



Bispectral Thermal Network Camera



TC-2183-L13 (4G LTE/RJ-45) / TC-2183-E13(PoE)
Thermal Res. : 384(H) x 288(V)

TC-2183 is an outdoor bispectral thermal network camera, which can capture clear color image at a resolution up to Full HD in low lux environment, and built-in IR illumination provides black and white optical surveillance in zero-light conditions up to 10m.

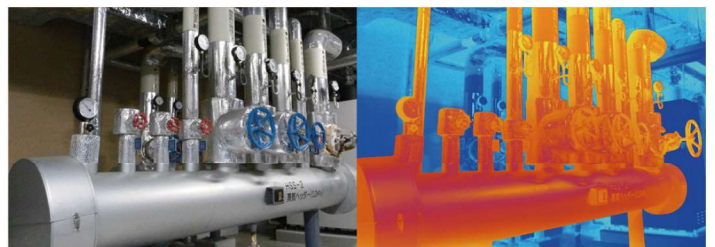
TC-2183 can be used for surveillance of wide range and long distance with thermal vision ability in total darkness.

TC-2183 is suitable for border security, devices temperature monitoring, gas leakage monitoring, abnormal temperature, etc.

TC-2183-L13 supports 4G LTE technology, which can be installed at anywhere with 4G LTE network coverage.

Key Features

- Combines thermal and visual (Full HD) video streams
- Thermal sensitivity: ≤ 60 mK @ f#1.0
- Palette
- One IP, bispectral video with temperature information in one stream
- H.264 / H.265 compression video streams
- 4G LTE / RJ-45 or PoE
- Over temperature / Motion detection / Electric fence / Alarm zone / Push notification
- Cloud monitoring and storage
- Two-way audio
- App / Management / Push notification
- IP66 outdoor protection
- SD card storage



Specifications

Model	TC-2183-L13 TC-2183-E13
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Thermal Sensor and Optics

Image Sensor	Uncooled VOx Microbolometer
Resolution	384(H) x 288(V)
Thermal Frame Rate	NTSC: 30 fps or PAL: 25 fps
Pixel Size	17µm
Spectral Range	8 ~ 14 µm
Sensitivity	NETD ≤ 60mK
Color Palettes	10
Focal Length	Fixed-focal 13mm
Aperture	F1.0
Field of View	28.4° (Horizontal) / 21.4° (Vertical)
Detect temperature range	-20 to 120°C ± 3.0% / 100 to 500°C ± 3%

Visible Sensor and Optics

Image Sensor	1/2.7" 2M CMOS
Resolution	1920(H) x 1080(V)
Visible Frame Rate	NTSC: 30 fps or PAL: 25 fps
Shutter Speed (Seconds)	1/8~1/10,000
Minimum Illumination	1.0 Lux (Color); 0.5 lux (B/W), 0 Lux (IR on)
IR LED (Illumination Range)	IR 10m
Focal Length	8mm
Aperture	F2.0
Field of View	28.4° (Horizontal) / 21.4° (Vertical)

Video

Video Compression	H.265, H.264, MJPEG
Main Stream Thermal and Visible Frame Rate (60Hz)*	1920 x 1080@30 fps, 1280 x 720@ 30fps, 1024 x 576@ 30fps (The actual setting depends on the UI interface.)
Sub Stream Visible Frame Rate (60Hz)*	1280 x 720@15 fps, 1024 x 576@ 15fps (The actual setting depends on the UI interface.)

Bit Rate Control	CBR / VBR
Bit Rate	128kbps ~ 8Mbps
Day/Night Mode	Auto(ICR) / Color / B / W
Wide Dynamic Range (WDR)	DWDR
Image Setting	Auto White Balance (AWB) Noise Reduction Flip Mirror Privacy Mask

Audio

Compression	G.711
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Alarm and Event

Event Trigger	Video Motion Detection Periodic System Boot Network Lost Digital In Temperature Detection
Event Action	File Upload Via Email, HTTP, FTP, NAS Server, SD Card

Network

Ethernet	RJ-45 (10 / 100Base-T) - TC-2183-L13 PoE (IEEE 802.3af) - TC-2183-E13
Protocol	DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IPv4, IPv6, 802.1x, NTP, QoS, PPPoE, SNMP SMTP, TCP/IP, UPnP, RTSP, ONVIF
Max. User Access	5
Storage Card Slot	micro SD SDXC (Max 128GB)
Web Viewer	> IE10 / 11, Chrome version58 or above
Smart Phone	Android, iOS

4G (TC-2183-L13)

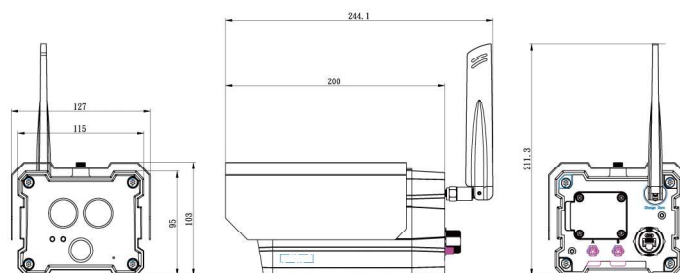
4G Frequency	LTE-FDD: B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B13 / B18 / B19 / B20 / B25 / B26 / B28 LTE-TDD: B38/B39/B40/B41
4G Standard	LTE-TDD / LTE-FDD
SIM slot	Micro SIM

Specifications

Interface	
Connectors	Built-in Microphone Audio Line out RS-485 1 Digital Input / 1 Digital Output
Power	
Input	DC 12V \pm 10%
Max. Power Consumptions	< 10W
Environmental	
Operating Temperature	-20 to 60°C
Storage Temperature	-40 to 85°C
Humidity	< 90%
Outdoor Usage	IP66
Dimension and Weight	
Casing	Metal
Dimension (W x D x H)	225.8mm x 211.3mm x 115mm w/o sun-shield (TC-2183-L13) 209mm x 95mm x 115mm w/o sun-shield (TC-2183-E13)
Net Weight	1.2KG
Safety	
Certification	CE, FCC, NCC, BSMI

Dimensions

• TC-2183-L13



• TC-2183-E13

