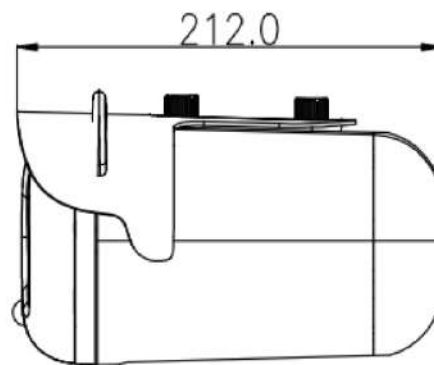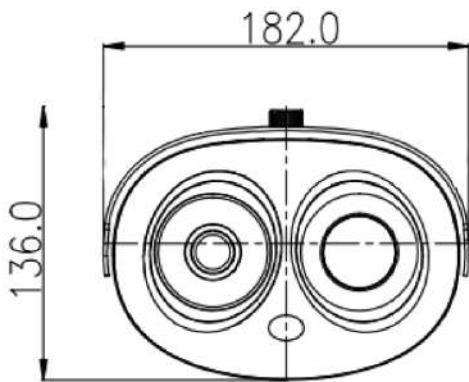# VIOTEC

VTT-BT24M
Thermal System

Key Features

- On-board temp-detection algorithm
- One IP address two channels
- Dual Technologies thermal and visual camera
- Thermal effective pixels 400x300
- Sensitivity 40mK
- Thermal: 8mm Fixed lens
- Accuracy ±0.3°C
- Body temperature detection, up to 45 Targets
- Response Time 20ms
- 17 color control
- 2MP Visual camera
- Visible: 2.7-12mm motorized lens
- Fcae detection and recognition
- AI recognition

Thermal Camera	Detector Type	Uncooled IRFPA Microbolometer
	Effective Pixels	400(H) ×300(V)
	Pixel Size	17um
	Thermal Sensitivity	≤40mK @F1.0, 300K
	Spectral Range	8~14um
	Image Setting	Polarity LUT/ DVE/ Mirror/ FCC/ /3D DNR Brightness/Contrast/ROI
	Color Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes
Thermal Lens	Lens Type	Fixed
	Focus Control	Manual Focus
	Focal Length	8mm
	F No.	F1.0
	Angle of View	H: 46°, V:35.3°
Visible Camera	Image Sensor	1/1.9" Sony CMOS
	Effective Resolution	1920×1080
	Shutter Speed	1/50 ~ 1/64,000s
	Wide Dynamic Range	True WDR 120dB
	Min. Illumination	Color: 0.01Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)
	S/N Ratio	More than 55dB
	Focal Length	2.7 ~ 12mm
	Max Aperture	F1.6~ F2.9
	Angle of View	105°~ 32°
Video and Audio	Compression	H.265, H.264, MJPEG
	Frame Rate	Main Stream: Thermal: D1 @25/30fps Visible: 1920×1080/1280×720 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640×360/CIF/QCIF/QVGA @25/30fps
	Bit Rate Control	CBR/VBR
	Bit Rate	Thermal: 100Kbps~6Mbps Visible: main stream: 500Kbps~10Mbps; sub stream: 100Kbps~6Kbps
	Region of Interest	Off / On (8 Zone, Rectangle)
	Digital Zoom	16x
	Mirror	Support
	Defog	Support
	Motion Detection	Support
	Privacy Masking	Off / On (4 Area, Rectangle)
	DVE Image Enhance	Support
	Audio Compression	G.711, AMR, RAW_PCM (Optional)

VIOTEC

Intelligence	Intelligent Functions	Face detection, Face recognition, Body temperature Alarm, Time attendance, AI recognition, Health archives, temperature statistics,Smart Body Detection, Perimeter ,Single Virtual Fences, Double Virtual Fences ,Object Left ,Object Removed
	Basic Functions	Motion detection, Disk alarm, I/O alarm
Temperature Detection	Detection Mode	Body temperature monitoring
	Detection Preset	Max 45 goals per 20ms
	Temperature Alarm	Over temperature alarm, Temperature difference alarm
	Accuracy	± 0.3 ℃ (Emission rate, distance, ambient temperature, etc.) up to ±0.1with black body box (optional) Detection Distance: 3~5m (4m recommended)、 Working Environment: Avoid the interference of wind, sunshine, high temperature and reflective objects, indoor is recommended
	Response Time	20ms
	Theory of temperature measurement range	-20 °C ~ 60 °C (-4°F ~ 140°F)
	Temperature display mode	Temperature target ＞5℃, Display absolute temperature value; Temperature target ≤5℃, Display relative temperature value (temperature difference DEV = highest value - average)
Network	Ethernet	RJ-45 (10/100Base-T)
	Protocols	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP ,802.1x
	Interoperability	ONVIF, CGI, SDK
	Streaming Method	Unicast
	Max. User Access	10 Users
	Edge Storage	Local PC for instant recording Micro SD card 128GB
	Web Viewer	<IE11, Chrome, Firefox
	Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish. Russian, French, Czech, Hungarian
Interface	Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
	Audio Interface	1ch Audio In,1ch Audio Out
	Alarm	2ch Alarm In,2ch Alarm Out
	RS485	Support
General	Power Supply	DC12V/POE (IEEE 802.3af)
	Power Consumption	Max 10W
	Operating Temperature	-30°C~60°C(-22°F~140°F)
	Certifications	CE /FCC
	Ingress Protection	IP66
	Dimensions	212×182×136mm
	Net Weight	2Kg
	Braket	VT-WB346
	Stand	VT-T347 (optional)

Dimensions(mm)

182.0
136.0
212.0

Accessories

Wall bracket

Ceiling Bracket

Tripod