A713

5MP f1.1mm Outdoor Hemispheric Dome with IR LED 20m, WDR 135dB



- 5 Megapixel, f1.1mm, Hemispheric Dome
- IR LED 20m, Extreme WDR (135 dB)
- Frame Rate 60fps
- DORI (26.1 / 10.5 / 5.2 / 2.6m)
- Weatherproof (IP66), Vandal proof (IK10)
- Built-in TPM 2.0 security

Specifications

Product Profile

Product Type	Hemispheric Dome
Application Environment	Outdoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Effective Pixels	2592(H) X 1944(V) (5.04 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.01 lux at F2.4; B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
IR LED	Adaptive IR LED
IR Working Distance	20m
Color to B/W Switch	ISP based switch, configurable
Electronic Shutter	1-1/10000 second (manual mode); 1-1/10000 second (auto mode)

Horizontal Resolution (TV Lines)	1800 TVL
S/N Ratio	75 dB

Lens

Focal Length	Fixed focal, f1.1mm
Aperture	F2.4
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	197° (overview area)
Vertical Viewing Angle	197° (Fisheye View)

Video

Compression	H.265 Adaptive Stream, H.264 Adaptive Stream, MJPEG
Maximum Frame Rate vs. Resolution	(Camera-side Dewarped Views) (Camera-side Dewarped Views) (Overview) 30 fps at 1920 x 1920 30 fps at 1920 x 1080 30 fps at 1600 x 1200 30 fps at 1408 x 1408 27 fps at 960 x 960 27 fps at 960 x 720 27 fps at 960 x 544 (ePTZ View) 30 fps at 1920 x 1920 30 fps at 1920 x 1080 30 fps at 1600 x 1200 30 fps at 1408 x 1408 30 fps at 960 x 960 30 fps at 960 x 720 30 fps at 960 x 544 30 fps at 480 x 360 (360° Dewarped View) 30 fps at 1920 x 1920 30 fps at 1920 x 1080 30 fps at 1600 x 1200 60 fps at 1408 x 1408 60 fps at 960 x 960 27 fps at 960 x 720 27 fps at 960 x 544 (Quad Mode) 30 fps at 1920 x 1920 30 fps at 1920 x 1080 30 fps at 1600 x 1200 30 fps at 1408 x 1408 30 fps at 960 x 960 30 fps at 960 x 720 30 fps at 960 x 544 (180° Dewarped View) 30 fps at 1920 x 1080 30 fps at 1600 x 1200 30 fps at 960 x 720 30 fps at 960 x 544 (Multiple View) 30 fps at 1920 x 1920 30 fps at 1920 x 1080 30 fps at 1600 x 1200 30 fps at 1408 x 1408 30 fps at 960 x 960 30 fps at 960 x 720 30 fps at 960 x 544 (Original Fisheye Stream) 30 fps at 2688 x 1944 30 fps at 2592 x 1944 30 fps at 2688 x 1512 60 fps at 1920 x 1080 60 fps at 1280 x 1024 60 fps at 1280 x 720 60 fps at 800 x 600 60 fps at 720 x 480 60 fps at 640 x 480 60 fps at 352 x 240 60 fps at 320 x 240
View Mode	Fisheye View Dewarped View 270-degree Corner View Multiple View ePTZ View
Bit Rate	128Kbps - 12Mbps
Bit Rate Mode	Constant, Variable
Multi-Streaming	Simultaneous quad streams based on configurations of video resolution, compression format, and frame rate
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (135 dB)
Image Orientation	Flip, Mirror
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Saturation, Automatic gain control (AGC), Backlight compensation (BLC)
Privacy Mask	Yes, 5 configurable regions
Text Overlay	Yes
Built-in Analytics	Tampering Detection

Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	PCM, G.711, G.726

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, PPPoE, HTTP, HTTPS, DDNS, NTP, RTP, RTSP, SMTP, FTP, ICMP, ARP, UPnP, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 pigtail connector
Security	IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control, Support Trusted Platform Module 2.0 (TPM 2.0)

Detection Range

Observation Range	Detection: 26.1m Recognition: 5.2m Identification: 2.6m Observation: 10.5m

Event

Event Trigger	Video motion detection, Tampering detection, External device through digital input, Sound detection
Event Response	E-mail notification with snapshots, Save video to storage, Upload snapshot to FTP server, Activate external device through digital output

System

System Log	Support
Watchdog	Support

Integration

Unified Solution	Fully compatible with ACTi software
Edge Recording	Support (integration with NVR by ONVIF Profile G)
ONVIF Compliant	Profile S, Profile G, Profile T, Profile M
Web Browser	Microsoft Edge(IE mode), Microsoft Edge, Google Chrome, Firefox

Interface

Audio Interface	1/1, Cable with 3.5mm Phone Jack
Digital Input/Output	1/1 (Terminal block)
Operating Button	Reset Button

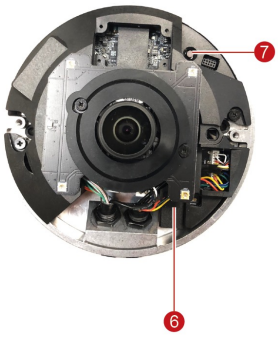
General

Power Source	DC 12V, PoE Class 0 (IEEE802.3af)
Power Consumption	12.95 W (PoE)
Weight	557.5g (1.23lb)
Dimensions	(Ø x H): 130mm x 57.8mm (5.11" x 2.28")
Environmental Casing	Weatherproof (IP66), Vandal proof (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Mount Type	Wall Mount, Pole Mount, Pendant, Corner Mount, Gang Box
Heater	Yes
Operating Temperature	-30°C ~55°C (-22°F ~ 131°F) heater on
Operating Humidity	10% - 90% RH, non-condensing
Approvals	CE Class A, FCC Class A, IP66, IK10

Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

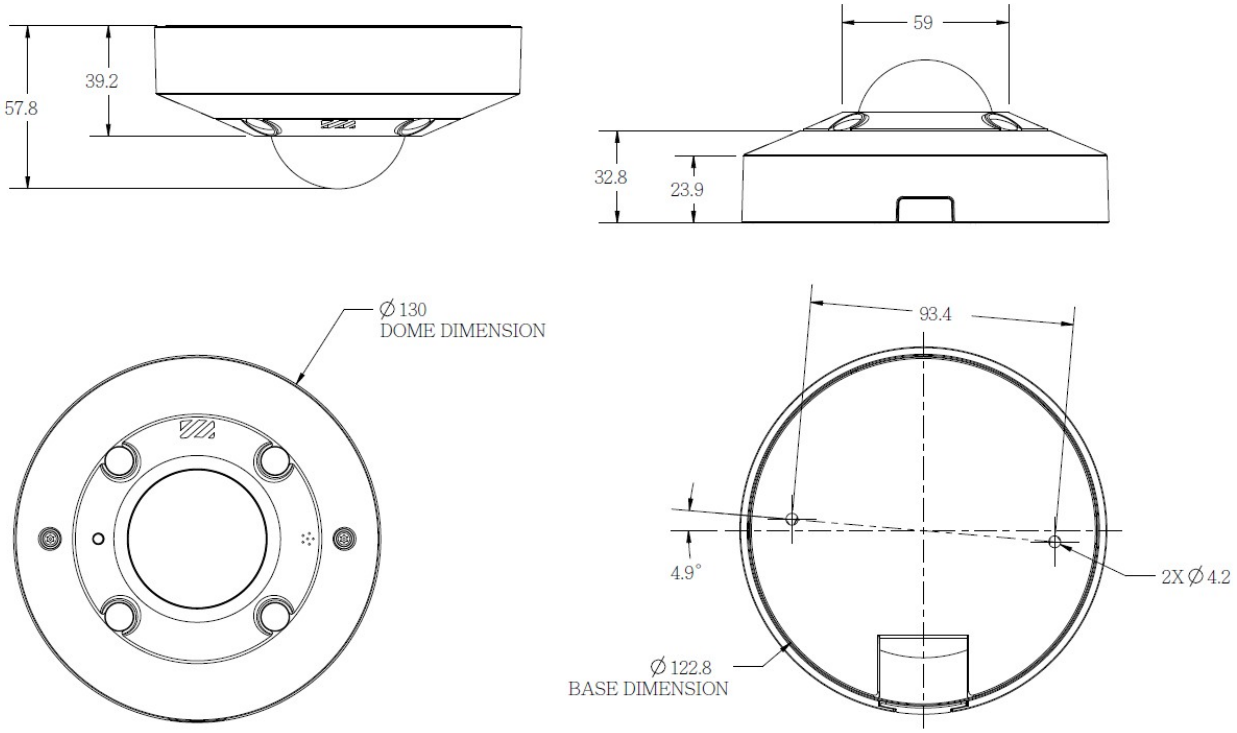
Photo Indication





1. DC 12V Power Input
2. Ethernet Port
3. Audio Input
4. Digital Input / Output
5. Audio Output
6. Memory Card Slot
7. Reset Button

Dimension Diagram



Unit: mm [inch]

Related Products

Mounting Accessories - Camera Mount

PMAX-0102		Straight Tube
PMAX-0103		Straight Tube with Bracket
PMAX-0130		Mount Kit (for A711, A713)
PMAX-0302		Gooseneck with Bracket
PMAX-0303		Gooseneck
PMAX-0354		Heavy Duty Wall Mount for A711, A713
PMAX-0355		10-Degree Tilted Wall Mount (for A711, A713)
PMAX-0356		35-Degree Tilted Wall Mount (for A711, A713)
PMAX-0402		Corner Mount
PMAX-0503		Pole Mount (for PMAX-0102, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0702, PMAX-1106, PMAX-1107), supports 5.25" to 8.5" Poles
PMAX-0702		Junction Box for PTZ and Dome Cameras
PMAX-0822		Gang Box Converter (for A711, A713)
PMAX-1033		Flush Mount (for A711, A713)

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

Dome Covers - Transparent Dome Cover

R701-90004		Dome Cover Housing with Transparent Dome Cover (for A711, A713)

Power Supply Accessories - Power Adapter

PPBX-0011		Power Adapter AC 100~240V, with universal connectors for all DC12V powered devices

Power Supply Accessories - PoE Injector

PPOE-0107		High PoE Injector IEEE 802.3at compliant, AC 100~240V, with universal connectors (for A416, A418, B913, B923, B934, Q450, Q75, VMGB-60X, Z37, Z71, Z952)

Network & Storage Peripherals - Memory Card

PMMC-0400		SanDisk 128GB MicroSDXC Class 10 Memory Card (SDSQQNR-128G-GN6IA)
PMMC-0500		Kingston 256GB MicroSDXC Class 10 UHS-1 Memory Card (SDCS2/256Gb)

2026/10/15

• For product and mounting accessory information, visit: www.acti.com/products and www.acti.com/mountingselector
• All specifications are subject to change without notice.