TVT

Secure The World With You

THERMAL CAMERA

TD-5412E

Thermal Network Bullet Camera

RoHS CE FC PoE ONVIF

Thermal:

- 160 × 120 uncooled detector
- 17um, NETD:<60mK(@25°C, F#=1.0)
- 4mm thermal imaging lens
- Temperature accuracy: ±0.5°C@(30°C~45°C, without blackbody); ±0.3°C@(30°C~45°C, with blackbody)
- ACB , DPC, 3D DNR, DDE
- Multi-palette: white, black, pseudo-color
- Temperature exception alarm

Visible Light:

- 5MP (2592 × 1944) @30 fps
- 1/2.7" BSI + NIR progressive CMOS image
- Min. Illumination: Color : 0.0125 lux @F2.0; AGC ON
  W/B: 0.008 lux @F2.0; AGC ON
- 6mm visible light lens
- 3D DNR, true WDR(120dB), HLC, BLC
- Built-in flashing light and loudspeaker
- Capturing 10 faces simultaneously

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TD-5412E

Thermal Network Bullet Camera

SPECIFICATIONS

Model / Specifications	TD-5412E
Thermal Module	
Detector Type	17um 160×120 Vanadium oxide uncooled focal plane detector
NETD	<60mK(@25°C, F#=1.0)
IRIS Type	Fixed Iris
Lens	4mm@F1.0
Field of View	40°×30°(H×V)
Min. Focusing Distance	0.2 m
Temperature Measuring Distance	1.5-3 m
Color Palettes	Black, White, Pseudo-color
Visible Light Module	
Image Sensor	1/ 2.7 "CMOS
Image Size	2592 × 1944
Electronic Shutter	1 / 30 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.0125 lux@F2.0,AGC ON; 0 lux with IR 0.0045 lux@F1.2,AGC ON; 0 lux with IR
Lens	6mm@F2.0
Field of View	51°×37°(H×V)
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	2D/3D DNR
Image	
Video Compression	Smart H.265 / H.265+ / H.265 /Smart H.264 /H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile
Resolution	Thermal : 160× 120
	Visible Light: 5MP (2592 × 1944), 4MP (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296),1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240
Main Stream	Thermal : 60Hz: 160× 120 (1~15fps); 50Hz: 160× 120 (1~12.5fps)
	Visible Light: 60Hz: 5MP/4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 5MP/4MP/2K/3MP/1080P/720P (1~25fps)
Sub Stream	Thermal : 60Hz: 160× 120(1~15fps); 50Hz: 160× 120 (1~12.5fps)
	Visible Light: 60Hz: 720P/D1/CIF (1~30fps); 50Hz: 720P/D1/CIF (1~25fps)
Third Stream	60Hz: D1/CIF/480 × 240(1~30fps); 50Hz: D1/CIF/480 × 240(1~25fps)
Image Settings	ROI, Saturation, Brightness, Chroma, Contrast,Wide Dynamic, Sharpen, NR,etc. adjustable through client software or web browser
Video & Data Overlay	The thermal image can be overlaid on visible light image The temperature can be overlaid on visible light image
Audio Compression	G711A/U
ROI	8 regions; each ROI to be configured separately

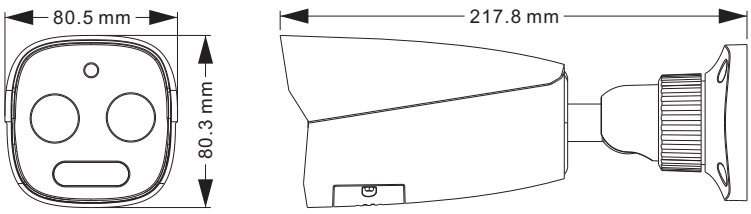
Interfaces	
Network	RJ45
Video Output	No
Audio	1CH audio input; 1CH built-in speaker; 1CH audio output
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
RS 485	No
Alarm	1CH alarm input; 1CH alarm output
Functions	
Temperature Measurement	±0.5°C@(30°C~45°C, without blackbody) ±0.3°C@(30°C~45°C, with blackbody) A maximum of 10 people can be measured simultaneously
Temperature Alarm	High temperature alarm, low temperature alarm, temperature exception alarm
Remote Monitoring	Web browsing,CMS remote control
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	IPv4,IPv6, UDP, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP,802.1x,UPnP,HTTP, HTTPS,QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SD card error, SD card full, IP address conflict, Cable connection
Intelligent Analytics	Region intrusion/entrance/exiting (human/vehicle classification), line crossing(human/vehicle classification), scene change detection, missing/abandoned object detection, line crossing people/vehicle counting, face detection, face capture
Sound&Light Warning	Yes
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, non-photosensitive switch, image distortion correction
PoE	Yes , IEEE802.3 af, class0
IR Distance	20 ~ 30 m
Protection Grade	IP66
Others	
Power Supply	DC12V / PoE
Power Consumption	< 9W
Operating Environment	Humidity: less than 95 % (non-condensing) Temperature Screening Mode: 10 °C ~ 35 °C (without wind)
Certificate	CE, FCC
Environment Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)
Dimensions (mm)	217.7 × 80.5 × 80.3
Weight (net)	Approx. 0.68KG
Installation	Ceiling mounting; Wall mounting

AVAILABLE MODEL

Available Model	TD-5412E(FT/PE/VT)

*All pictures and specifications are for reference only and are subject to change without prior notice.

DIMENSIONS



AVAILABLE ACCESSORIES

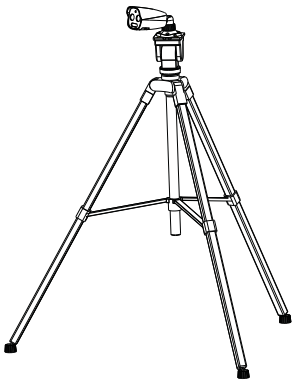
Adapter Block

Tripod

Blackbody

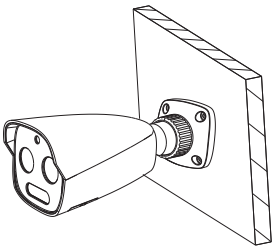
Installation

Stand-mounted



(Tripod + Adapter Block)

Wall-mounted



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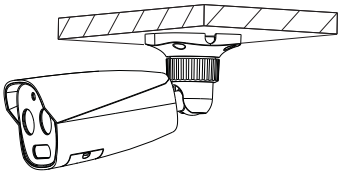
Ceiling-mounted



(its own bracket)

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