Bi-spectral Infrared Temperature Fast Screening Instrument
USS-TIC500

Thermal Camera

LAN

2m ~ 2.5m

Blackbody

PC Client

1.5m ~ 3m
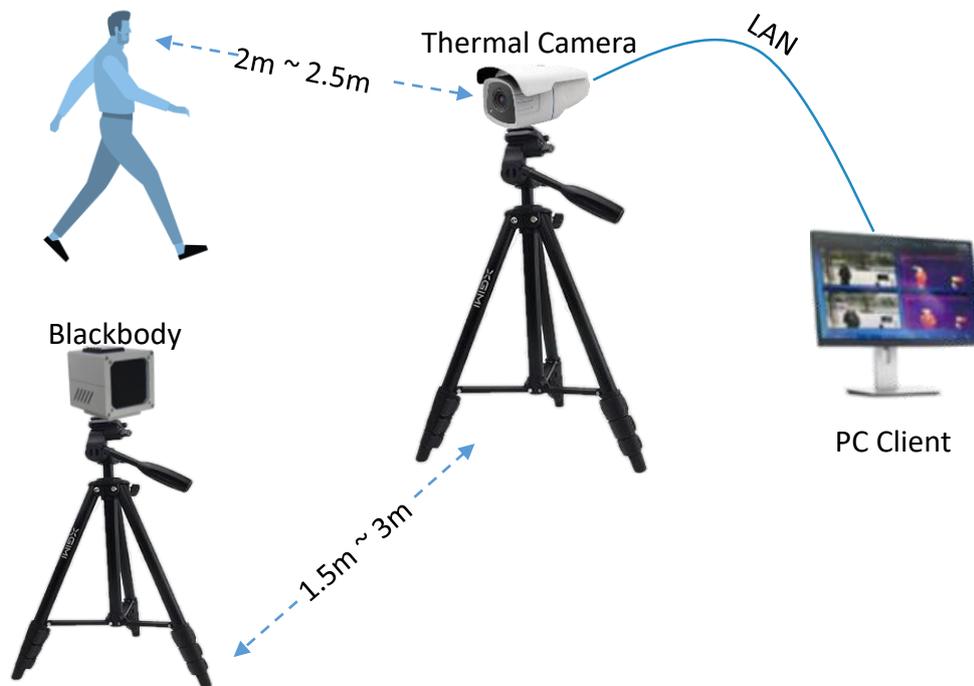
Introduction

The dual-view infrared USS-TIC-500 series dual-spectrum infrared temperature rapid screening camera 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 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
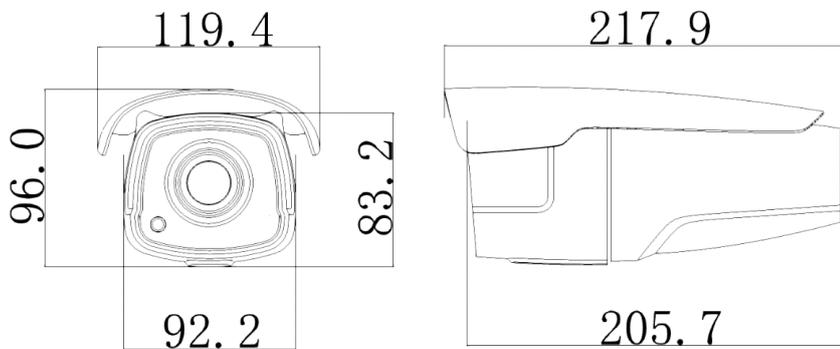
Visible light phase functions

- 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

Specifications

Model	USS-TIC500
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 Light Picture
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	+28℃~+42℃
Temperature measurement accuracy	≤ 0.4℃ (without blackbody), ≤ 0.3℃ (with blackbody)
Detection distance (person)	Recommended temperature measurement distance is 2-2.5m
Temperature measurement accuracy	Under the rated working environment conditions, ± 0.4 ° C (without black body) ± 0.3 ° C (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)	232mmx120mm × 96mm
Weight	≤1Kg
Protection class	IP65
Working temperature and humidity	+10 ° C ～+ 30 ° C, <90% RH

Dimensions

119.4
96.0
83.2
92.2
217.9
205.7

Unit: mm