

B78

12MP Security Surveillance Outdoor Hemispheric Dome with D/N, Adaptive IR, Extreme WDR, SLLS, Fixed Lens



- Security Surveillance
- 12 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fisheye Lens with f1.65mm/F2.8
- Extreme WDR
- H.265 Compression
- 360°/180° Panorama View with Dewarped Streaming

► Specifications

Device

Product Type	Hemispheric Dome
Maximum Resolution	12MP
Product Application	Security Surveillance
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.7 "
Effective Pixels	4072(H) X 3046(V) (12.4 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	10m
Horizontal Resolution (TV Lines)	3000 TVL

Lens

Focal Length	Fixed focal, f1.65mm
Aperture	F2.8

Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	198.5° (overview area) 121.1° (high detail area)
Viewing Angle Adjustment	Rotation: -175°-175°

Video

Compression	H.265, H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	(Fisheye View) 30 fps at 3000 x 3000 30 fps at 2048 x 2048 30 fps at 1024 x 1024 30 fps at 640 x 640 (Dewarped View) 30 fps at 4096 x 2160 30 fps at 3840 x 2160 30 fps at 1920 x 1080 30 fps at 1280 x 960 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 (ePTZ View) 30 fps at 800 x 600 30 fps at 640 x 480
View Mode	Fisheye View Dewarped View 270-degree Corner View Multiple View ePTZ View
Multi-Streaming	Quad streams
Wide Dynamic Range	Extreme WDR (130 dB)
Image Enhancement	Digital Image Stabilizer, Defogging
Digital Noise Reduction	2D + 3D DNR
Built-in Analytics	People Detection, Face Detection, Car Detection, Object Based Motion Detection, Tampering Detection, People Enter Area Detection, Vehicle Enter Area Detection, Forbidden Direction Detection*, Intrusion Detection*, Object Loitering Detection*, Illegal Parking Detection*
Image Orientation	Flip, Mirror

Audio

Audio Type	2-way, Built-in Microphone, Mic-in, Line-in, Line-out
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Integration

ONVIF Compliant	Profile T
Web Browser	IE 11

Interface

Analog Video Output	1 x CVBS, Terminal block
Local Storage	MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB)
Digital Input/Output	1/1 (Terminal block)

General

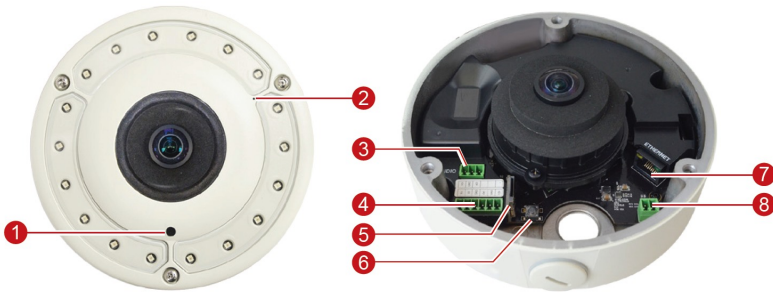
Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	12.95 W (PoE)
Dimensions	(Ø x H): 152.00mm x 71.00mm (6.0" x 2.8")
Environmental Casing	Weatherproof (IP68), Vandal proof (IK10)
Mount Type	Surface, Rough Surface, Gang Box, Pendant, Tilted Mount, Wall Mount, Pole Mount, Corner Mount
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP68, NEMA 4X, IK10
Warranty	3 Year(s)

