Q450

8MP (2x4MP) 2-Sensor 180° Bullet with IR LED 20m, WDR 135dB



- 8 Megapixel, f2.8mm, 2-Sensor 180° Bullet
- 1/1.8" Sensor, IR LED 20m, Extreme WDR (135 dB)
- Color Min. Illumination 0.003 lux
- DORI (106.7 / 43 / 21.3 / 10.7m)
- Weatherproof (IP66), Vandal proof (IK10)

Specifications

Product Profile

Product Type	2-Sensor 180° Bullet
Application Environment	Outdoor
Maximum Resolution	8MP
Image Sensor	Progressive Scan CMOS (4MP x2)
Sensor Size	1/1.8 "
Effective Pixels	2704(H) X 1568(V) (4 MP)
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.003 lux; B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	20m
Electronic Shutter	1-1/10000 second (auto mode)
S/N Ratio	75 dB

Lens

Number of Lenses	2 Lenses

Focal Length	Fixed focal, f2.8mm
Aperture	F1.6
Focus	Fixed focus
Horizontal Viewing Angle	182°
Vertical Viewing Angle	57.4°

Video

Compression	H.265 Adaptive Stream, H.264, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 5120 x 1440 30 fps at 2560 x 720 30 fps at 1280 x 360
Multi-Streaming	Simultaneous quad streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (135 dB)
Video Stitching	Seamless Video Stitching Minimum Stitching Distance: 450 cm
Built-in Analytics	Tampering Detection

Audio

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

Network

Network Protocol & Service	IPv4/v6, ARP, ICMP, IGMP, PPPoE, QoS, TCP, UDP, DHCP, UPnP, SNMP, SMTP, RTP, RTSP, HTTP, HTTPS, FTP, NTP, DDNS, IEEE 802.1X
Ethernet Port	1 x Ethernet (1000 Base-T), RJ-45 connector
Security	Password protected user level, IP address filtering, HTTPS encryption, IEEE 802.1X network access control

Detection Range

Observation Range	Detection: 106.7m Observation: 43m Recognition: 21.3m Identification: 10.7m

Event

Event Trigger	Video motion detection, Tampering detection, Sound detection, External device through digital input
Event Response	Send E-mail Notification, Save video to storage, Upload snapshot to FTP server, Activate external device through digital output

System

Watchdog	Support

Integration

ONVIF Compliant	Yes, Profile S, Profile G, Profile T
Web Browser	Google Chrome, Firefox

Interface

Audio Interface	1/1, Cable with 3.5mm Phone Jack
Digital Input/Output	2/1 (Terminal block)
Operating Button	Reset Button

General

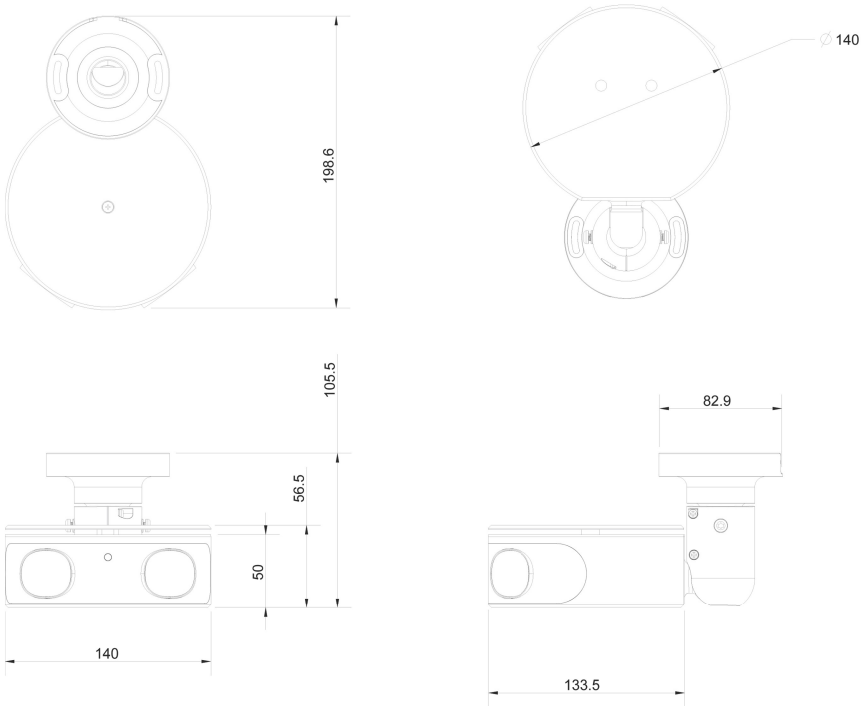
Power Source	AC 24V, PoE (IEEE802.3af)
Power Consumption	12.95 W (PoE, IR on), 15.86 W (AC, IR on)
Dimensions	(Ø x L): 140mm x 105.5mm (5.51" x 4.15")
Environmental Casing	Weatherproof (IP66), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Operating Temperature	-40°C ~ 55°C (-40°F ~ 131°F)
Operating Humidity	10% - 90% RH, non-condensing
Approvals	CE Class A, FCC Class A, IP66, IK10 (metal casing)
Material	Metal Plastic
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Photo Indication



1. Ethernet Port
2. Power Connector
3. Digital Input / Output

Dimension Diagram



Unit: mm [inch]

Related Products

Mounting Accessories - Camera Mount

PMAX-0534		Pole Mount with Junction Box (for Q450) supports 3.25" to 7.0" Poles
PMAX-0728		Junction Box (for Q450, A426)

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-0015		Power Adapter AC 100~240V (12V/2A Output), with universal connectors for R21CF-xx

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