

# VMGB-371

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



- 4 Megapixel, f3.1mm Thermal Bullet
- Wide Angle
- Event trigger, response and notification

## ► 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)                  |
| Spectral Range           | 8-14 $\mu$ m                                                         |
| 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: 0.0018 lux at F1.6 (AGC 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) |
| Focus                    | Fixed focus                                                              |
| Horizontal Viewing Angle | (Thermal camera) 50° (Visual camera) 84°                                 |
| Vertical Viewing Angle   | (Thermal camera) 37.2° (Visual camera) 44.8°                             |

## Video

|                                   |                                                                                                                                                                                                                                                                    |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compression                       | H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 (Baseline/ Main/ High profile), 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 30 fps at 352 x 240 30 fps at 176 x 120 (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                                                                                                                                                                                                                                          |
| Digital Noise Reduction           | 3D DNR                                                                                                                                                                                                                                                             |
| Wide Dynamic Range                | Superior WDR (120 dB)                                                                                                                                                                                                                                              |
| Image Enhancement                 | White Balance                                                                                                                                                                                                                                                      |
| Built-in Analytics                | Human Body Temperature Detection, Tampering Detection                                                                                                                                                                                                              |

## 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, 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  | Tampering detection, 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, English, Traditional Chinese |
|----------|----------------------------------------------|

**Integration**

|                 |     |
|-----------------|-----|
| ONVIF Compliant | Yes |
|-----------------|-----|

**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     | 6 W (DC), 6.5 W (PoE)                                                                                                                  |
| 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 | 10°C ~ 35°C (50°F ~ 95°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> |

**► Related Products****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 |