Extended Warranty

2 Year(s)

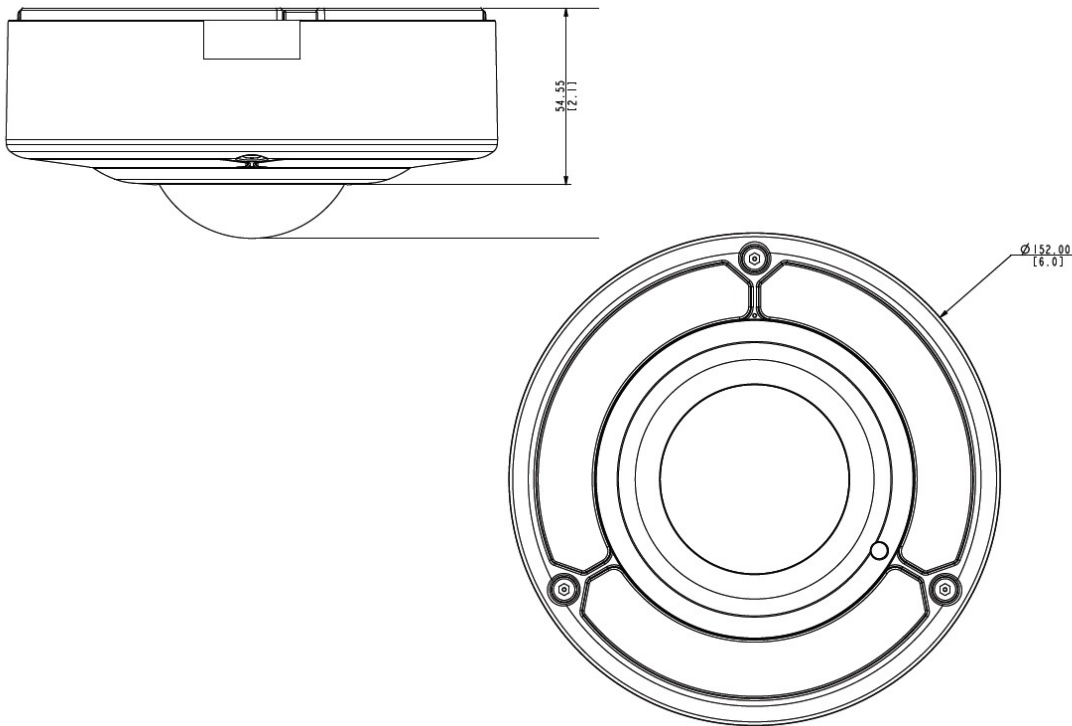
* To be available through future firmware upgrade

► Photo Indication



- 1 Light Sensor
- 2 Built-in Microphone
- 3 Audio and Video Output
- 4 Input / Output Connector
 - DC 12V Power Input
 - Digital Input / Output
- 5 Memory Card Slot
- 6 Reset Button
- 7 Ethernet Port
- 8 Audio Input / Output











► Dimension Diagram



Unit: mm [inch]

▶ Related Products

Mounting Accessories - Camera Mount

PMAX-0101		Mount Kit for all Dome Cameras (except Mini Domes)
PMAX-0102		Straight Tube
PMAX-0103		Straight Tube with Bracket
PMAX-0104		Extension Tube
PMAX-0302		Gooseneck with Bracket
PMAX-0303		Gooseneck
PMAX-0310		Tilted Wall Mount for Indoor Hemispheric/Fisheye Cameras
PMAX-0314		Heavy Duty Wall Mount for Outdoor Domes (for B8x, B9x, D7x, D8x, E7x [except E78], E8x, I7x)
PMAX-0330		10-Degree Tilted Wall Mount for Outdoor Hemispheric Cameras
PMAX-0338		35-Degree Tilted Wall Mount for Fisheye and Hemispheric Cameras
PMAX-0402		Corner Mount
PMAX-0503		Pole Mount (for PMA-0102, PMA-0312, PMA-0313, PMA-0314, PMA-0702, PMA-1106, PMA-1107), supports 5.25" to 8.5" Poles
PMAX-0504		Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMA-0330), supports 3.25" to 7.0" Poles
PMAX-0505		Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMA-0312, PMA-0313, PMA-0314, PMA-0330), supports 2" to 3" Poles
PMAX-0702		Junction Box for PTZ and Dome Cameras
PMAX-0802		Surface Mount for Outdoor Dome Cameras
PMAX-0804		Gang Box Converter for Outdoor Domes, supports Two-Gang Boxes
PMAX-0807		Gangbox Converter (for PMA-0102, PMA-0312, PMA-0313, PMA-0314, PMA-0321), supports Two-Gang Boxes

PMAX-0808



Converter Ring, 1.5" NPT for Third-Party Mounting Accessories

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

Other Accessories - Accessory Part

R707-70001



Conduit Gland for Dome Cameras