Z85

2MP 4.3x Outdoor Zoom Dome with IR LED 40m, WDR 120dB



- 2 Megapixel, 4.3x, Zoom Dome
- IR LED 40m, Superior WDR (120 dB)
- Color Min. Illumination 0.005 lux
- Weatherproof (IP68), Vandal proof (IK10), UL Listed

Specifications

Product Profile

Product Type	Zoom Dome
Application Environment	Outdoor
Maximum Resolution	2MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.005 lux at F1.6 (AGC on); B/W: 0 (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED x 2 (850 nm)
IR Working Distance	40m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Zoom, f2.8-12mm

Aperture	F1.6
Zoom Ratio	4.3x optical zoom
Zoom Application	Camera Installation
Focus	Auto focus
Horizontal Viewing Angle	102.1° - 33°
Vertical Viewing Angle	56° - 18.7°
Viewing Angle Adjustment	Pan: 3°-360°, Tilt: 0°-70°, Rotation: 3°-360°

Video

Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 720 x 576 30 fps at 704 x 288 30 fps at 640 x 360 30 fps at 352 x 288
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Superior WDR (120 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode)
Image Enhancement	White Balance, Backlight compensation (BLC), Brightness, Contrast, Sharpness, Automatic gain control (AGC), Defogging
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Tampering Detection, Object Line Crossing Detection, Intrusion Detection (Forbidden Area Detection)

Audio

Audio Type	1-way, Built-in Microphone
Audio Compression	G.711

Network

Network Protocol & Service	IPv4, TCP, UDP, DHCP, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, SNMP, QoS, SSL
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 pigtail connector
Security	IP address filtering, HTTPS encryption, Password protected user level

Event

Event Trigger	Video motion detection (4 regions), Sound detection, Intelligent event detection
Event Response	E-mail notification with snapshots, Upload snapshot to FTP server, Save video or snapshot to storage

Integration

Edge Recording	Support (integration with NVR by ONVIF Profile G)
ONVIF Compliant	Yes, Profile S, Profile G, Profile T
Web Browser	IE 11, Google Chrome, Microsoft Edge, Firefox

Interface

Operating Button	Reset Button

General

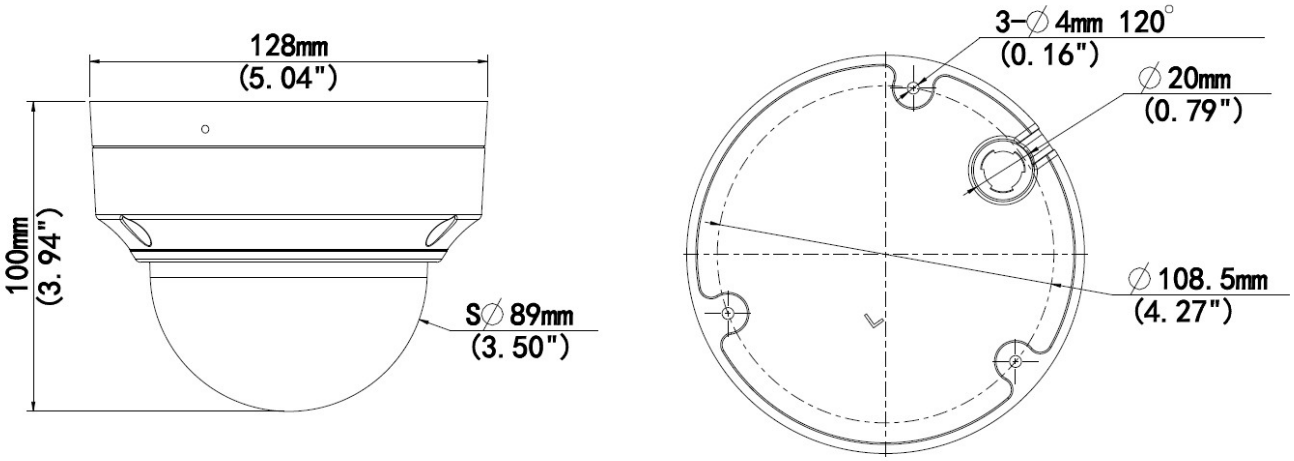
Power Source	DC 12V, PoE (IEEE802.3af)
Power Consumption	7.5 W (PoE)
Weight	785g (1.73lb)
Dimensions	(Ø x H): 128mm x 100mm (5.0" x 3.9")
Environmental Casing	Weatherproof (IP68), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Humidity	10% - 95% RH, non-condensing
Approvals	CE Class B, FCC Class B, IP68, IK10 (metal casing), UL Listed
Real-time Clock (RTC)	No
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Photo Indication



1. Built-in Microphone
2. Reset Button
3. DC 12V Power Input
4. Ethernet Port

Dimension Diagram



Unit: mm [inch]

Related Products

Turret - Zoom Turret

Z81		2MP Outdoor Zoom Turret with D/N, Adaptive IR, Extreme WDR, SLLS, 4.4x Zoom lens, f2.7-12mm/F1.4 (HOV: 94°-28°), Auto Focus (for installation), H.265/H.264, 1080p/30fps, 2D+3D DNR, Built-in Microphone, PoE/DC12V, IP67
Z814		4MP Outdoor Zoom Turret with D/N, Adaptive IR, Superior WDR, SLLS, 4.3x Zoom lens, f2.8-12mm/F1.6 (HOV: 89.4° - 29.3°), Auto Focus (for installation), H.265/H.264, 2D+3D DNR, Built-in Microphone, PoE/DC12V, IP68, IK10
Z82		4MP Outdoor Zoom Turret with D/N, Adaptive IR, Extreme WDR, SLLS, 4.4x Zoom lens, f2.7-12mm/F1.4 (HOV: 91°-27°), Auto Focus (for installation), H.265/H.264, 1080p/30fps, 2D+3D DNR, Built-in Microphone, PoE/DC12V, IP67
Z87		4MP Outdoor Zoom Turret with D/N, Adaptive IR, Superior WDR, SLLS, 4.3x Zoom lens, f2.8-12mm/F1.6 (HOV:99.8°-30.7°), Auto Focus (for installation), H.265/H.264, 2D+3D DNR, Built-in Microphone, PoE/DC12V, IP67

Mounting Accessories - Camera Mount

PMAX-0128		Pendant Mount (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)
PMAX-0134		Extension Tube, 200 mm (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)
PMAX-0323		Wall Mount with Built-in Junction Box (for Z9x, Z724, Z77, Z8x, Z972, A7X, Q550)
PMAX-0366		Wall Mount with Built-in Junction Box (for Z9x, Z724, Z77, Z8x, Z972, A7X, Q550)
PMAX-0409		Corner Mount (for A7x, Z714, Z724, Z8x, Z9x, Z972, Q550, K3x, K5x, K7x)
PMAX-0527		Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550), supports 2.64" to 5" Poles
PMAX-0532		Pole Mount (for Z5x, Z724, Z8x, Z9x, Z972, A7X, Q550), supports 2.6" to 5" Poles
PMAX-0538		Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550, K3x, K5x, K7x) , supports 2.64" to 5" Poles
PMAX-0713		Junction box (for Z724, Z81, Z82, Z85, Z86, Z87, Z972, Q550)
PMAX-0736		Junction Box (for Z724, Z81, Z82, Z85, Z86, Z87, Z812, Z813, Z814, Z914, Z972, Q550)

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

Dome Covers - Transparent Dome Cover

R701-70013		Z85/Z86/ Z812/Z813 Dome Cover

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)

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