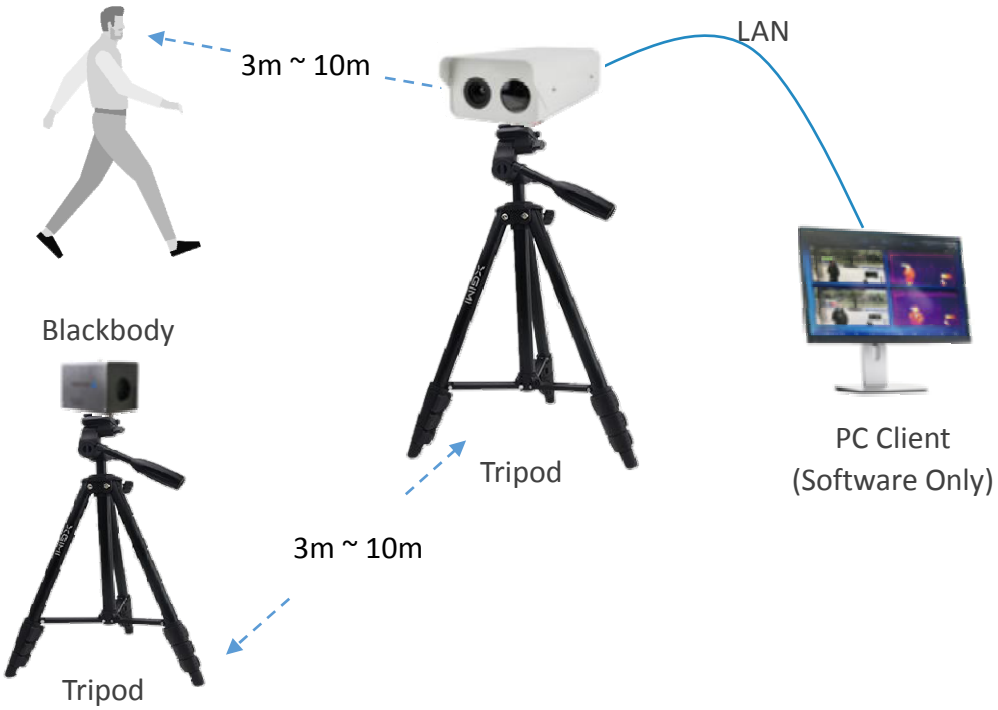
DATASHEET

Bi-spectral Infrared Body Temperature Fast Screening Instrument

USS-TIC600



Introduction

The dual-view infrared USS-TIC600 series dual-spectrum infrared body temperature rapid screening instrument is mainly developed based on the principle of infrared thermal radiation. It uses a non-cooled bolometer sensor and low signal-noise image processing technology. It is a non-contact, real-time, continuous and accurate Temperature measuring equipment. At the same time, a dedicated software system can be used to visually display the temperature information of the temperature measurement objects. It can be used for entry-exit health quarantine at customs, airports, stations, terminals, land ports, and epidemic prevention in key places such as schools, hospitals, office buildings Control scenes are widely used.

Key Features

- Longer distance, large scenes can also be accurately and quickly screened
- The system contains blackbody, the temperature measurement accuracy is ≤0.3℃
- Simultaneous temperature display of visible and infrared thermal imaging
- Real time thermal imaging, multi-target automatic temperature measurement
- Support automatic capture when alarm is triggered to provide evidence after the event

- Support automatic calibration of body and surface temperature to make temperature measurement more accurate
- Support historical alarm record query
- The whole system is delivered together with tripod, software, etc

Thermal imaging function:

- Resolution 384 × 288, high sensitivity detector
- Highest temperature cross cursor positioning
- Supports point, line, rectangle, and irregular area temperature measurement modes
- Supports *"human body temperature abnormal"* alarm function
- Supports automatic capture of moving face targets
- Supports face detection with mask wearing to avoid false alarms from non-face high temperature objects

Visible light camera function:

