

THERMALCAMERA

TD-5433E1

Thermal Network Bullet Camera



Thermal:

- Resolution: 384 × 288
- 12μm, NETD: ≤50mK(@25°C, F#=1.0)
- Temperature range: -20°C~150°C
- Dual image fusion (thermal image and optical image)
- Multi-palette: white hot, black hot, iron oxide red, etc.
- Intelligent analytics: region intrusion detection, line crossing detection, target counting
- Sound and light warning, temperature exception alarm, fire detection

Optical:

- 5MP (2592 × 1944) @30 fps
- ICR auto switch, true day/night vision
- Up to 100m IR night view distance
- 3D DNR, true WDR(120dB), HLC, BLC, Smart IR, distortion image correction, ROI etc.
- Intelligent analytics: intrusion detection (human/vehicle classification), line crossing detection (human/vehicle classification), scene change detection, video exception detection, target counting(human/vehicle classification), face detection, face capture

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SPECIFICATIONS

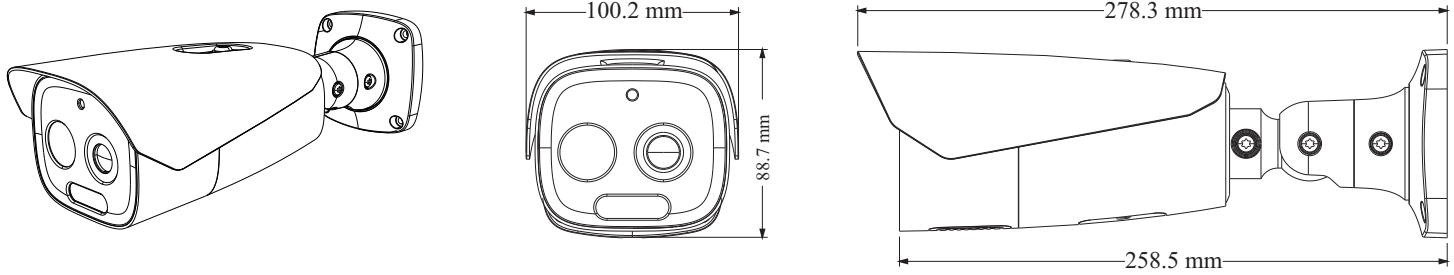
Model	TD-5433E1			
Specifications				
Thermal Module				
Detector Type	12μm 384×288 Vanadium oxide uncooled focal plane detector			
Response Waveband	8μm-14μm			
NETD	≤50mK(@25°C, F#=1.0)			
IRIS Type	Fixed Iris			
Lens	9.1mm@F1.0	13mm@F1.2	19mm@F1.0	25mm@F1.0
Field of View(H×V)	30.3°×22.3°	20.2°×15.2°	13.8°×10.4°	10.5°×7.9°
Min. Focusing Distance	3.2 m	5.395 m	13.8 m	23.869 m
Color Palettes	Black hot, White hot, iron oxide red, etc.			
Visible Light Module				
Image Sensor	1/ 2.7" CMOS			
Image Size	2592 × 1944			
Electronic Shutter	1 s ~ 1 / 100000 s			
Iris Type	Fixed Iris			
Min. Illumination	0.03 lux@F2.0, AGC ON; 0 lux with IR			
Lens	8mm@F2.0	12mm@F2.0	16mm@F2.0	16mm@F2.0
Field of View(H×V)	38°×27.5°	26.6°×19.3°	19.8°×14.3°	19.8°×14.3°
Wide Dynamic Range	120dB			
BLC	Yes			
HLC	Yes			
Defog	Yes			
Digital NR	2D/3D DNR			
Image				
Video Compression	H.265 +/ H.265 /H.264+ /H.264 / MJPEG			
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile			
Bit Rate Type	VBR/CBR			
Bit Rate	128Kbps~ 8Mbps			
Resolution	Thermal : 384 × 288 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: 384× 288 (the resolution of output image is 720P) (1~30fps); 50Hz: 384× 288 (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: 384× 288 (the resolution of output image is 640×480) (1~30fps); 50Hz: 384× 288 (the resolution of output image is 640×480) (1~25fps)			
Third Stream	Optical: 60Hz: D1/CIF/480 × 240(1~30fps); 50Hz: D1/CIF/480 × 240(1~25fps) Thermal : 60Hz: 384× 288 (the resolution of output image is 640×480) (1~30fps); 50Hz: 384× 288 (the resolution of output image is 640×480) (1~25fps)			
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, NR, etc. adjustable through client software or web browser			
Dual Image Fusion	Display the details of optical channel on thermal channel			
Video Overlay	The thermal image can be overlaid on visible light image			
Audio Compression	G711A/U			
ROI	8 regions; each ROI to be configured separately			

Interfaces				
Network	RJ 45			
Video Output	No			
Audio	1CH 3.5mm MIC/LIN in audio input; 1CH audio output; 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	12 rules in total (10 points, 2 line)			
Fire Detection	Dynamic fire detection, up to 10 fire points detectable			
Remote Monitoring	IE browser, CMS remote control			
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, ICMP, IGMP, 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 (human/vehicle classification), line crossing detection (human/vehicle classification), scene change detection, video exception detection, target counting (human/vehicle classification), face detection, face capture Thermal: Line crossing detection, region intrusion detection, target counting, fire detection, temperature exception alarm			
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	50 ~ 70 m	50 ~ 70 m	70 ~ 100 m	70 ~ 100 m
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)	278.3 × 100.2 × 88.7			
Weight (net)	Approx. 1.18KG			
Installation	Ceiling mounting; Wall mounting			

AVAILABLE MODEL

Available Model	TD-5433E1 (PE/VT)
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DIMENSIONS



AVAILABLE ACCESSORIES



TD-YXH0302



TD-YXH0302+
TD-YZJ0501



TD-YXH0302+
TD-YZJ0601



TD-YXH0302+
TD-YZJ0811