A826

5MP Deep Learning AI 4.4x Outdoor Zoom Dome with IR LED 85m, WDR 135dB



- 5 Megapixel, 4.4x, Zoom Dome
- Deep Learning AI
- IR LED 85m, Extreme WDR (135 dB)
- Color Min. Illumination 0.001 lux
- Smart Motion Detection, Smart Intrusion Protection, Object Metadata
- Face Recognition, Counting
- Automatic License Plate Recognition
- DORI (54-240 / 21.8-96.8 / 10.8-48 / 5.4-24m)
- Weatherproof (IP66), Vandal proof (IK10)

Specifications

Product Profile

Product Type	Zoom Dome
Application Environment	Outdoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Effective Pixels	2688(H) X 1944(V) (5.23 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	B/W: 0.008 lux
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
IR LED	Adaptive IR LED x 8 (850 nm)
IR Working Distance	85m
Electronic Shutter	1-1/10000 second (manual mode); 1-1/10000 second (auto mode)
Horizontal Resolution (TV Lines)	1600 TVL

S/N Ratio	75 dB
Number of Traffic Lanes	1

Lens

Focal Length	Zoom, f2.7-12mm
Aperture	F1.6
Zoom Ratio	4.4x optical zoom, 10x digital zoom
Zoom Application	Camera Installation
Iris	P-Iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	102.1° - 31.5°
Vertical Viewing Angle	70.3° - 22.7°

Video

Compression	H.265 Adaptive Stream, H.264, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2688 x 1944 30 fps at 2592 x 1944 30 fps at 2688 x 1512 30 fps at 1920 x 1080 30 fps at 1280 x 1024 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 720 x 480 30 fps at 640 x 480 30 fps at 352 x 240 30 fps at 320 x 240
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, Rotation (Corridor mode) (90º, 180º, 270º)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness
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, Crowd Detection, People Loitering Detection, People Flow Counting, People Density Counting, Vehicle Flow Counting, Vehicle Density Counting, Face Detection, Face Capture, Face Matching, Face Recognition, Object Metadata (, Age Detection, Gender Detection, Face Mask Detection, Vehicle Type Detection, Vehicle Driving Direction Detection), Stopped vehicle detection, Incorrect Direction Detection, License Plate Detection, Automatic License Plate Recognition

Analytics

Camera Object Metadata	Age, Gender, Mask, Vehicle type, Vehicle driving direction
Deep Learning AI	2.0

Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	G.711, G.726, AAC, 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, SMB/CIFS (SAMBA)
Ethernet Port	1 x Ethernet (10/100/1000 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control

Detection Range

Observation Range	Detection: 54m-240m Observation: 21.8m-96.8m Recognition: 10.8m-48m Identification: 5.4m-24m

Event

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

System

Watchdog	Support

Integration

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

Storage

User Database	User Capacity: 10,000 (up to 5 images per person)
Blocklist/Allowlist	People: up to 15000 records, Vehicle: up to 100000 records

Interface

Audio Interface	1/1, Terminal block
Digital Input/Output	1/1 (Terminal block)
Operating Button	Reset Button

Installation

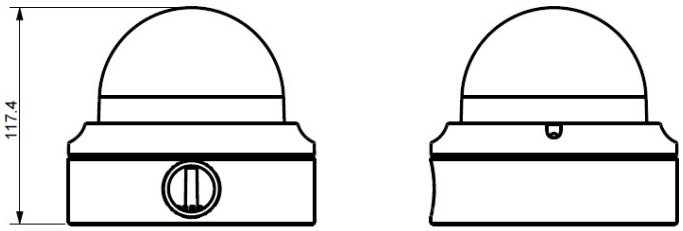
Vehicle Capture Speed	Front-Installation: 80 km/h Side-Installation: 60 km/h

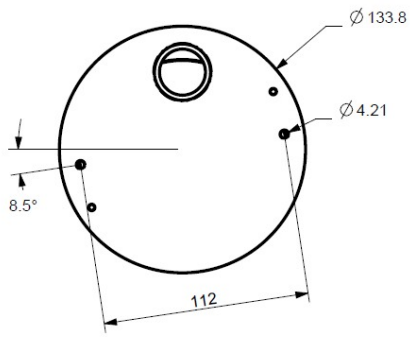
General

Power Source	DC 12V, AC 24V, PoE Class 0 (IEEE802.3af)
Power Consumption	11.63 W (DC), 12.76 W (AC), 12.94 W (PoE)
Weight	760g (1.19lb)
Dimensions	(Ø x H): 133.8mm x 117.4mm (5.27" x 4.62")
Environmental Casing	Weatherproof (IP66), Vandal proof (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Bundled Accessories	Weatherproof connector kit

Heater	Yes
Starting Temperature	-55°C ~ 55°C (-67°F ~ 131°F)
Operating Temperature	-55°C ~55°C (-67°F ~ 131°F) heater on (Limited zoom functionality at -55°C and may require manual focus)
Operating Humidity	10% - 90% RH, non-condensing
Approvals	CE Class A, FCC Class A, IP66, IK10
Color	White
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-0104		Extension Tube

PMAX-0302		Gooseneck with Bracket
PMAX-0303		Gooseneck
PMAX-0357		Wall Mount (for A826)
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-1035		Flush Mount (for A826)
PMAX-1405		Mount Kit (for A826)

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

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)