEC 60529-2013), IK10(IEC 62262:2002), IP69K(ISO 20653:2013)
Shutter Speed	1/3 s to 1/100,000 s
Case Type	Wedge
Slow Shutter	Yes
Resolution	4MP
Day & Night	IR Cut Filter
Angle Adjustment	2.8 mm: pan: -15° to 15°, tilt: 15° to 30°, rotate: -90° to 90° 4 mm/6 mm: pan: -15° to 15°, tilt: 0° to 30°, rotate: -90° to 90°
Lens	
Focal Length & FOV	2.8 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 112° 4 mm, horizontal FOV 78°, vertical FOV 40°, diagonal FOV 93° 6mm: horizontal FOV 49°, vertical FOV 26°, diagonal FOV 57°
Lens Mount	M12
Lens Type	Fixed Lens
Max. Aperture	2.8mm/4mm/6mm: F1.6
Illuminator	
Smart Supplement Light	Yes
IR Wavelength	850 nm
IR Range	Up to 30 m
Video	
Max. Resolution	2560*1440
Main Stream	50Hz:25fps(2560 x 1440, 1920x1080, 1280 x 960, 1280x720) 60Hz:30fps(2560 x 1440, 1920x1080, 1280 x 960, 1280x720)
Sub-Stream	50Hz:25fps(704 x 576, 640x480, 352 x 288, 320x240) 60Hz:30fps(704 x 576, 640x480, 352 x 288, 320x240)
Third Stream	50Hz:15fps(1920 x 1080, 1280x960, 1280x720, 704x576, 640x480, 352 x 288, 320x240) 60Hz:15fps(1920 x 1080, 1280x960, 1280x720, 704x480, 640x480, 352 x 240, 320x240)
Video Compression	Main Stream: H.265 /H.264/H.264+/H.265+ Sub-Stream: H.265 /H.264 / H.264+/H.265+/MJPEG Third Stream: H.265 /H.264/H.264+/H.265+
Video Bit Rate	Main Stream: 512 Kbps to 16 Mbps Sub-Stream: 256 Kbps to 4 Mbps Third Stream: 512 Kbps to 6 Mbps

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H.264 Type	BaseLine Profile/Main Profile/High Profile
H.265 Type	Main Profile
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	HIKSDK, ONVIF (PROFILE S, PROFILE G,PROFILE T), ISAPI
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
Smart IR	No
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule
SNR	> 50 dB
Image Enhancement	BLC, HLC, 2DNR ,3DNR
Privacy Mask	4 regions of privacy mask
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
DNR	3DNR
Interface	
Ethernet Interface	Without -M: 1 RJ45 10M/100M self-adaptive Ethernet port -M: 1 four-core M12 aviation plug
Audio	No
Alarm	No
RS-485	No
Reset Key	Yes
Heater	Yes
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 FTPmemory card, notify monitoring center, send email, trigger recording, trigger capture
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, TF card error)

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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: 163.7 mm × 122.6 mm × 65.1 mm (6.4" × 4.8" × 2.6") With package: 252 mm × 190 mm × 108 mm (9.9" × 7.5" × 4.3")
Power Interface	-I/ND: RJ45 interface, PoE power supply -ID: Ø 5.5 mm coaxial power plug, DC -IDM: two-core Molex connector, DC power supply -IM/ND: four-core M12 aviation plug, PoE power supply
Power Consumption	-ID, -IDM: 9~36 V DC, max. 10 W -I/ND, -IM/ND: PoE: (802.3af, 36 V to 57 V), max. 10 W
Power Supply	-ID, -IDM: 9-36V, two-core terminal block, reverse polarity protection&PoE802.3af; -I/ND, -IM/ND: PoE: 802.3af, Type 1 Class 3
Camera Material	Metal
Product Weight	Camera: Approx. 905 g (2.0 lb.) With package: 1271 g (2.8 lb.)
Startup and Operating Conditions	-30 °C to 75 °C (-22 °F to 167°F), humidity less than 95% or less
Language	Support English, French, German, Russian, Italian, Korean, Portuguese, Spanish, Turkish, Polish,Czech
General Function	Anti-flicker, 3 streams, heartbeat, mirror, privacy mask
Selection Parameter	
Wi-Fi Support	No
Approval	
Electrical Safety Protection	IK10(IEC 62262:2002)

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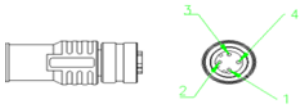
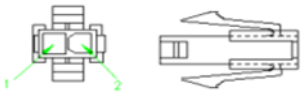
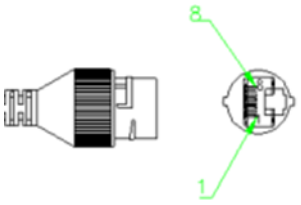
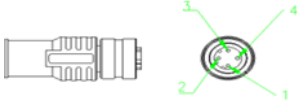
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EMC	FCC: FCC-SDoC(ANSI C63.4,FCC Part15 sub B) CE: CE-EMC(EN 55024:2010 +A1:2015,EN 55032:2015,EN 61000-3-2:2014,EN 61000-3-3:2013) RCM: AS/NZS 60950.1:2003 + Am1, Am2 and Am3,AS/NZS CISPR 32:2015IC: ICES-003 Issue 7:2020 KC: KN32:2015,KN35:2015
Safety	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) Reach SVHC: Regulation (EC) No 1907/2006
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