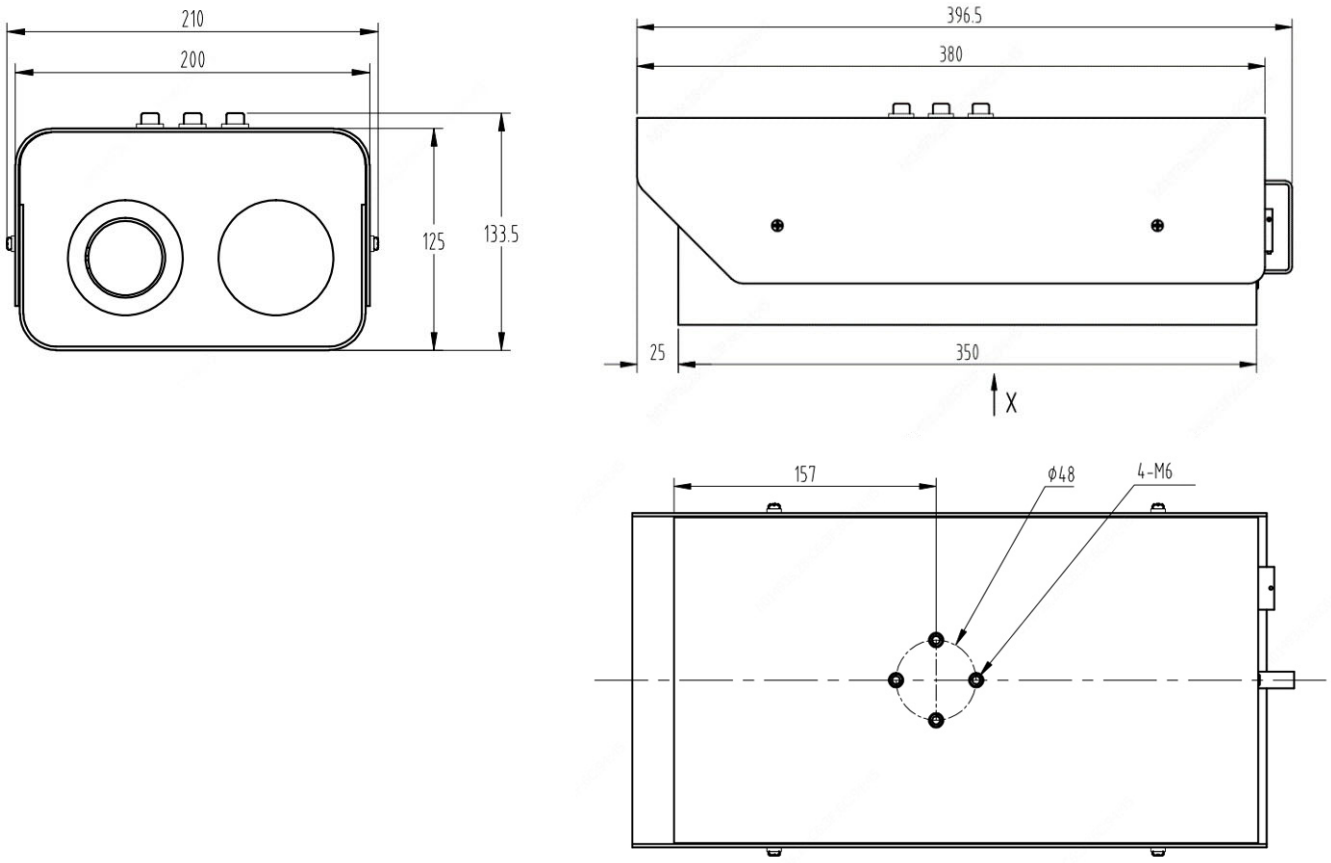
- FullHD Starlight 120dB WDR
- Supports automatic exposure control and automatic white balance
- Supports face temperature measurement mode, intelligently analyzes face targets and measures body temperature, supports multiple alarm linkages
- Dual light temperature measurement linkage, can draw regular and superimposed temperature measurement information on visible light image

Specifications

Model	USS-TIC600
Thermal camera	
Sensor type	Uncooled detector
Sensor pixels	384 × 288
Response band	8 ~ 14μm
Pixel size	25μm
Optical Transmission Calibration	Manual / Automatic
NETD	<60mK (@ 25 ° C, F # = 1.0)
Lens focal length	18mm
Field of View	25° × 19°
Image frame rate	25fps
Detection distance	3~10 meters

Visible light camera	
Sensor	1/1.8" progressive scan CMOS, S/N > 52dB
Lens	3.8~16mm, manual control, f/1.6
Minimum illumination	Colour : 0.001Lux(F1.6, AGC ON) B/W : 0.0002Lux(F1.6, AGC ON)
Defog	Optical & digital
Video frame rate	1920*1080, Max 30fps
SD card	Micro SD, up to 256GB, ANR function supported
Black body	
Accuracy	± 0.2°C (Single point)
Stability	± 0.1-0.2°C / 30min
Radiation Area	ϕ70mm
Dimensions	135mm x 135mm x 150mm < 3.5kg
Power	230V AC, 50Hz 60W
Temperature measurement function	
Temperature measurement range	32°C - 42°C
Temperature measurement accuracy	less than ± 0.3°C (with black body)
Working environment temperature range	16°C - 32°C
Temperature measurement area setting	Support global highest temperature, lowest temperature, average temperature tracking, point, line, rectangle, irregular area temperature measurement mode
Number of measured targets	at least 20 faces in single frame
Over temperature alarm function	Support human body temperature abnormal alarm function, area alarm text, temperature measurement box color can be set, alarm voice prompt
Intelligent features	Support automatic capture of moving face targets Support automatic temperature calibration
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	15W (MAX)
Size (mm)	396.5mm x 210mm × 133.5mm
Weight	≤5Kg
Protection class	IP66
Working temperature and humidity	-20 ° C ～ + 55 ° C, <90% RH
Other	
Item List	1x Thermography camera, 1x Black body , 2x Tripod, Power Adapter, Client Software
PC requirement	Windows 10 64 bit, I5, 8GB RAM, LAN port

Dimensions



Unit: mm