

DaoSafe



DSSP540

Infrared Thermal Imaging
Face Temperature Measurement Camera
And Management System



Simultaneous temperature measurement of 30 people



AI smart face recognition



300 people/min passing rate



Accuracy is within $\pm 0.3^{\circ}\text{C}$



256*192 high resolution



Best detection distance 1.5-3m



High temperature automatic warning



Computer data transmission



HD infrared night vision



Real-time image transmission

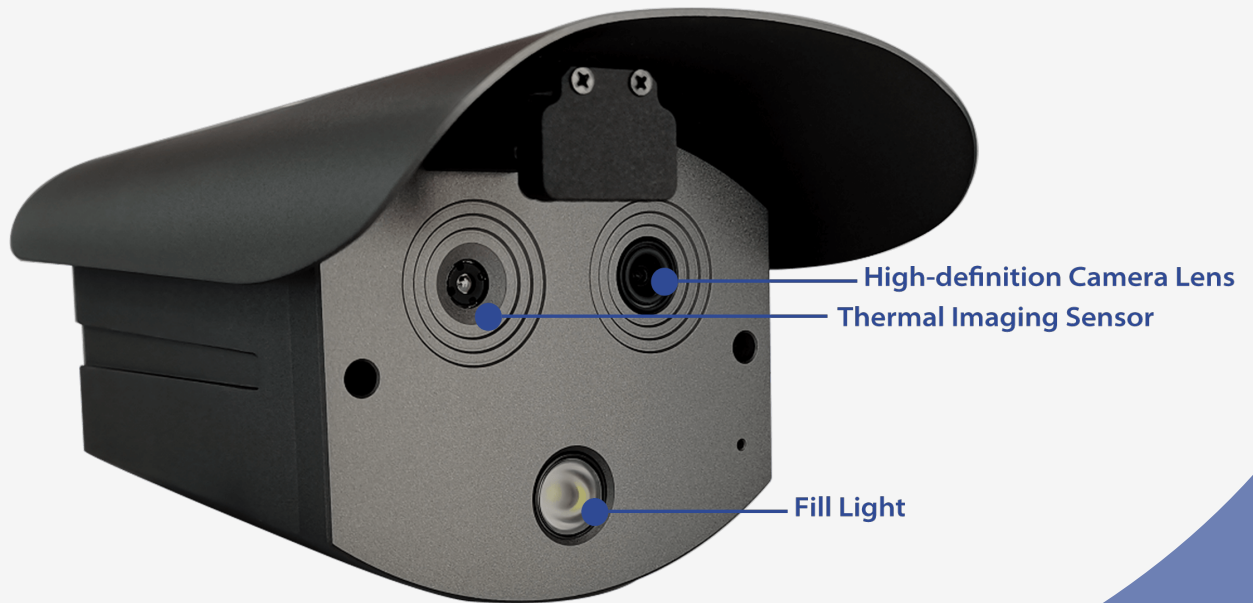


Thermal Camera built-in Blackbody with HDMI Output

Plug and play, Flexible control

Start to operate when connecting it to display device or TV set with HDMI cable, no computer is needed.

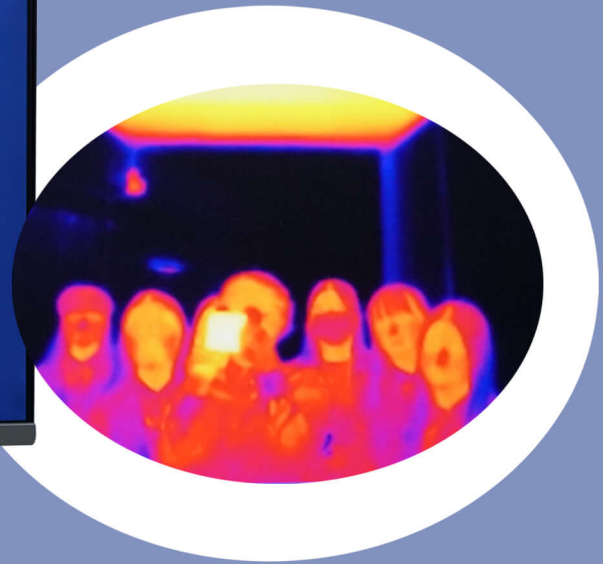
Features



- Thermal imaging temperature measurement module with pixels up to 256x192
- Pixel Pitch: 12μm, thermal sensitivity (NETD) : $\leq 60\text{mK}$ (@25°C · F#=1.1)
- Non-contact temperature measurement, accuracy: $\pm 0.3^{\circ}\text{C}$ (target temperature 30°C~50°C)
- Built-in blackbody, automatic correction, no fear of the influence of complex environment on thermal imaging temperature measurement
- Built-in accurate facial temperature measurement algorithm, not affected by the surrounding high temperature environment
- Detection Distance: 1m~4m (Optimal Distance 1.5M to 3M)
- 1080P HD visible image sensor
- Built-in deep learning AI algorithm, Support simultaneous detecting of 20 faces
- Maximum output frame rate:
Visible : 1920x1080@25fps Thermal : 256x192@25fps
- HDMI output video and voice broadcast, real time display of the number of passers-by and abnormal temperature.
- Built-in white light lamp fills light, it can be used normally at night
- Built-in EMMC storage, save up to 100,000 temperature measurement records, downloads data to PC by tool.
- Provide formal institution calibration certificate
- Scope of application: It can be widely Applied to scenarios that require a wide range of body temperature detection, such as airports, stations, shopping malls, subway stations, schools and other.