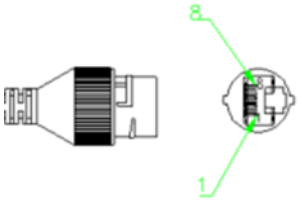
Modle	Interface Type	Interface Form	Interface Definition	Interface Illustration
XM65	IDM	M12	1.IPC_TX+ 2.IPC_RX+ 3.IPC_TX- 4.IPC_RX-	
		MOLEX	1.IPC_Power 2.IPC_GND	
	ID	RJ45	1.IPC_TX+ 2.IPC_TX- 3.IPC_RX+ 4.POE 1 5.POE 2 6.IPC_RX- 7.POE 3 8.POE 4	
	IM/ND	M12	1.IPC_TX+ 2.IPC_RX+ 3.IPC_TX- 4.IPC_RX-	

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	IND	RJ45	1.IPC_TX+ 2.IPC_TX- 3.IPC_RX+ 4.POE 1 5.POE 2 6.IPC_RX- 7.POE 3 8.POE 4	

▪ Available Model

DS-2XM6542G1-ID(2.8mm)
DS-2XM6542G1-ID(4mm)
DS-2XM6542G1-ID(6mm)
DS-2XM6542G1-IDM(2.8mm)
DS-2XM6542G1-IDM(4mm)
DS-2XM6542G1-IDM(6mm)
DS-2XM6542G1-IM/ND(2.8mm)
DS-2XM6542G1-IM/ND(4mm)
DS-2XM6542G1-IM/ND(6mm)
DS-2XM6542G1-I/ND(2.8mm)
DS-2XM6542G1-I/ND(4mm)
DS-2XM6542G1-I/ND(6mm)

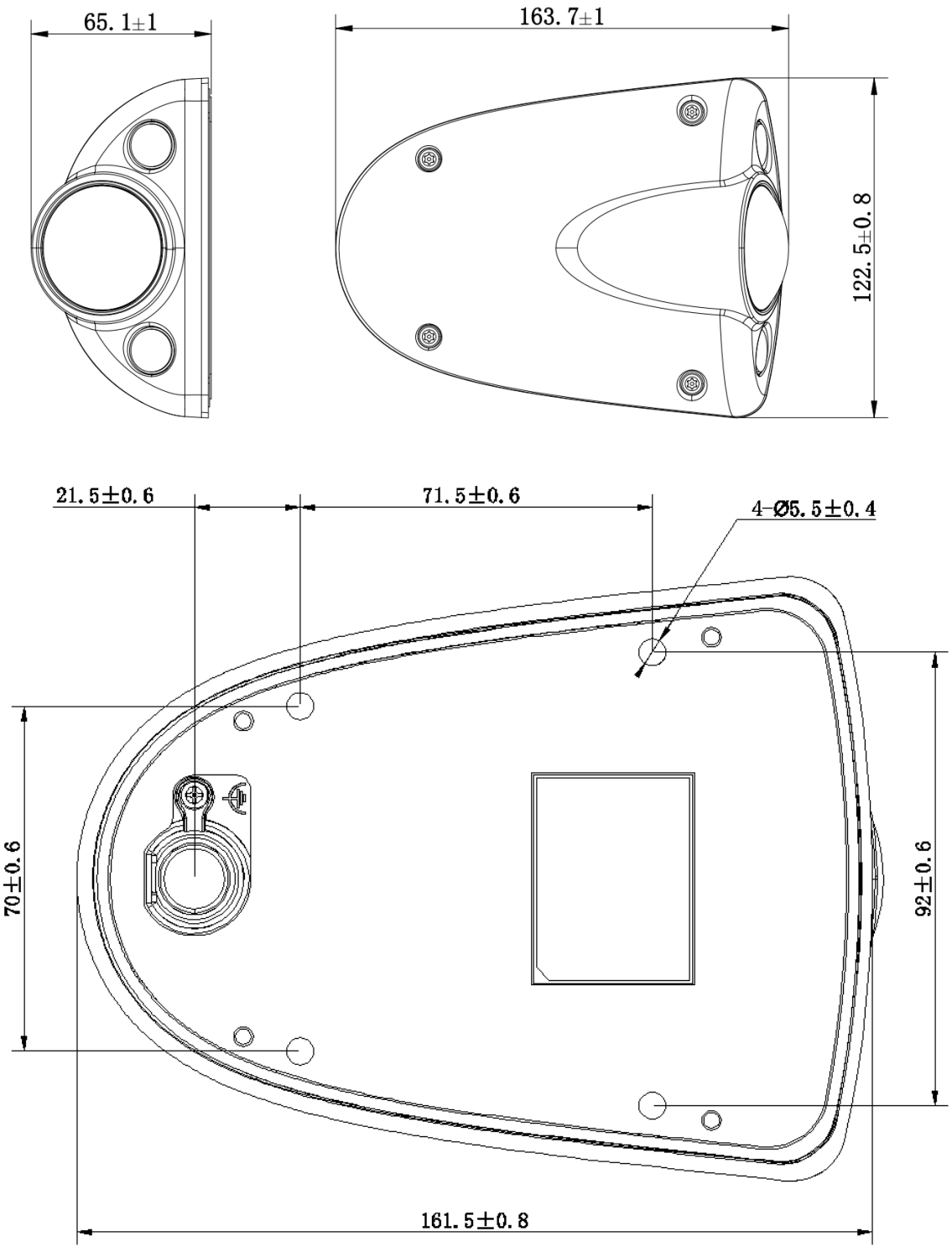
▪ Dimension

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