

# VMGB-359

## 4MP Temperature Measurement Thermal Bullet with D/N, Adaptive IR, Superior WDR, SLLS, Fixed Lens



- Temperature Measurement
- 4 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fixed Lens with f8.0mm/
- Superior WDR
- H.265 Compression
- Built-in Analytics
- Event trigger, response and notification

### ► Specifications

#### Device

Product Type	Thermal Bullet
Maximum Resolution	4MP
Product Application	Temperature Measurement
Application Environment	Outdoor
Description	Thermal network Bullet camera with 4MP H.265 optical module, for behavior analysis functions as Line crossing, Intrusion and area enter and exit that are for perimeter defense purpose.
Image Sensor	Progressive Scan CMOS + Thermal sensor
Sensor Size	Optical: 1/2.7 "
Effective Pixels	Thermal: 160(H) X 120(V)
Spectral Range	8-14μm
Thermal Sensitivity	NETD <40mK at F1.1
Spatial Resolution	2.74 mrad
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.017 lux at F2.25 (AGC on); B/W: 0.003 lux at F2.25 (AGC on)
Mechanical IR Cut Filter	Yes

IR LED	Adaptive IR LED
IR Working Distance	40m
White LED	White LED
White LED Working Distance	40m
Electronic Shutter	1-1/100000 second (auto mode)

## Lens

Number of Lenses	2 Lenses
Focal Length	(Thermal camera) Fixed focal, f6.2mm (Visual camera) Fixed focal, f8.0mm
Focus	Fixed focus
Horizontal Viewing Angle	(Thermal camera) 25.0° (Visual camera) 39.42°
Vertical Viewing Angle	(Thermal camera) 18.7° (Visual camera) 22.14°

## Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	(Visual camera) 30 fps at 2688 x 1520 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 704 x 480 (Thermal camera) 25 fps at 1280 x 720 25 fps at 704 x 576 25 fps at 640 x 480 25 fps at 352 x 288 25 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams
Wide Dynamic Range	Superior WDR (120 dB)
Digital Noise Reduction	3D DNR
Built-in Analytics	Object Line Crossing Detection, Object Enter Area Detection, Object Exit Area Detection, People Line Crossing Detection, People Enter Area Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection, Intrusion Detection (Forbidden Area Detection), Temperature Detection, Fire Detection (Temperature-based with threshold setup)

## Audio

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

## Network

Network Protocol & Service	IPv4/v6, TCP, UDP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, QoS, SNMP, TLS 1.2, IEEE 802.1X
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level

## Temperature Measurement

Temperature Range	-20°C ~ 150°C (-4°F ~ 302°F)
Temperature Accuracy	±7°C

## Detection Range

Triggering Analytics Event Notification	(People 1.8x0.5m) 30m (Vehicle 1.4x4.0m) 85m (Supported Analytics Events included Line Crossing Detection, Enter Area Detection and Exit Area Detection for People, Vehicle and any objects.)
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Triggering Temperature Notification	(Object 1x1m) 66m (Object 2x2m) 132m
Observation Range	Detection: People 182m; Vehicle 559m Recognition: People 46m; Vehicle 140m Identification: People 23m; Vehicle 70m (People: 1.8 x 0.5m) (Vehicle: 1.4 x 4.0m)

## Event

Event Trigger	External device through digital input, Sound detection, Temperature Exception Detection (up to 10 points, 10 areas and 1 line), Intelligent event detection
Event Response	Send E-mail Notification, Flashing white light, Save video to local storage, Activate external device through digital output

## System

Language	Multi-Language, English, Traditional Chinese
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## Integration

ONVIF Compliant	Yes
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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, for installation only
Local Storage	MicroSD, MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only)
Digital Input/Output	2/2

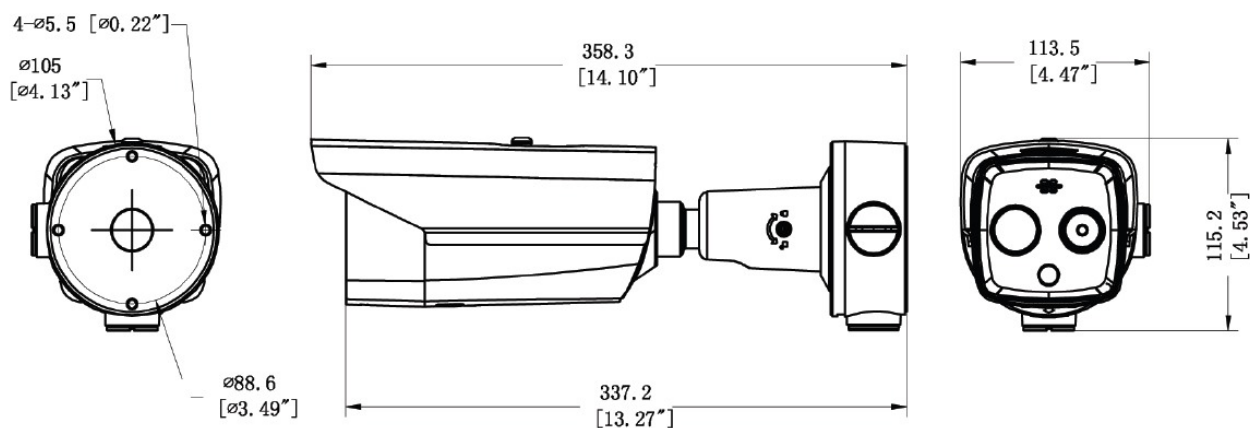
## General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	6 W (DC), 6.5 W (PoE)
Weight	1760g (3.88lb)
Dimensions	(L x W x H): 358.3mm x 113.5mm x 115.2mm (14.10" x 4.47" x 4.53")
Environmental Casing	Weatherproof (IP66)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years.
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

## ► Photo Indication



## ► Dimension Diagram




Unit: mm [inch]

▶ Related Products

Metadata Generator Device - Metadata Camera


VMGB-370



4MP Metadata Camera with Day/Night, IR LED, Built-in Human Temperature Detection

Mounting Accessories - Camera Mount

PMAX-0524



Pole Mount (for A416, A418, ,A419, A44, A45, A46, A48, VMGB-351, B419-P2), 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.

Power Supply Accessories - Power Adapter

PPBX-0013



Power Adapter AC 100~240V (EU), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x

PPBX-0014



Power Adapter AC 100~240V (UK), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x

PPBX-0026



Power Adapter AC 100~240V (US), for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x