

AI-SMM622

Mobile Dome Camera



- High quality imaging with 2MP resolution
- Clear imaging against strong back light due to 120 dB WDR technology
- Water and dust resistant (IP66)
- Vandal resistant (IK10)

## ▪ Specification

Camera	
Sensor	1/2.8" CMOS Progressive Scan
Resolution	2MP
Min. Illumination	0.01Lux@ (F1.6, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Wide Dynamic Range	120 dB
Day & Night	IR Cut Filter
Angle Adjustment	Pan: -30°~+30° Tilt: 0°~80° Rotate: 0°~360°
P/N	PAL: 25 fps NTSC: 30 fps
Protection Level	IP66, IK10
White Balance	Support four white balance configurations: fluorescent lamp, incandescent lamp, warm lamp and natural light; Support manual/automatic white balance adjustment.
Lens	
Lens Type	4mm
Focal Length & FOV	4mm: horizontal FOV 87°, vertical FOV 44°, diagonal FOV 104°
Lens Mount	M12
Aperture	4: F1.6
Focus	Manual focus
Illuminator	
IR Range	Up to 10 m
IR Wavelength	850 nm
Supplement Light Type	Infrared fill light lamp
Smart Supplement Light	Support
Video	
Max. Resolution	1920 × 1080
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288, 320 × 240) 60 Hz: 30 fps (704 × 576, 640 × 480, 352 × 288, 320 × 240)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 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	256 kbps to 12 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
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

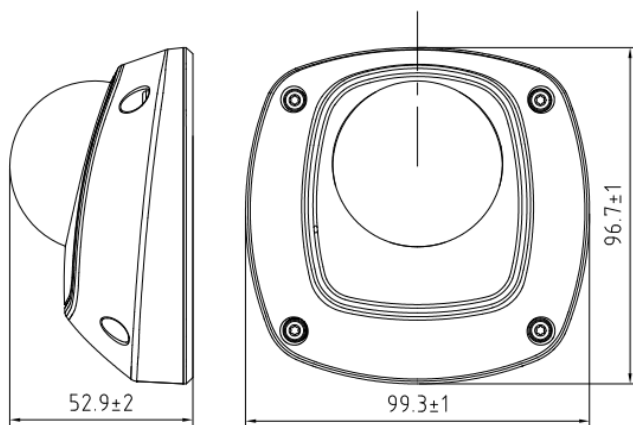
<b>Audio</b>	
Audio Compression	G711U, G711A, G726, AAC, G722, PCM, AAC
Audio Bit Rate	64 kbps
Audio Sampling Rate	16 kHz
Audio Type	Mono sound
Environment Noise Filtering	Yes
<b>Network</b>	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, Email, RTP, RTSP, RTCP, NTP, UPnP, SMTP, SNMP, ICMP 802.1X, QoS, IPv6, Bonjour, ISUP5.0
Simultaneous Live View	Up to 8 channels
API	ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
User/Host	Up to 16 users, 3 levels: Administrator, Operator and User
Web Browser	IE8+, Chrome45+, Edge41+, Firefox45+
<b>Image</b>	
Image Settings	Support rotation mode. Browser and client software can adjust brightness, contrast, saturation and sharpness.
Day/Night Switch	Day/Night/Auto/Schedule
Image Enhancement	BLC, HLC, 3D DNR
SNR	> 50 dB
Target Cropping	Support (only the third stream)
Picture Overlay	Support image overlay, uploading images, enabling, coordinates, etc.
Privacy Mask	Enables configuration, and supports drawing of up to 4 areas
Backlight Compensation(BLC)	Support up, down, left, right, center and custom backlight compensation adjustment
<b>Interface</b>	
Ethernet Interface	- 1 RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Audio	1 built-in mic, mono sound
Video Output	Not supported
Reset Key	Yes
Interface Style	Interpolate
<b>Event</b>	
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
Linkage	Upload to FTP, notify monitoring center, send email, trigger recording
<b>General</b>	
Camera Material	Metal
Camera Dimension	Φ 99.3 mm × 96.7 mm × 52.9 mm (3.9" × 3.8" × 2.1")
Package Dimension	252 × 160 × 95 mm (9.9" × 6.3" × 3.7")

Camera Weight	Approx. 430 g (0.9 lb.)
Startup and Operating Conditions	-30 °C to 75 °C (-22 °F to 167°F), humidity less than 95% or less (non-condensing)
General Function	Anti-flicker, heartbeat, mirror
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
Power Supply	9-36 V & PoE (802.3af, 36 V to 57 V)
Power Interface	Ø 5.5 mm coaxial power plug, DC power supply, or PoE power supply
Language	English, French, German, Russian, Italian, Korean, Portuguese, Spanish, Turkish, Polish, Czech
Software Reset	Support
Cable Length	50 cm
<b>Selection Parameter</b>	
Wi-Fi Support	Not supported
PoE Support	PoE (802.3af)
<b>Approval</b>	
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);
Environment	CE-RoHS (2011/65/EU)
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)

## ▪ Available Model

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▪ **Dimension**



unit: mm

**Interface Definition**

Interface Form	Interface Definition	Interface Illustration
RJ45/F	1.IPC_TX+ 2.IPC_TX- 3.IPC_RX+ 4.IDLE4 5.IDLE5 6.IPC_RX- 7.IDLE7 8.IDLE8	<p>Illustration of the RJ45/F interface, showing a circular pin layout with 8 pins and a corresponding connector profile.</p>
DC/F	Core: IPC_POWER Shell: IPC_GND	<p>Illustration of the DC/F interface, showing a circular pin layout with 1 pin and a corresponding connector profile.</p>

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