

A317

16MP Deep Learning AI LightGuard Hemispheric Bullet with IR LED 40m, White LED 40m, Smart Dual Light, WDR 130dB



- 16 Megapixel, Hemispheric Bullet
- Deep Learning AI, LightGuard
- 1/1.8" Sensor, IR LED 40m, Extreme WDR (130 dB)
- White LED 40m, Smart Dual Light, Color Min. Illumination 0.0008 lux
- Smart Motion Detection, Smart Intrusion Protection
- DORI (80 / 32 / 16 / 8m)
- Weatherproof (IP68), Vandal proof (IK10), NEMA 4X, Anti-Corrosion

► Specifications

Product Profile

Product Type	Hemispheric Bullet
Application Environment	Outdoor
Maximum Resolution	16MP
Sensor Size	1/1.8 "
Day / Night	Yes
Low Light Sensitivity	Extreme
LightGuard	Yes
Minimum Illumination	Color: 0.0008 lux at F1.0 (AGC on); B/W: 0 lux (Light on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED (850 nm)
IR Working Distance	40m
White LED	Yes
White LED Working Distance	40m
Smart Dual Light	Yes. Default IR; White Light can be enabled through configuration.
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Fixed focal, f2.8mm
Aperture	F1.0-F1.6 (Visual camera)
Horizontal Viewing Angle	182.2°
Vertical Viewing Angle	71.2°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-90°, Rotation: 0°-360°

Video

Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.265, H.264 Adaptive Stream (equivalent to Zip or Smart Stream or H.264+), H.264, MJPEG
Maximum Frame Rate vs. Resolution	(60Hz) 15 fps at 5968 x 2688 (16MP) 15 fps at 4096 x 1856 (8MP) 15 fps at 1200 x 536 (1MP) 15 fps at 960 x 432 (<1 MP)
View Mode	Dewarped View
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Extreme WDR (130 dB)
Image Enhancement	White Balance, Backlight compensation (BLC), Highlight compensation (HLC), Brightness, Contrast, Saturation, Sharpness, Defogging
Privacy Mask	4 configurable regions
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

Analytics

Deep Learning AI	1.0
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Audio

Audio Type	2-way, Built-in Microphone, Built-in Speaker, Line-in, Line-out
Audio Compression	G.711, G.722.1, G.726, MP2L2, AAC, PCM

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, SFTP, IGMP, ICMP, UPnP, QoS, SSL/TLS, SNMP, IEEE 802.1X
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Maximum User Connections	32
Security	IP address filtering, HTTPS encryption, TLS v1.2, TLS v1.3 encrypted communication, Password protected user level, Password Strength Indicator, AES256 Video Encryption

Detection Range

Observation Range	Detection: 80m Observation: 32m Recognition: 16m Identification: 8m
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Event

Event Trigger	Video motion detection, External device through digital input, Tampering detection
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Event Response

Notify control center, E-mail notification with snapshots, Save video to NAS storage via NFS or SMB/CIFS (SAMBA), Active Deterrence (Sound and Light Alarm), Activate external device through digital output

Integration

ONVIF Compliant

Profile S, Profile G, Profile T

Web Browser

Microsoft Edge, Google Chrome, Firefox, Apple Safari

Interface

Audio Interface

Built-in microphone x2, Built-in Speaker, Terminal block

Digital Input/Output

2/2

Operating Button

Reset Button

General

Power Source

DC 12V, PoE Class 4 (IEEE802.3at)

Power Consumption

20 W (DC), 24 W (PoE)

Weight

1460g(3.22lb)

Dimensions

(W x H x D): 118.6mm x 78mm x 340.1mm (4.7" x 3.1" x 13.4")

Environmental Casing

Weatherproof (IP68), Vandal proof metal casing (IK10)

Corrosion Protection

Yes

Operating Temperature

-40°C ~ 60°C (-40°F ~ 140°F)

Operating Humidity

≤95% RH, non-condensing

Approvals

CE Class B, FCC Class B, IP68, IK10 (metal casing), NEMA 4X (NEMA 250-2018 Type 4X)

Color

White

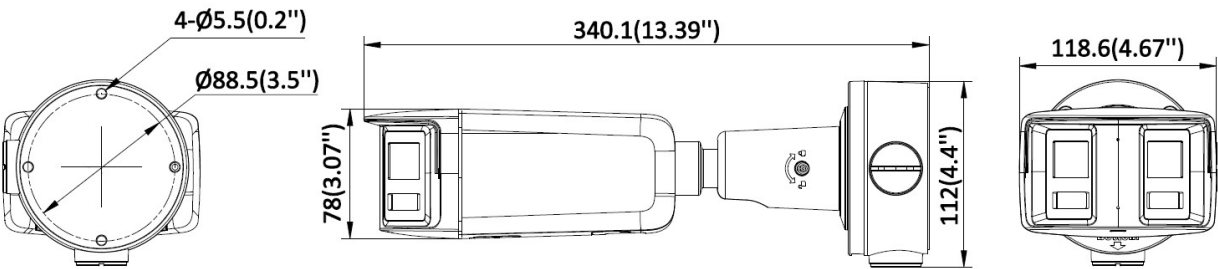
Material

Camera with Integrated Bracket: Metal

Warranty

3 Year(s)

► Dimension Diagram



Unit: mm(inch)

Unit: mm [inch]

► Related Products

Mounting Accessories - Camera Mount

PMAX-0407		Corner Mount (for A42x, A42xD, A570, A570-P1, A570-P2, A7xD, A82xD, VMGB-359, VMGB-359-P1)
PMAX-0524		Pole Mount (for A46, A421, A422, A423, A425, VMGB-359), supports 2.64" to 5" Poles

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