A711

12MP Deep Learning AI f1.65mm Outdoor Hemispheric Dome with IR LED 20m, WDR 135dB



- 12 Megapixel, f1.65mm, Hemispheric Dome
- Deep Learning AI
- 1/1.7" Sensor, IR LED 20m, Extreme WDR (135 dB)
- Color Min. Illumination 0.003 lux
- Smart Motion Detection, Smart Intrusion Protection
- Counting
- DORI (35.7 / 14.4 / 7.1 / 3.6m)
- Weatherproof (IP66), Vandal proof (IK10)
- Taiwan IoT Cybersecurity Certification

Specifications

Product Profile

Product Type	Hemispheric Dome
Application Environment	Outdoor
Maximum Resolution	12MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.7 "
Effective Pixels	4072(H) X 3046(V) x 1 (12.4 MP)
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.003 lux at F2.8; 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)	3000 TVL
S/N Ratio	75 dB

Lens

Focal Length	Fixed focal, f1.65mm
Aperture	F2.8
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	190° (overview area)
Vertical Viewing Angle	(Fisheye View) 190°

Video

Compression	H.265 Adaptive Stream, H.264 Adaptive Stream, MJPEG
Maximum Frame Rate vs. Resolution	(Fisheye View) 20 fps at 4000 x 3000 25 fps at 2992 x 2992 25 fps at 3840 x 2160 25 fps at 3200 x 1800 50 fps at 1920 x 1080 50 fps at 1280 x 1024 50 fps at 1280 x 720 50 fps at 1024 x 768 50 fps at 800 x 600 50 fps at 720 x 576 50 fps at 640 x 480 50 fps at 352 x 288 50 fps at 320 x 240 (Dewarped View) 30 fps at 2048 x 1536 30 fps at 1920 x 1080 30 fps at 1600 x 1200 30 fps at 960 x 720 30 fps at 960 x 544 (ePTZ View) 27 fps at 2976 x 2976 30 fps at 2048 x 2048 30 fps at 2048 x 1536 30 fps at 1920 x 1080 27 fps at 1600 x 1200 27 fps at 1408 x 1408 27 fps at 960 x 960 27 fps at 960 x 720 27 fps at 960 x 544 30 fps at 480 x 360
View Mode	Fisheye View Dewarped View ePTZ View
Bit Rate	128Kbps - 12Mbps
Bit Rate Mode	Constant, Variable
Multi-Streaming	Simultaneous quad streams
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
Privacy Mask	Yes
Text Overlay	Yes
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection), Smart Intrusion Protection (, People Line Crossing Detection, People Intrusion Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Intrusion Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection), Tampering Detection, Missing Object Detection, Unattended Object Detection, People Loitering Detection, People Flow Counting, People Density Counting, Vehicle Flow Counting, Vehicle Density Counting, Stopped vehicle detection, Incorrect Direction Detection, Heat Map

Analytics

Deep Learning AI	2.0

Audio

Audio Type	2-way, Line-in, Line-out

Audio Compression	G.711, G.726, PCM

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DDNS, NTP, RTP, RTSP, SMTP, FTP, IGMP, 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

Detection Range

Observation Range	Detection: 35.7m Observation: 14.4m Recognition: 7.1m Identification: 3.6m

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

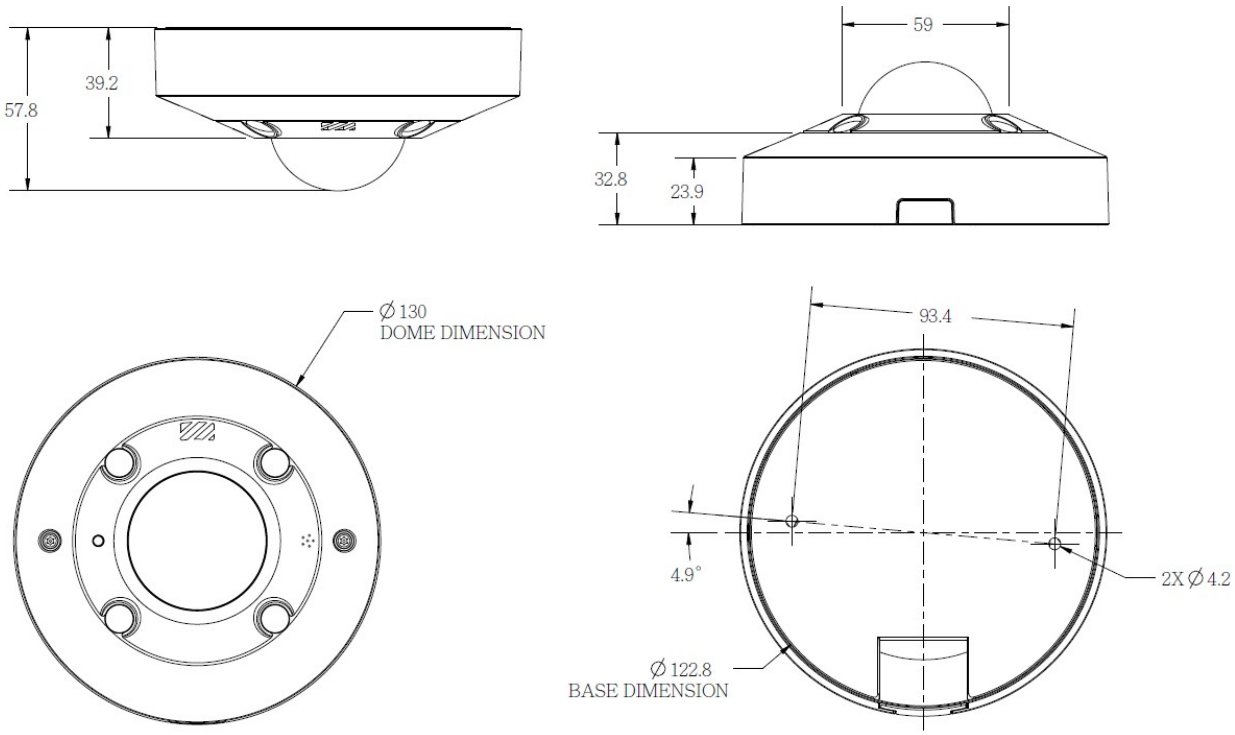
Audio Interface	1/1, Cable with 3.5mm Phone Jack
Digital Input/Output	1/1
Operating Button	Reset Button

General

Power Source	DC 12V, PoE Class 0 (IEEE802.3af)
Power Consumption	12.95 W (PoE), 11.16 W (DC)
Weight	560g (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	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	10% - 90% RH, non-condensing

Approvals	CE Class A, FCC Class A, IK10, Taiwan IoT Cybersecurity Certification (CNS-16120 Level 1)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

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)

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