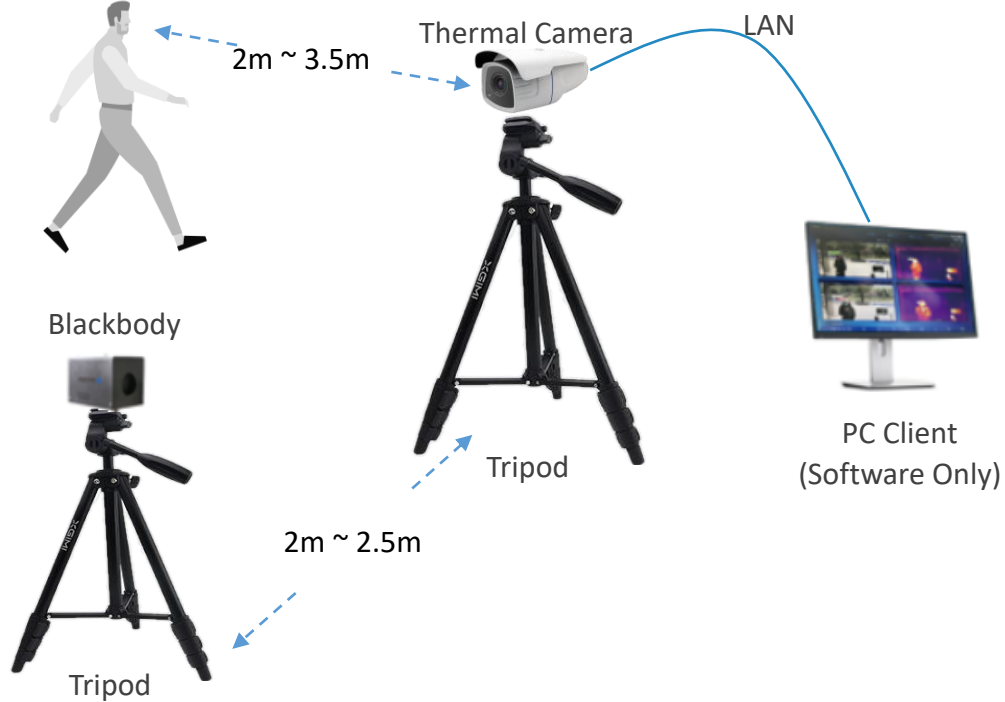


# Bi-spectral Infrared Body Temperature Fast Screening Instrument

## USS-TIC500



## Introduction

The dual-view infrared USS-TIC-500 series dual-spectrum infrared body temperature rapid screening instrument is mainly developed based on the principle of infrared thermal radiation. It uses a non-refrigerated core 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

### Thermal imaging function:

- Resolution 384 × 288, high sensitivity detector
- Highest temperature cross cursor positioning
- Supports point, line, rectangle, and irregular area temperature measurement modes

- Support human body 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 function:**

- 500W high-definition visible light detector
- 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-TIC500
<b>Thermal Camera</b>	
Sensor type	Uncooled detector
Sensor pixels	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
Field of View	50.8 ° × 37.1 °
Image frame rate	16fps
Palette	Hot white, black hot, iron red, etc.
<b>Image and Video</b>	
Thermal Image / Video / Visible Light Picture	.jpg (including full temperature data) / Full Temperature Infrared Video / .jpg Visible Light Picture
<b>Visible light camera parameters</b>	
Focal length	2.7mm
Sensor pixels	5 million pixels

**Temperature measurement function**

<b>Temperature measurement range</b>	28 ° C~42 ° C
<b>Temperature measurement deviation</b>	± 0.3 ° C (with black body)
<b>Temperature measurement area setting</b>	Support global highest temperature, lowest temperature, average temperature tracking, point, line, rectangle, irregular area temperature measurement mode
<b>Over temperature alarm function</b>	Support human body temperature abnormal alarm function, area alarm text, temperature measurement box color can be set, alarm voice prompt
<b>Intelligent features</b>	Support automatic capture of moving face targets
<b>Face area recognition</b>	Support wearing a mask to identify the face area to avoid false alarms from non-face high temperature objects

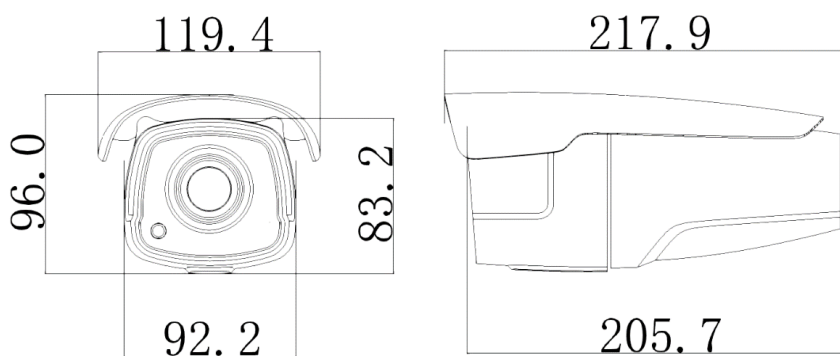
**General specifications**

<b>Power input</b>	DC12V
<b>Power</b>	5W (MAX)
<b>Size (mm)</b>	232mmx120mm × 96mm
<b>Weight</b>	≤1Kg
<b>Protection class</b>	IP65
<b>Working temperature and humidity</b>	-10 ° C ~ + 30 ° C, <90% RH

**Other**

<b>Item List</b>	1*Bullet thermal camera, 1*Black body , 2*Tripod, Client Software
<b>PC requirement</b>	Windows 10 64 bit, I5, 8GB RAM, NVIDIA Discrete graphics 2G

## Dimensions



Unit: mm