



Thermal camera



Blackbody

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## BI-SPECTRAL INFRARED TEMPERATURE FAST SCREENING INSTRUMENT

Recommended for schools, hospitals, and office buildings

With high accuracy and easy installation, the THRM-TC600 provides a non-contact, multi-person solution to measure body temperature for those entering a facility. This thermal solution can be used as the first step in identifying and sequestering individuals who may be a high risk for virus introduction into the facility. The THRM-TC600 is an ideal detection solution for high traffic areas, including airports, hospitals, schools, convention centers, sports arenas, and entertainment venues to protect visitors, customers, and employees from exposure to coronavirus and other contagions that may be signaled by high temperature.

### THERMAL IMAGING FUNCTIONS

- + Resolution 384 × 288, high sensitivity detector
- + Highest temperature cross cursor positioning
- + Support point, line and rectangle temperature measurement modes
- + Support temperature abnormal alarm function
- + Support automatic capture of moving face targets
- + Support wearing a mask to identify the face area to avoid false alarms from non-face high temperature objects

### VISIBLE LIGHT PHASE FUNCTIONS

- + Support automatic exposure control and automatic white balance
  - + Support face temperature measurement mode, intelligently analyze face targets and measure temperature, support multiple alarm linkages
  - + Dual light temperature measurement linkage, can draw regular and superimposed temperature measurement information on visible light image
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## SPECIFICATIONS

### THERMAL CAMERA

Sensor type	Uncooled detector
Max. Resolution	384 × 288
Response band	7.5 - 14μm
Pixel pitch	17μm
Optical Transmission Calibration	Manual / Automatic
NETD (Noise Equivalent Temperature Difference)	<50mk (@ 25°C, F # = 1.0)
Lens focal length	6.5mm
Aperture	F1.0
Field of View	50.8° × 37.1°
Palette	Hot white, black hot, iron red, etc.

### IMAGE AND VIDEO

Thermal Image / Video / Visible Light Picture	.jpg (including full temperature data) / Full Temperature Infrared Video / .jpg Visible
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### VISIBLE LIGHT CAMERA PARAMETERS

Sensor type	5MP (2592*1944), 1/4 inch Progressive scanning CMOS image sensor (resolution limited to 1024*768)
Focal length/Zoom	2.7mm/No optical zoom
Maximum aperture	2.8
Auto exposure control	Support
Automatic white balance	Support
Minimum illumination	0.5Lux
Signal to noise ratio	34dB
Resolution	Main stream: limited to 1024x768, in order to keep coaxial with thermal imaging Secondary stream: N/A Third stream: N/A
Protocol	TCP / IP, UDP
Compatible Access	SDK

### TEMPERATURE MEASUREMENT FUNCTION

Temperature measurement range	82.4°F-107.6°F (28°C-42°C)
Temperature measurement accuracy	≤ 0.4° (without blackbody), ≤ 0.3° (with blackbody)
Detection distance (person)	Recommended temperature measurement distance is 6.5-8.2 feet (2-2.5m)
Temperature measurement accuracy	Under the rated working environment conditions, ± 0.4° (without black body) ± 0.3° (with black body)
Temperature measurement area setting	Support global highest temperature tracking, point, line, rectangle temperature measurement mode
Over temperature alarm function	Support temperature abnormal alarm function, area alarm text, alarm voice prompt
Intelligent features	Support automatic capture of moving face targets
Face area recognition	Support wearing a mask to identify the face area to avoid false alarms from non-face high temperature objects

### GENERAL SPECIFICATIONS

Power input	DC12V
Power	<5 W
POE power supply	N/A
Size (mm)	9.1" × 4.7" × 3.8" (232mm × 120mm × 96mm) Weight ≤1Kg
Protection class	IP65
Working temperature and humidity	50°F - 86°F (10°C - 30°C), <90% RH