

Q31

0.46MP Thermal Imaging Thermal Bullet with Fixed Lens



- Thermal Imaging
- 0.46 Megapixel
- Fixed Lens with f20mm/F1.0
- Event trigger, response and notification

► Specifications

Device

Product Type	Thermal Bullet
Maximum Resolution	0.46MP
Product Application	Thermal Imaging
Application Environment	Outdoor
Image Sensor	Thermal
Effective Pixels	384(H) X 288(V) (0.1 MP)
Spectral Range	8-14μm
Thermal Sensitivity	NETD <40mK at F1.0
Day / Night	No
Low Light Sensitivity	Standard
Mechanical IR Cut Filter	No
IR LED	No

Lens

Focal Length	Fixed focal, f20mm
Aperture	F1.0
Iris	Fixed iris

Focus	Manual focus
Lens Mount	Board mount
Horizontal Viewing Angle	18.5°
Observation Range	Detection: People 453.33m; Vehicle 826.67m Recognition: People 170m; Vehicle 310m Identification: People 90.67m; Vehicle 165.33m

Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	(NTSC) 30 fps at 960 x 480 30 fps at 720 x 480 (PAL) 25 fps at 960 x 576 25 fps at 720 x 576
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28Kbps - 6Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Brightness, Saturation, Contrast, Sharpness, Automatic gain control
Color Palette	10 different color palettes (Grey, Iron, Rain, Yellow, Fire, Blue Red)
Privacy Mask	4 configurable regions
Text Overlay	Yes
Server-based Analytics	Object Line Counting, People Counting, Face Detection, Object Based Motion Detection, Tamper, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Smoke Detection, Heat Map, Dwell Time, Direction Detection, Automatic License Plate Recognition, People Queue Detection, (Require PC-based or standalone IVS or ALPR Server. Contact ACTi support for recommendations on how to maximize analytical accuracy)
Image Orientation	Mirror, Flip

Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	8 kHz, 16 bit encoding, Mono, PCM, G.711

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 RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

Event

Event Trigger	Video motion detection (9 regions), External device through digital input, Sound detection,
Event Response	Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, Upload video or snapshot to FTP server, Activate external device through digital output

Integration

Unified Solution	Fully compatible with ACTi software
GPS Position	Manual setting
ONVIF Compliant	Yes, Profile S
Web Browser	IE 11

Auto Firmware Upgrade	Yes, (To be available through future firmware upgrade)
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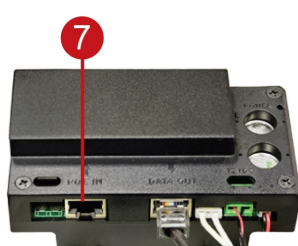
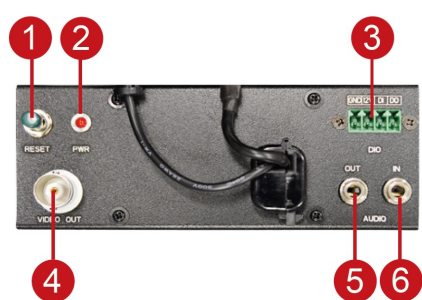
Interface

Audio Interface	1/1, 3.5mm Phone Jack
Analog Video Output	1 x CVBS, BNC connector
Digital Input/Output	1/1 (Terminal block)