Specifications

General	Model No.	DSSP540
	Brand	Daosafe
	Operating Temperature	-10℃~35℃
	Operating Humidity	0%-90% RH (non-condensing)
	Protection Level	IP64
	Power Supply	12V DC
	Power Consumption	≤6W
	Dimensions	235mm*136mm*92mm
	Weight	<1.2kg
Thermal	Sensor type	Silicon oxide uncooled infrared focal plane detector
	Thermal	Effective Pixels :256x192, Pixel Pitch: 12μm
	Lens	Focal Distance : 3.2mm, Angle of view : 56°x 42
	Detection accuracy	±0.3℃, Target Temperature: 35℃~38℃
	Detection Distance	1m to 4m (Optimal Distance 1.5M to 3M)
Blackbody	Effective Radiating Area	15mm*30mm
	Range of Temperature	30℃-50℃
	Temperature Resolution	0.01℃
	Stabilization Precision	≤0.1℃
Visible	Image Sensor	1/2.8inch CMOS Visible Effective Pixels:2MP
	Min.Illumination	0.05Lux@F1.2 (Color Mode Or RGB) ,0.01Lux@F1.2 (Black and white mode)
	WDR	≥80dB
	SNR (Signal to Noise Ratio)	≥46dB (AGC OFF)
	Focal Length	4mm
	Field of view	Horizontal view angle: 84°, Vertical view: 45°
AI	Face Capture	Built in deep learning AI algorithm, support simultaneous detecting of 20 faces, face detecting and capturing.
	Abnormal Temperature Alarm	Abnormal body temperature voice alarm (default alarm threshold is 37.3 ℃)
Hardware Interfaces	Power Supply	DC12V ,2A
	Network Interface	1x channel 10 / 100BaseT Ethernet,1x RJ45 interface
	Alarm Interface	Support switch alarm signal output, linkage external sound and light alarm
	Audio and Video Interface	1x HDMI Output
	Storage	The storage has built-in EMMC storage, which can store up to 100000 temperature measurement records
	Operating Humidity	0%-90% RH (non-condensing)



Fast Multi-person Temperature Measurement

AI face recognition algorithm enables to automatically track face and detect temperature free of being affected by other interfering heat sources. Meanwhile, it supports masked detection and helps to reduce the workload of epidemic prevent.

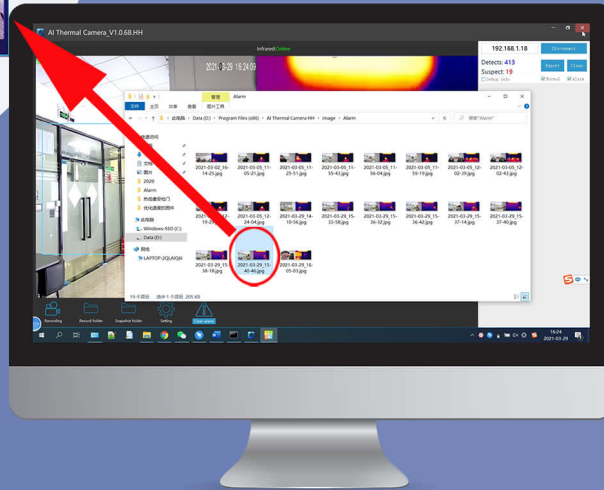


High Temperature Warning

When the temperature data is higher than the set temperature, it will send out an alarm message, support image alarm and sound alarm, and support automatic saving of photos

AI Face Auto Lock-on Prevent False Alarms

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Synchronization TV and PC Desktop Support Data Export

Real time image and infrared thermal image display synchronously on TV screen and PC desktop. At the same time, the product supports people statistics and report export from PC software system for easy retrospective later.

Application

Meeting hall



Schools

Hospitals



Metro

Supermarkets



Banks

Office buildings



Industrial parks

Use Flow

1



Connecting



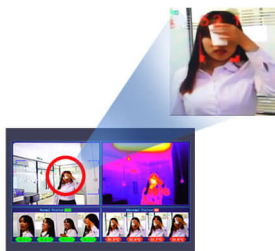
Start to operate by connecting the product to the power supply, display, TV set or PC desktop.

2



Automatically detect temperature when walking through the machine within the range of 1 to 4 meters.

3



Automatically give an alarm in case of over-temperature and support automatic photo retention and data export from PC software system.

4



The staff confirms detection temperature again.