

A376-P2

5MP Deep Learning AI f9.7mm Thermal Bullet with IR LED 80m, White LED 80m, Smart Dual Light, WDR 120dB



- 5 Megapixel, f9.7mm, Thermal Bullet
- Deep Learning AI
- IR LED 80m, Superior WDR (120 dB)
- White LED 80m, Smart Dual Light
- Smart Intrusion Protection
- Weatherproof (IP68), Vandal proof (IK10)
- Overheating Detection, Fire Detection, Thermal Surveillance
- Thermal Resolution 160(H) X 120(V), NETD <25mK
- Fire detection up to 74.4m

► Specifications

Product Profile

Product Type	Thermal Bullet
Product Application	Overheating Detection, Fire Detection, Thermal Surveillance
Application Environment	Outdoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS + Thermal sensor
Sensor Size	Optical: 1/2.7"
Effective Pixels	Thermal: 160(H) X 120(V) Optical: 2688(H) X 1944(V)
Pixel Interval	12 μm
Spectral Range	8-14 μm
Thermal Sensitivity	NETD <25mK at F1.0
Spatial Resolution	1.24 mrad
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.0089 lux at F1.6 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED

IR Working Distance	80m
White LED	Yes
White LED Working Distance	80m
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

Live View

Digital Zoom	Yes
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Lens

Number of Lenses	2 Lenses
Focal Length	Fixed focal, f9.7mm (Thermal camera) Fixed focal, f12.4mm (Visual camera)
Aperture	F1.0 (Thermal camera) F1.6 (Visual camera)
Lens Mount	Board mount
Horizontal Viewing Angle	18° (Thermal camera) 24.6° (Visual camera)
Vertical Viewing Angle	13.5° (Thermal camera) 14° (Visual camera)

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	(Visual camera) 30 fps at 2688 x 1944 30 fps at 2688 x 1520 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 704 x 480 30 fps at 352 x 240 (Thermal camera) 25 fps at 1920 x 1080 25 fps at 1280 x 960 25 fps at 1280 x 720 25 fps at 704 x 576 25 fps at 640 x 512 25 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Superior WDR (120 dB)
Image Enhancement	Brightness, Contrast, Sharpness, Automatic gain control (AGC)
Color Palette	17 different color palettes
Built-in Analytics	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), Smoking Detection, Temperature Detection, Fire Detection, Sun-reflection Filter

Analytics

Deep Learning AI	1.0
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Audio

Audio Type	2-way, Mic-in, Line-in, Line-out
Audio Compression	G.711, G.722.1, G.726, MP2L2, PCM

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, SFTP, IGMP, ICMP, ARP, UPnP, Bonjour, QoS, SSL, 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, Password protected user level, IEEE 802.1X network access control

Temperature Measurement

Temperature Measurement Rules	3 types (point, area, line), up to 21 rules in total (10 points, 10 areas, 1 line)
Temperature Range	-20°C ~ 300°C (-4°F ~ 572°F)
Temperature Accuracy	±8°C (14.4°F)

Detection Range

Triggering Analytics Event Notification	(People 1.8x0.5m) 100m (Vehicle 1.4x4.0m) 300m (Supported Analytics Events included Line Crossing Detection, Enter Area Detection and Exit Area Detection for People, Vehicle and any objects.)
Triggering Temperature Notification	(Object 0.5x0.5m) 80m (Object 0.2x0.2m) 32.3m ()
Triggering Fire Detection Event Notification	(Object 0.5x0.5m) 74.4m
Triggering Smoking Detection Event Notification	14.55m
Observation Range	Detection: People 404m; Vehicle 1239m Recognition: People 101m; Vehicle 310m Identification: People 50m; Vehicle 155m (People: 1.8 x 0.5m) (Vehicle: 1.4 x 4.0m)

Event

Event Trigger	External device through digital input, Intelligent event detection, Temperature Exception Detection (up to 10 points, 10 areas and 1 line)
Event Response	Activate external device through digital output, E-mail notification with snapshots, Save video or snapshot to storage, Upload video or snapshot to FTP server, Play alert sound

