THERMALCAMERA

TD-5422E1-VT

Thermal Network Bullet Camera



Thermal:

- Resolution: 256×192
- 12μm，NETD:≤
- Temperature range: -20°C~150°C
- Multi-palette: white hot, black hot, iron oxide red, etc.
- Sound and light warning, temperature exception alarm, fire detection
- Intelligent analytics: intrusion detection (human/motor vehicle classification), line crossing detection (human/motor vehicle classification)

Optical:

- 5MP (2592 × 1944
- ICR auto switch, true day/night vision
- 20~30m IR night view distance
- 3D DNR, true WDR(120dB), HLC, BLC, Smart IR, distortion image correction, ROI etc.
- Intelligent analytics: intrusion detection (human/motor vehicle/non-motor vehicle classification), line crossing detection (human/motor vehicle/non-motor vehicle classification), scene change detection, video exception detection, target counting(human/vehicle /non-motor vehicle classification), face detection, face capture

Shenzhen TVT DIGITAL TECHNOLOGY CO., LTD.

Address: 23rd Floor, Block B4, Building NO.9, Shenzhen Bay Eco-Technology Park, Nanshan District, Shenzhen, Guangdong P

Tel: +86-755-36995888 Fax: +86-755-33104777

TD-5422E1-VT

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SPECIFICATIONS

Model / Specifications	TD-5422E1-VT	
Thermal Module		
Detector Type	12μm 256×192 Vanadium oxide uncooled focal plane detector	
Response Waveband	8μm-14μm	
NETD		
IRIS Type	Fixed Iris	
Lens		
Field of View(H×V)	56°×42.2°	24.8°×18.7°
Min. Focusing Distance	0.5 m	1.1m
Color Palettes	Black hot, White hot,iron oxide red, etc.	
DRI Distance Human (0.75m)	Detection: 133m(436ft) Recognition: 33m(108ft) Identification:17m(56ft)	Detection: 292m(958ft) Recognition: 73m(240ft) Identification:36m(118ft)
DRI Distance Vehicle (2.3m)	Detection: 409m (1342ft) Recognition: 102m(335ft) Identification:51m(167ft)	Detection: 894m(2933ft) Recognition: 224m(735ft) Identification:112m(367ft)
Visible Light Module		
Image Sensor	1/ 2.7" CMOS	
Image Size	2592 × 1944	
Electronic Shutter	1/3 s ~ 1 / 100000 s	
Iris Type	Fixed Iris	
Min. Illumination	0 lux with IR	
Lens		
Field of View(H×V)	81°×56.7°	38°×27.5°
Wide Dynamic Range	120dB	
BLC	Yes	
HLC	Yes	
Defog	Yes	
Digital NR	2D/3D DNR	
Image		
Video Compression	H.265 / H.264 / MJPEG	
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile	
Bit Rate Type	VBR/CBR	
Bit Rate	128Kbps~ 8Mbps	
Resolution	Thermal : 256 × 192	
	Optical: 5MP (2592 × 1944), 4MP (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296),1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240	
Main Stream	Optical: 60Hz: 5MP/4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 5MP/4MP/2K/3MP/1080P/720P (1~25fps)	
	Thermal : 60Hz: 256 × 192 (the resolution of output image is 720P) (1~30fps); 50Hz: 256 × 192 (the resolution of output image is 720P) (1~25fps)	
Sub Stream	Optical: 60Hz: 720P/D1/CIF (1~30fps); 50Hz: 720P/D1/CIF (1~25fps)	
	Thermal : 60Hz: 256 × 192 (the resolution of output image is 720P) (1~30fps); 50Hz: 256 × 192 (the resolution of output image is 720P) (1~25fps)	
Third Stream	Optical: 60Hz: D1/CIF/480 × 240(1~30fps); 50Hz: D1/CIF/480 × 240(1~25fps)	
	Thermal : 60Hz: 256 × 192 (the resolution of output image is 720P) (1~30fps); 50Hz: 256 × 192 (the resolution of output image is 720P) (1~25fps)	
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser	
Audio Compression	G711A/U	
ROI	8 regions; each ROI to be configured separately	

Interfaces	
Network	RJ45
Video Output	No
Audio	1CH 3.5mm MIC/LIN in audio input; 1CH built-in speaker
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes
RS 485	No
Alarm	1CH alarm input; 1CH alarm output
Functions	
Temperature Range	-20°C~150°C (-4°F~302°F)
Temperature Accuracy	±8°C
Temperature alarm	Over temperature alarm, low temperature alarm
Temperature Measurement	10 rules in total (Point: up to 10, Line: 2, recommended, Area:2, recommended)
Fire Detection	Dynamic fire detection, up to 10 fire points detectable
Remote Monitoring	Web browser/NVMS2.X/Mobile APP
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, 802.1x, UPnP, 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	Optical: intrusion detection/line crossing detection (human/motor vehicle/non-motor vehicle classification), scene change detection, video exception detection, target counting(human/motor vehicle/non-motor vehicle classification) , face detection, face capture Thermal: fire detection, temperature exception alarm, intrusion detection/line crossing detection (human/motor vehicle classification)
General Function	Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction
Sound&Light Warning	White light flashing alarm and sound alarm supported
PoE	Yes , IEEE802.3 af, class0
IR Distance	20~ 30m
Protection Grade	IP66
Others	
Power Supply	DC12V / PoE
Power Consumption	< 9W
Operating Environment	Humidity: less than 95 % (non-condensing) -30 °C ~ 60 °C (-22°F~140°F)
Certificate	CE, FCC
Environment Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)
Dimensions (mm)	217.8 × 80.5 × 80.3
Weight (net)	Approx. 0.7KG
Installation	Ceiling mounting; Wall mounting

AVAILABLE MODEL

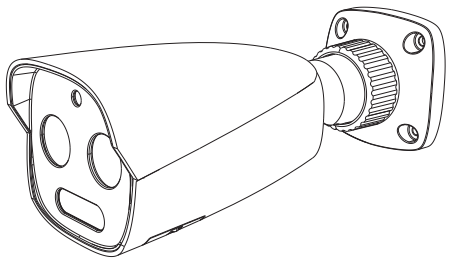
Available Model	TD-5422E1-VT(3/PE)	3.2mm thermal lens
	TD-5422E1-VT(7/PE)	7mm thermal lens

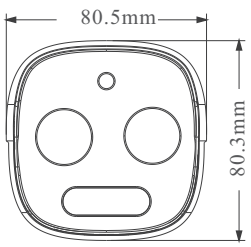
*All pictures and specifications are for reference only and are subject to change without prior notice.

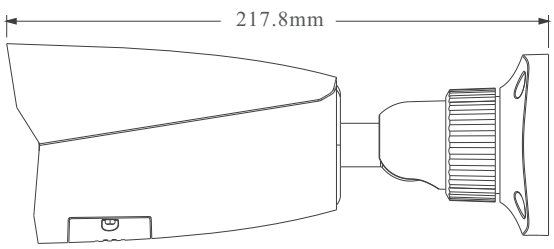
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DIMENSIONS







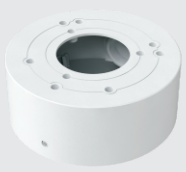
AVAILABLE ACCESSORIES



TD-YXH0301



TD-YXH0103



TD-YXH0104



TD-YXH0301+TD-YZJ0501



TD-YXH0301+TD-YZJ0601



TD-YXH0301+TD-YZJ0810

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