



Bispectral Thermal Network Camera

TC-2184-L40 (4G LTE/RJ-45) / TC-2184-E40(PoE)
Thermal Res. : 256(H) x 192(V)



TC-2184 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 white light illumination provides optical surveillance in zero-light conditions up to 5m.

TC-2184 can be used for surveillance of wide range and long distance with thermal vision ability in total darkness.

TC-2184 is suitable for border security, devices temperature monitoring, gas leakage monitoring, abnormal temperature, etc.

TC-2184-L40 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
- App / Management / Push notification
- IP66 outdoor protection
- SD card storage



Specifications

Model	TC-2184-L40 TC-2184-E40
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Thermal Sensor and Optics

Image Sensor	Uncooled VOx Microbolometer
Resolution	256(H) x 192(V)
Thermal Frame Rate	NTSC: 30 fps or PAL: 25 fps
Pixel Size	12µm
Spectral Range	8 ~ 14 µm
Sensitivity	NETD ≤ 60mK
Color Palettes	10
Focal Length	Fixed-focal 4mm
Aperture	F1.0
Field of View	42° (Horizontal) / 32.1° (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)
White light LED (Illumination Range)	5m
Focal Length	4mm
Aperture	F2.0
Field of View	42° (Horizontal) / 32.1° (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
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Bit Rate	128kbps ~ 8Mbps
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Wide Dynamic Range (WDR)	DWDR
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Image Setting	Auto White Balance (AWB) Noise Reduction Flip Mirror Privacy Mask
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Alarm and Event

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

Ethernet	RJ-45 (10 / 100Base-T) - TC-2184-L40 PoE (IEEE 802.3af) - TC-2184-E40
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Protocol	DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IPv4, IPv6, 802.1x, NTP, QoS, PPPoE, SNMP SMTP, TCP/IP, UPnP, RTSP,ONVIF
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Max. User Access	5
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Storage Card Slot	micro SD SDXC (Max 128GB)
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Web Viewer	> IE10 / 11, Chrome version58 or above
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Smart Phone	Android, iOS
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4G (TC-2184-L40)

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
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4G Standard	LTE-TDD / LTE-FDD
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SIM slot	Micro SIM
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Interface

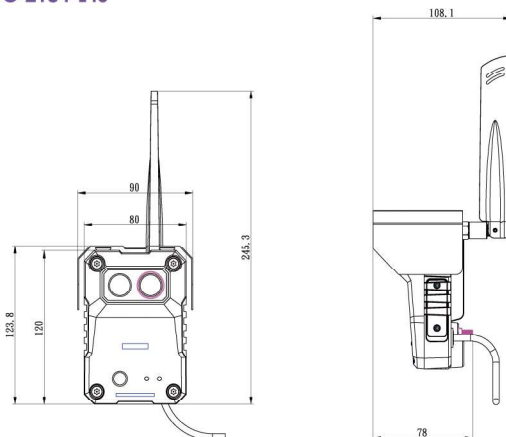
Connectors	RS-485 1 Digital Input / 1 Digital Output
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Specifications

Power	
Input	DC 12V \pm 10%
Max. Power Consumptions	< 10W
Environmental	
Operating Temperature	-20 to 60°C
Storage Temperature	-10 to 85°C
Humidity	\leq 90%
Outdoor Usage	IP66
Dimension and Weight	
Casing	Metal
Dimension (W x D x H)	80mm \times 245.3mm \times 62mm w/o sun-shield and cable (TC-2184-L40) 80mm \times 120mm \times 62mm w/o sun-shield and cable (TC-2184-E40)
Net Weight	0.55KG
Safety	
Certification	CE, FCC, NCC ,BSMI

Dimensions

• TC-2184-L40



• TC-2184-E40

