A817

8MP 4.3x Outdoor Zoom Dome with IR LED 40m, WDR 140dB

- 8 Megapixel, 4.3x, Zoom Dome
- IR LED 40m, Extreme WDR (140 dB)
- DORI (77.2-331 / 31.1-133.5 / 15.4-66.2 / 7.7-33.1m)
- Weatherproof (IP68), Vandal proof (IK10)

Specifications

Product Profile

Product Type	Zoom Dome
Product Application	Face, People and Car Detection
Application Environment	Outdoor
Maximum Resolution	8MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Effective Pixels	3864(H) X 2192(V) (8.46 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.03 lux (30 IRE); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	40m
Electronic Shutter	1/5-1/64000 second (manual mode); 1/5-1/64000 second (auto mode)
Horizontal Resolution (TV Lines)	2000 TVL

S/N Ratio	75 dB

Lens

Focal Length	Zoom, f2.8-12mm
Aperture	F1.3
Zoom Ratio	4.3x optical zoom
Zoom Application	Camera Installation
Iris	Adaptive iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	103.6° - 31.1°
Vertical Viewing Angle	56.8° - 17.4°
Viewing Angle Adjustment	Pan: 360°, Tilt: 90°, Rotation: ±90°

Video

Compression	H.265 Adaptive Stream, H.264, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 3840 x 2160 (4K Ultra HD) 30 fps at 2592 x 1944 30 fps at 2048 x 1536 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 720 x 480 30 fps at 640 x 480 30 fps at 480 x 360 30 fps at 360 x 270
Bit Rate Mode	Constant, Variable
Multi-Streaming	Simultaneous triple streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (140 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode)
Image Enhancement	White Balance, Brightness, Backlight compensation (BLC), Contrast, Saturation, Sharpness, Automatic gain control (AGC), Flickerless, Digital Image Stabilizer (DIS, EIS)
Privacy Mask	4 configurable regions
Text Overlay	Yes
On-Screen Graphics (Picture Overlay)	Yes
Built-in Analytics	Deep Learning : Face Detection, People Detection, Vehicle Detection, Tampering Detection, People Line Crossing Detection, People Enter Area Detection, People Exit Area Detection, People Loitering Detection

Audio

Audio Type	2-way, Mic-in, Line-in, Line-out
Audio Compression	8 kHz, Mono, G.711 u-law

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, 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, Anonymous login, IEEE 802.1X network access control

Detection Range

Observation Range	Detection: 77.2m-331m Observation: 31.1m-133.5m Recognition: 15.4m-66.2m Identification: 7.7m-33.1m

Event

Event Trigger	Video motion detection (3 regions), External device through digital input, Sound detection, Intelligent event detection, Video streams loss
Event Response	Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, Play the audio file, Push notification to mobile device, Save video to storage, Upload video to NVR server, Upload video or snapshot to FTP server, Activate external device through digital output

System

System Monitor	CPU loading, memory usage and network statistics via API
Watchdog	Support

Integration

Unified Solution	Fully compatible with ACTi software
GPS Position	Manual setting
Edge Recording	Support (integration with NVR by ONVIF Profile G or proprietary protocol)*
ONVIF Compliant	Profile S, Profile G, Profile Q, Profile T, Profile M
Web Browser	IE 11, Google Chrome, Microsoft Edge, Apple Safari
Auto Firmware Upgrade	Yes

Interface

Audio Interface	1/1, Terminal block
Digital Input/Output	1/1 (Terminal block), DC Output Voltage: 5V
Operating Button	Reset Button

General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	12.95 W (PoE)
Weight	1231g (2.71lb)
Dimensions	(Ø x H): 139.38mm x 129.75mm (5.48" x 5.10")
Environmental Casing	Weatherproof (IP68), Vandal proof (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	10% - 85% RH, non-condensing
Approvals	CE Class B, FCC Class B, IP67, IK10
Color	White
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

* Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.

Related Products

Mounting Accessories - Camera Mount

PMAX-0102		Straight Tube
PMAX-0103		Straight Tube with Bracket
PMAX-0104		Extension Tube
PMAX-0113		Pendant Mount (for A8x, except A88)
PMAX-0127		Mount Kit (for Z83, Z84, Z810, A811, A818)
PMAX-0357		Wall Mount (for A826)
PMAX-0511		Pole Mount (for A8x), supports 5.25" to 8.5" Poles
PMAX-0810		Mount Kit and Converter Ring, 1.5" NPT for Third-Party Mounting Accessories (for A8x, except A88)
PMAX-0813		Gang Box Converter (for A8x, except A88), supports Two-Gang Boxes
PMAX-1027		Flush Mount (for A61, A62, A8x, except A88)
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)

Audio Devices - Microphone

PMIC-0100		Active Microphone Omnidirectional for all Cameras with Line-in Audio

PMIC-0201		Passive Microphone Omnidirectional for all Cameras with Mic-In Audio using Cable Wire or Terminal Connector, 2m cable

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