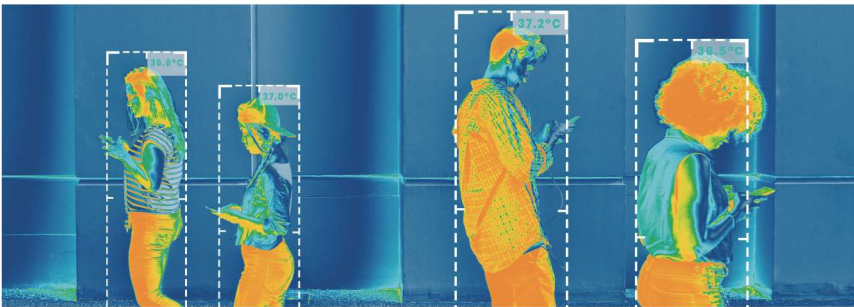
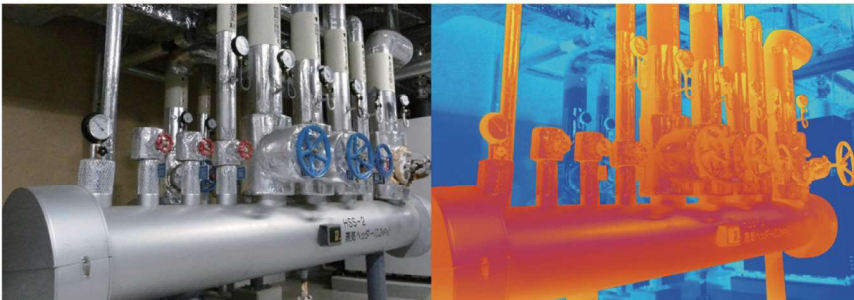


# Bispectral Thermal Network Camera



TC-2183-E13  
(PoE)

TC-2183-L13  
(4G LTE/RJ-45)



- Combines thermal and visual (Full HD) video streams
- Thermal sensitivity:  $\leq 60$  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 multiple interfaces
- 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



LTE transmission



Through fog and haze



Two Lens



Thermal Image



Alarm notification



Power over Ethernet

TC-2183 is an outdoor bispectral thermal network camera, which can capture clear image at a resolution up to Full HD in daytime. 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.

# Bispectral Thermal Network Camera

## Specification

	Mode	TC-2183-L13	TC-2183-E13
Thermal Camera Lens	Image Sensor	Uncooled VOx Microbolometer	
	Resolution	384(H) x 288(V)	
	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°C / 100 to 500°C ±3%	
Visible Camera Lens	Image Sensor	1/2.7" 2M CMOS	
	Resolution	1920(H) x 1080(V)	
	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)*	1920x1080@30 fps, 1280x720@ 30fps, 1024x576@ 30fps (The actual setting depends on the UI interface.)	
	Sub Stream Visible Frame Rate (60Hz)*	1280x720@15 fps, 1024x576@ 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	
	Auto White Balance (AWB)	Yes	
	Noise Reduction	Yes	
	Motion Detetion	Yes	
	Flip	Yes	
	Mirror	Yes	
	Privacy Mask	Yes	
	Audio	Compression	G.711
Network	Ethernet	RJ-45 (10/100Base-T)	
	Protocol	DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IPv4, IPv6, 802.1x, NTP, QoS, PPPoE, SNMP SMTP, TCP/IP, UPnP, RTSP	
	ONVIF Compliant	Yes	
	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 Mobile Communication	LTE network	CAT-4	N/A
	SIM card	Micro SIM	N/A
Interface	Built-in Microphone	Yes	
	Audio	Line out	
	RS-485	Yes	
	Digital Input / Digital Output	1 DO/ DI	
Electrical	Power Input	DC 12V± 10%	
	Power over Ethernet (PoE)	N/A	Yes, IEEE 802.3af
	Max. Power Consumption	<10W	
Environmental	Operating Temperature	-20 to 60°C	
	Storage Temperature	-40 to 85°C	
	Humidity	≤ 90%	
	Outdoor Usage	IP66	
Construction	Casing	Metal	
	Dimension (W x D x H)	225.8mm × 211.3mm × 115mm w/o sun-shield	209mm × 95mm × 115mm w/o sun-shield
	Net Weight	1.2KG	
Safety	Certification	CE, FCC, NCC ,BSMI	