Integration

Web Browser	IE 11 or newer, Google Chrome, Firefox
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Interface

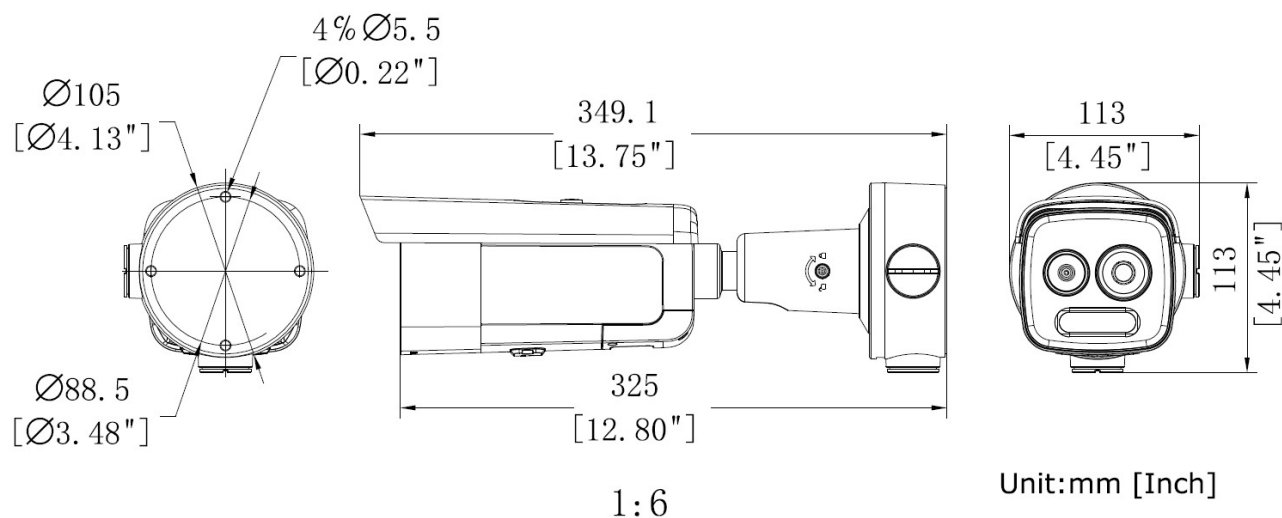
Serial Port	1 x RS-485
Audio Interface	1/1, Cable with 3.5mm Phone Jack
Digital Input/Output	2/2

General

Power Source	DC 12V, PoE Class 4 (IEEE802.3at)
Power Consumption	24 W (DC), 24 W (PoE)
Weight	1710g (3.77lb)
Dimensions	(L x W x H): 349.1mm x 105mm x 113mm (13.75" x 4.13" x 4.45")
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	-40°C ~ 65°C (-40°F ~ 149°F)

Operating Humidity	≤95% RH, non-condensing
Approvals	CE Class A, FCC Class A, IP68, IK10 (metal casing)
Color	White
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

► Dimension Diagram



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.

Network & Storage Peripherals - Data Switch

PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-0108		8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 120W)
PPSW-0109		8-Port 802.3at Smart Managed PoE Switch (PoE Budget 120W)
PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)

PPSW-1107		24-port 10/100/1000Mbps PoE, Smart Managed Gigabit Ethernet PoE Switch
PPSW-2105		4-Port 802.3at Smart Managed Gigabit PoE Switch
PPSW-3101		16-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)
PPSW-3103		16-Port 802.3at PoE Switch (PoE Budget 250W)
PPSW-3104		16-Port 802.3at Smart Managed PoE Switch (PoE Budget 250W)
PPSW-3402		16-Port 10/100/1000T 802.3bt PoE + 8-Port 10/100/1000T + 4-Port 10G SFP+ Managed Ethernet Switch
PPSW-4205		24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch (PoE Budget 300W)