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EOC-BT-T10-F Series Thermal Imager

This BT-T10-F Series Thermal Imager uses an uncooled infrared core and low signal-to-noise ratio image processing technology. It is a non-contact, real-time, continuous and accurate temperature measuring equipment. The dedicated software system can visually display the temperature information of the measured objects. It can be used for some constant temperature scenarios like the entry-exit health quarantine at customs, airports, stations, terminals, land ports, schools, hospitals, office buildings, etc.

Model

- BT-T10-F

Thermal Imaging Feature

- 384 × 288 high sensitivity detector

- Point, line, rectangle and face temperature measurement modes

- Human body abnormal temperature alarm

- Automatic capture of moving face targets

- Mask-wearing face recognition to identify face temperature to avoid false alarms from non-face high-temperature object
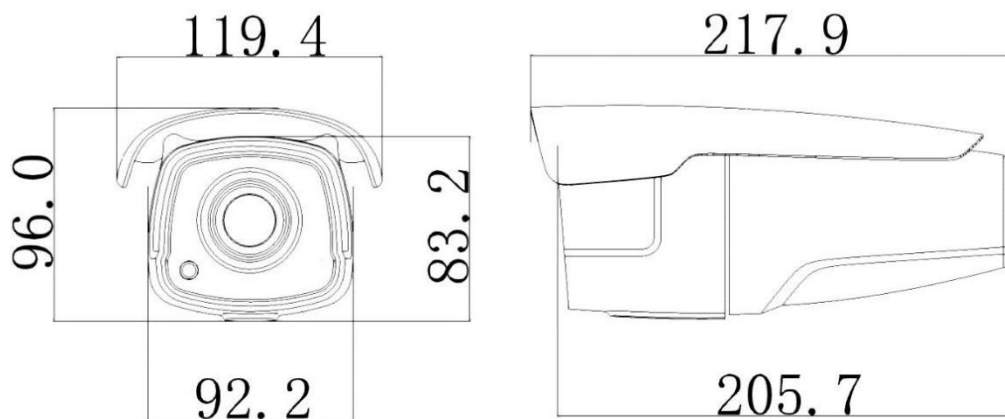
Visual Camera Feature

- High definition CMOS image sensor.

- Face temperature measurement mode, intelligently analyzes face targets and measures body temperature, supports multiple alarm linkages.

- Dual-spectrum temperature measurement linkage, displaying the temperature information in visual and thermal imaging pictures simultaneously.

Application Scenarios

It is suitable for rapid screening of human temperature in places with the dense movement of people such as airports, stations, terminals, hospitals, office buildings, etc.

Product Size

Unit: mm

General Specifications	
Power Supply	DC12V
Rate of work	<5 W
Dimension (mm)	232mmx120mm × 96mm
Weight	≤1Kg
Protection level	IP65
Working temperature and humidity	+10℃ ~ + 30℃, <90% RH

Specification

EOC-BT-T10-F Series Thermal Imager	
Detector	Uncooled detector
Detector format (IR Pixel)	384 × 288
Spectral range	7.5 ~ 14μm
Pixel pitch	17μm
Optical Transmission Calibration	Manual / Automatic
NETD (Noise Equivalent Temperature Difference)	<50mk (@ 25℃ , F # = 1.0)
Lens focal length	6.5mm
Field of View	50.8° × 37.1°
Color Palettes	Hot white, black hot, iron red, etc.
Thermal Image / Video / Visible Light Picture	Including full temperature data (.jpg) Full Temperature Infrared Video Visible Light Picture (.jpg)
Visual Camera Parameters	
Sensor type	1 / 4 inch Progressive scanning 5MP CMOS image sensor, real-time display resolution is 1024 * 768.
Focal length/Zoom	2.7mm/No optical zoom
Maximum aperture	2.8
Minimum illumination	0.5Lux
Signal-to-noise ratio	34dB
Protocol	TCP / IP, UDP
Compatible access	SDK
Temperature Measurement Function	
Measurement range	+28℃ ~ +42℃
Measurement accuracy	±0.4℃(without blackbody), ±0.3℃(with blackbody)
Measurement mode	Point, line and rectangle measurement modes. The full screen supports the highest temperature display. The line and rectangle temperature support the highest temperature, the lowest temperature and the average temperature display.
Overtemperature alarm	Abnormal human body temperature alarm and sound prompt (support personalized setting).
Intelligent features	Support automatic capture of moving face targets.
Face area recognition	Support mask-wearing face area identification to avoid false alarms from non-face high-temperature objects.