General

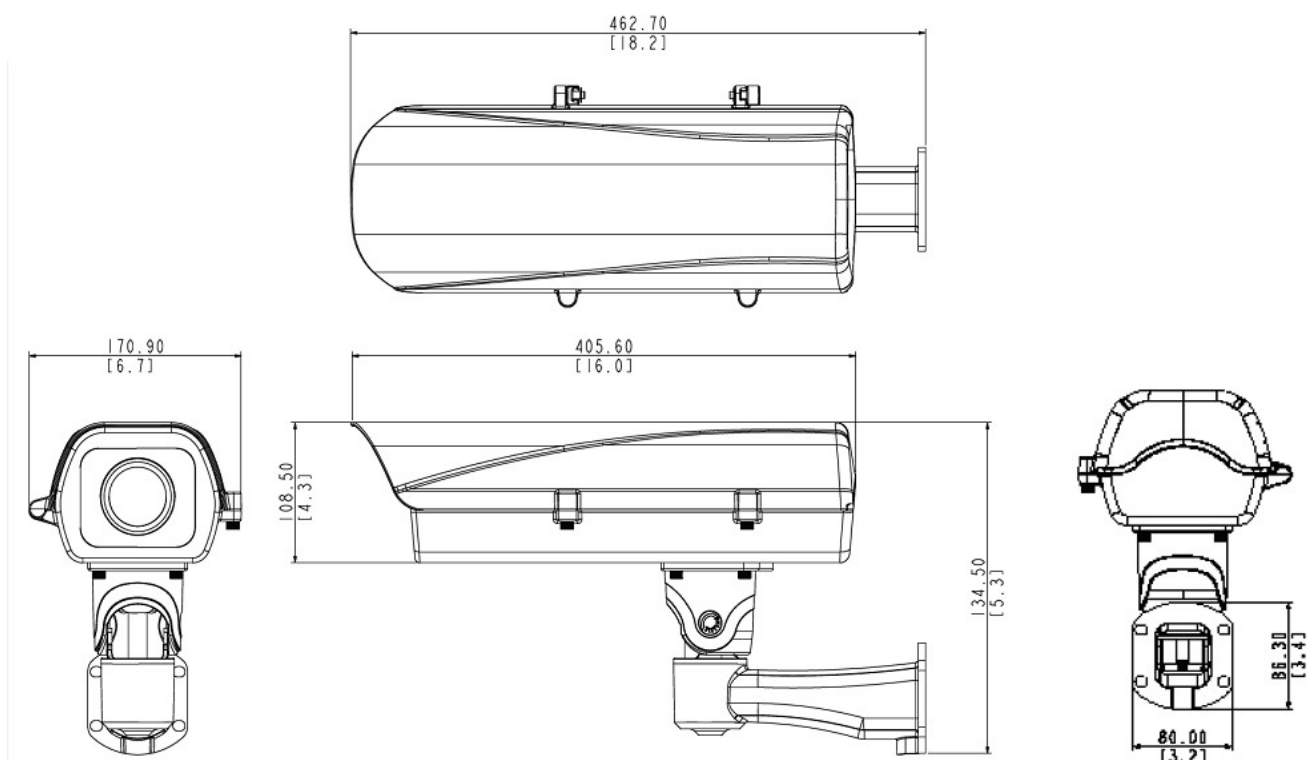
Power Source	High PoE
Power Consumption	30 W (PoE, heater and fan on)
Weight	3892g (8.582lb)
Dimensions	(W x H x D): 170.9mm x 134.5mm x 462.7mm (6.73" x 5.29" x 15.97")
Environmental Casing	Weatherproof (IP68), Vandal proof metal casing (IK10)
Bundled Accessories	Integrated bracket
Mount Type	Surface, Wall Mount, Pole Mount
Fan	Yes
Heater	Yes
Starting Temperature	-40°C ~ 55°C (-40°F ~ 131°F)
Operating Temperature	-40°C ~ 55°C (-40°F ~ 131°F)
Operating Humidity	10% - 85% RH
Approvals	CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B), IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector)
Warranty	3 Year(s)

► Photo Indication



- 1 Reset Button
- 2 Power LED
- 3 Digital Input/Output
- 4 Analog Video Output
- 5 Audio Output
- 6 Audio Input
- 7 Ethernet Port

► Dimension Diagram



Unit: mm [inch]

▶ Related Products

Mounting Accessories - Camera Mount

PMAX-0508		Pole Mount (for PMAX-0203, PMAX-0204, PMAX-0205, PMAX-0206, PMAX-0704), supports 3" to 9" Poles
PMAX-0704		Junction Box (for A4x, B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAX-0203~PMAX-0205)

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

Network & Storage Peripherals - Data Switch

PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
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