



EOC-BT-T10-X Series Mobile Human Body Temperature Measurement System

This BT-T10-X series mobile human body temperature screening systems use AI thermal imaging cameras to quickly locate and accurately measure the human face.

It is based on infrared human body thermometers, high-definition cameras, intelligent human body temperature screening platform software, AI technology, infrared thermal imaging temperature measurement technology, and video smart analysis technology to achieve rapid and accurate body temperature screening for large-scale populations.

The system can quickly screen out persons with abnormal body temperature, accurately and efficiently, and comprehensively prevent and control them, avoid the congestion of a large area of people, improve passing efficiency, and effectively help intelligent epidemic prevention.

Trace and analyze historical data, providing practical data support for tracing suspected patients and close contacts.



Model

- BT-T10-X

Thermal Imaging Feature

- 384 × 288 high sensitivity detector
- More than 15 people to measure the temperature at the same time
- 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

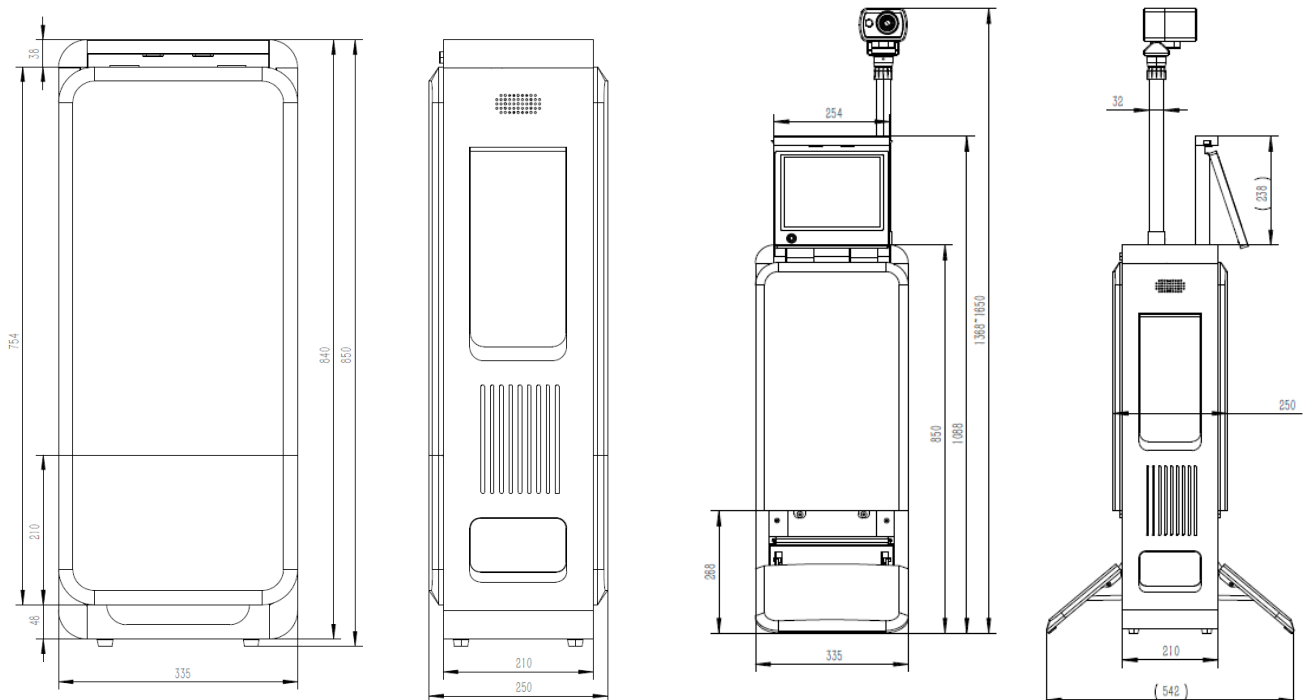
Visual Camera Feature

- High definition CMOS image sensor
- Face temperature measurement mode, intelligently analyzes face targets and measures body temperature
- 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 people movement such as airports, stations, terminals, hospitals, office buildings, etc.

Product Size



Specification

Product name		Mobile human body temperature screening system
Parameter		
Product Model		EOC-BT-T10-X
IR imager	Detector	Uncooled detector
	Detector format	384 × 288
	Spectral range	7.5~14μm
	Pixel pitch	17μm
	Optical	Manual / Automatic
	NETD	< 50mk(@25°C,F#=1.0)
	Lens focal length	6.5mm
	Focus	Electrical
	Field of View	50.8° × 37.1°
	Color Palettes	Hot white, black hot, iron red, etc.
Pic & Video	Thermal Image / Video / Visible Light Picture	Including full temperature data (.jpg) Full Temperature Infrared Video Visible Light Picture (.jpg)
	Frame rate	16 frames/sec
Visual camera	Sensor type	1 / 4 inch Progressive scanning 2MP CMOS image sensor
	Focal length/Zoom	2.7mm
	Maximum aperture	2.8
	Minimum	0.5Lux
	Signal-to-noise	34dB
	Protocol	TCP/IP , UDP
	Compatible access	SDK
Temperature measurement	Measurement range	+28°C ~ +42°C
	Measurement accuracy	±0.4°C(without blackbody), ±0.3°C(with blackbody)
	Measurement distance (HUMAN)	Recommend distance 2~3.5 meter
	Temperature 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	Abnormal human body temperature alarm and sound promptly

	Intelligent features	Automatic capture of moving face targets.
	Face area recognition	Mask-wearing face area identification to avoid false alarms from non-face high-temperature objects.
	Simultaneous detection faces number	≥15
Touch screen	Screen size	10.4 inch
	Resolution	1024×768
	Brightness	350cd/m ² (Typ.)
	Contrast	1000:1(Typ.) (transmission)
Engineering	CPU	Intel I5-9300H
	Graphic	Nvidia GTX1650
	Storage	DDR4 8G
	Hard disk	SSD 512G
	OS	Win10
General specification	Power supply	AC220V/50Hz
	Rate of work	60W (MAX)
	Dimension(mm)	850mm×335mm×250mm
	Weight	≤15Kg
	Protection level	IP54
	Working temperature and humidity	+10°C ~ +30°C , < 90% RH