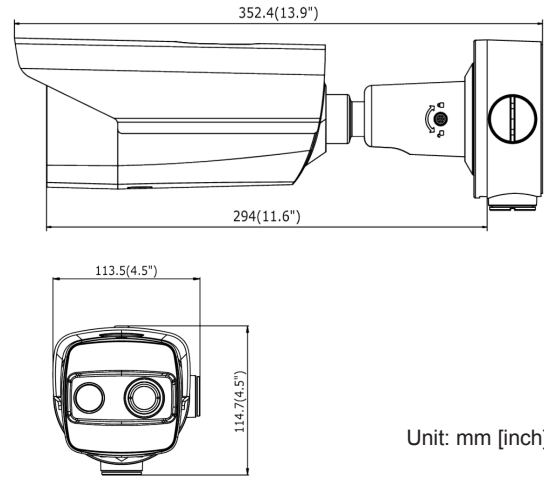


# VMGB-351

## Thermal and Optical Metadata Camera



### DIMENSION DIAGRAM



Unit: mm [inch]

### PRODUCT SPECIFICATION

**• Device**

Device Type	Metadata Camera
Image Sensor	Progressive Scan CMOS + Thermal
Thermal Sensitivity	NETD <40mK at F1.0
Spectral Range	8-14µm
Day / Night	Yes
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR
IR Working Distance	40m
Electronic Shutter	1~1/100000 second (auto mode)

**• Lens**

Number of Lenses	2
Focal Length	Visual Camera: Fixed focal, f6.0mm Thermal Camera: Fixed focal, f6.2mm
Aperture	F1.1
Horizontal Viewing Angle	Visual camera: 87° Thermal camera: 50°
Vertical Viewing Angle	Visual camera: 46.2° Thermal camera: 37.2°
Observation Range	Detection People: 182 m Vehicle: 559 m
	Recognition People: 46 m Vehicle: 140 m
	Identification People: 23 m Vehicle: 70 m

**• Video**

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	Visual Camera 30 fps at 1920 x 1080 30 fps at 1280 x 960 30 fps at 1280 x 720
	Thermal Camera 25 fps at 320 x 240
Image Enhancement	3D Digital Noise Reduction, AGC
Built-in Analytics	Object Line Crossing Detection, Object Enter Area Detection, Object Exit Area Detection, People Line Crossing Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection, Fire Detection

**• Audio**

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

**• Network**

Protocol & Service	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Ethernet Port	1, Ethernet (10M/100M), RJ-45 connector
Security	IP Address Filtering, HTTPS Encryption, Password Protected, IEEE 802.1X Network Access Control

**• Alarm**

Alarm Trigger	Temperature exception detection (up to 10 fire points), External device through digital input E-mail notification, Local storage record, Upload files to FTP server, Activate external device through relay output
Alarm Response	
Temperature Range	-20°C ~ 150°C (-4°F ~ 302°F)
Temperature Accuracy	±8 °C (14.4 °F)

**• Detection Range**

Trigger Analytics Event Notification	(People 1.8x0.5m) 42m, (Vehicle 1.4x4.0m) 126m (Supported Analytics Events included Line Crossing Detection, Enter Area Detection and Exit Area Detection for People, Vehicle and any objects)
Triggering Temperature Notification	(Object 1x1m) 66m (Object 2x2m) 123m
Triggering Fire Detection Event Notification	(Object 1x1m) 180m (Object 2x2m) 360m

**• Interface**

Digital Input / Output	2 / 2
Analog Video Output	1, 1.0V [p-p]/75Ω, PAL/NTSC/BNC
Local Storage	MicroSD, MicroSDHC, MicroSDXC memory card slot (card not included), up to 128 GB

**• General**

Power Source	DC 12V, High PoE (IEEE802.3at)
Power Consumption and Current	12W (DC)
Dimensions (W x H x D)	113.5 x 114.7 x 352.4 mm (4.5" x 4.5" x 13.9")
Weight	1500g (3.3 lb)
Environment Casing	Weatherproof (IP66)
Operating Temperature Approvals	-40°C ~ 60°C (-40°F ~ 140°F) IP66

\* The Detection Range and Observation Range are only for reference, the performance may vary depending on the environment.