VMGB-370

4MP f3.1mm Thermal Bullet with IR LED 40m, WDR 120dB



- 4 Megapixel, f3.1mm, Thermal Bullet
- IR LED 40m, Superior WDR (120 dB)
- Weatherproof (IP66), Vandal proof (IK10)
- Human Body Temperature Detection, Thermal Surveillance
- Thermal Resolution 160(H) X 120(V), NETD <40mK

Specifications

Product Profile

Product Type	Thermal Bullet
Product Application	Human Body Temperature 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: 160(H) X 120(V) Optical: 2688(H) X 1520(V)
Pixel Interval	17 µm
Spectral Range	8-14 µm
Thermal Sensitivity	NETD <40mK at F1.1
Spatial Resolution	5.48 mrad
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.0089 lux at F1.6 (AGC on); B/W: 0 (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	40m

Electronic Shutter	1-1/100000 second (auto mode)

Lens

Number of Lenses	2 Lenses
Focal Length	Fixed focal, f3.1mm (Thermal camera) Fixed focal, f4.0mm (Visual camera)
Aperture	F1.1 (Thermal camera) F1.1 (Thermal camera) F1.6 (Visual camera) F1.6 (Visual camera)
Horizontal Viewing Angle	(Thermal camera) 50° (Visual camera) 84°
Vertical Viewing Angle	(Thermal camera) 37.2° (Visual camera) 44.8°

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	(Visual camera) (Visual camera) (60Hz) (60Hz) 30 fps at 2688 x 1520 30 fps at 2688 x 1520 30 fps at 1920 x 1080 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 1280 x 720 30 fps at 704 x 480 30 fps at 704 x 480 30 fps at 352 x 240 30 fps at 352 x 240 30 fps at 176 x 120 30 fps at 176 x 120 (50Hz) (50Hz) 25 fps at 2688 x 1520 25 fps at 2688 x 1520 25 fps at 1920 x 1080 25 fps at 1920 x 1080 25 fps at 1280 x 720 25 fps at 1280 x 720 25 fps at 704 x 576 25 fps at 704 x 576 25 fps at 352 x 288 25 fps at 352 x 288 25 fps at 176 x 144 25 fps at 176 x 144
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Superior WDR (120 dB)
Built-in Analytics	Human Body Temperature Detection

Audio

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

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, UPnP, QoS, SNMP, 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, 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	30°C ~ 45°C (86°F ~ 113°F)
Temperature Accuracy	±0.5°C

Event

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

System

Language	Multi-Language

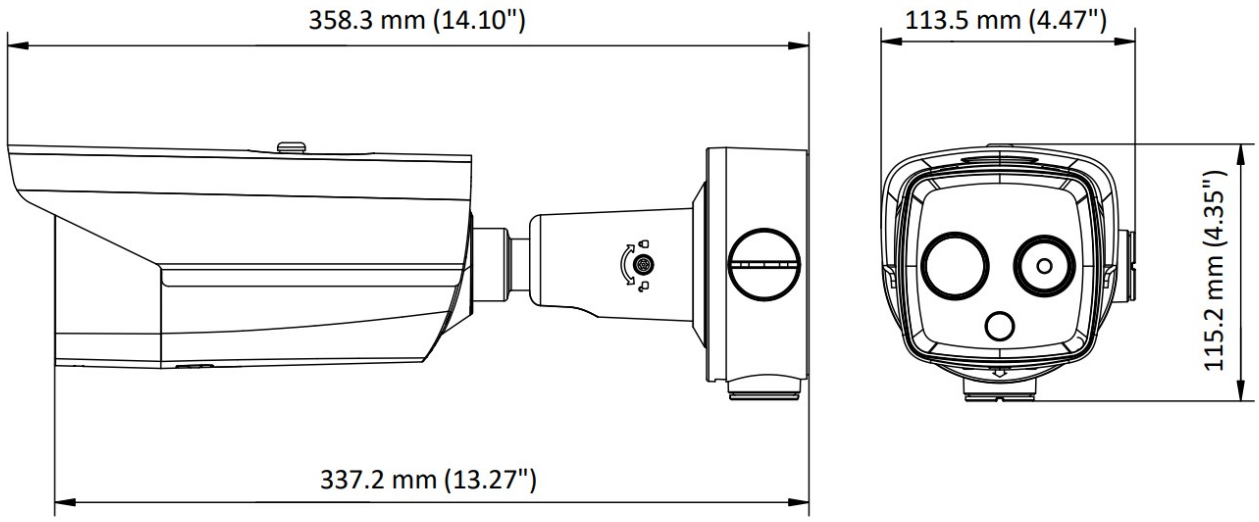
Interface

Audio Interface	1/1, 3.5mm Phone Jack
Digital Input/Output	2/2

General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	7.5 W (DC), 8 W (PoE)
Weight	1760g (3.88lb)
Dimensions	(W x H x D): 113.5mm x 115.2mm x 358.3mm (4.47" x 4.35" x 14.10")
Environmental Casing	Weatherproof (IP66), Vandal proof (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Operating Temperature	10°C ~ 35°C (50°F ~ 95°F)
Operating Humidity	10% - 95% RH, non-condensing
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Dimension Diagram



Unit: mm [inch]

Related Products

Power Supply Accessories - Power Adapter

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

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)