

BI-SPECTRAL INFRARED TEMPERATURE FAST SCREENING INSTRUMENT

Recommended for schools, hospitals, and office buildings

The dual-view infrared 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.

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

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 Infrare Video / .jpg Visible
VISIBLE LIGHT CAMERA PARAMI	ETERS
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./mm/No optical zoom 2.8
Maximum aperture Auto exposure control	
·	2.8
Auto exposure control	2.8 Support
Auto exposure control Automatic white balance	2.8 Support Support
Auto exposure control Automatic white balance Minimum illumination	2.8 Support Support 0.5Lux 34dB
Auto exposure control Automatic white balance Minimum illumination Signal to noise ratio	2.8 Support Support 0.5Lux 34dB Main stream: limited to 1024x76 in order to keep coaxial with thermal imaging Secondary stream: N/A

TEMPERATURE MEASUREMENT FUNCTION	
Temperature measurement range	+28°C~+42°C
Temperature measurement accuracy	≤ 0.4°C (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)	232mm x 120mm × 96mm Weight ≤1Kg
Protection class	IP65
Working temperature and humidity	+10°C - +30° C, <90% RH