

# A374

**4MP Deep Learning AI f3.6mm Thermal Bullet with IR LED 30m, White LED 30m, Smart Dual Light, WDR 120dB**



- 4 Megapixel, f3.6mm Thermal Bullet
- Smart Dual Light
- H.265 Compression
- Wide Angle

## ► Specifications

### Product Profile

Product Type	Thermal Bullet
Product Application	Overheating Detection, Fire Detection, Thermal Surveillance
Application Environment	Outdoor
Maximum Resolution	4MP
Image Sensor	Progressive Scan CMOS + Thermal sensor
Sensor Size	Optical: 1/2.7"
Effective Pixels	Thermal: 256(H) X 192(V) Optical: 2688(H) X 1520(V)
Pixel Interval	12 μm
Spectral Range	8-14 μm
Thermal Sensitivity	NETD <40mK at F1.0
Spatial Resolution	3.33 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	30m
White LED	Yes
White LED Working Distance	30m
Smart Dual Light	Yes
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, f3.6mm (Thermal camera) Fixed focal, f4.3mm (Visual camera)
Aperture	(Thermal camera) F1.0 (Visual camera) F1.6
Iris	Fixed iris
Horizontal Viewing Angle	(Thermal camera) 50° (Visual camera) 84°
Vertical Viewing Angle	(Thermal camera) 37.3° (Visual camera) 43.1°

**Video**

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	(Visual camera) (60Hz) 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 (50Hz) 25 fps at 2688 x 1520 25 fps at 1920 x 1080 25 fps at 1280 x 720 25 fps at 704 x 576 25 fps at 352 x 288 (Thermal camera) 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	White Balance, Automatic gain control (AGC)
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), Temperature Detection, Fire Detection, Smoke Detection, Smoking Detection, Sun-reflection Filter, Forklift Alarm 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**

Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
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## 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 ~ 550°C (-4°F ~ 1022°F)
Temperature Accuracy	±2°C, ±2%

## Detection Range

Triggering Analytics Event Notification	(People 1.8x0.5m) 28.4m (Vehicle 1.4x4.0m) 75.6m (Supported Analytics Events included Line Crossing Detection, Enter Area Detection and Exit Area Detection for People, Vehicle and any objects.)
Triggering Temperature Notification	(Object 0.2x0.2m) 11.7m (Object 1x1m) 58.3m
Triggering Fire Detection Event Notification	(Object 0.2x0.2m) 43.2m (Object 0.5x0.5m) 12m
Triggering Smoke Detection Event Notification	(Object 0.5x0.5m) 12m
Triggering Smoking Detection Event Notification	5.4m
Observation Range	Detection: People 150m; Vehicle 460m Recognition: People 38m; Vehicle 112m Identification: People 19m; Vehicle 56m (People: 1.8 x 0.5m) (Vehicle: 1.4 x 4.0m)

## Integration

ONVIF Compliant	Yes, Profile S, Profile G
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## Interface

Serial Port	1 x RS-485
Audio Interface	1/1, 3.5mm Phone Jack
Analog Video Output	1 x BNC connector
Digital Input/Output	2/2

## General

Power Source	DC 12V, AC 24V, PoE Class 3 (IEEE802.3af)
Power Consumption	8.5 W (DC), 8.5 W (AC), 8.5 W (PoE)
Dimensions	(L x W x H): 321.3mm x 106.1mm x 107.0mm (12.65" x 4.18" x 4.21")
Environmental Casing	Weatherproof (IP67), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years.
Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)
Operating Humidity	≤95% RH, non-condensing
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

## ▶ Related Products

### Mounting Accessories - Camera Mount

PMAX-0407



Corner mount for A416, A418, B419-P2.

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](http://www.acti.com/mountingselector) for more information.