



DSSP520

Accurate • Efficient • Intelligent

Fixed Thermal

Rapid Body Temperature Detection



Dual Vision System



Non-inductive
Temp Measure



Multi-Person Detection



Accurate Measure



Automatic Alarm



Fast Deployment

Product Introduction

Model DSSP520 is an intelligent infrared thermal body temperature screening device that integrates infrared thermography temperature measurement and high-definition visible imaging.

Also is a dual vision intelligent, fast-deployed temperature screening device, suitable for rapid temperature screening in public places.

The product incorporates an adaptive temperature measurement algorithm, while supporting network connectivity, achieving dual functions of temperature measurement and security monitoring, and continuously creating value for uses.



- High-sensitivity infrared thermal imaging for 24 hours monitoring and non-contact temperature measurement with information visualization.
- Full screen temperature measurement in the field of view, automatically tracking the highest and lowest temperature of the screen, support for over-heat alarm.
- Support the highest temperature, lowest temperature and average temperature data OSD overlay video screen display.
- High-definition video, you can view the target at any time, and accurately detect the temperature in combination with the infrared thermal imaging temperature information.
- Visible and infrared thermal imaging cameras monitor sites in real time.
- A single thermometer has area temperature measurement, and 6 monitoring areas can be set to achieve multi-target temperature measurement.
- Data is transmitted through the IP network format, compatible with existing network facilities, no need rewiring.

Product Features

◦ MORE *PRECISE*

High sensitivity precision, applied adaptive algorithms, the temperature measurement accuracy reaches $\pm 0.3\text{ }^{\circ}\text{C}$ after on-site calibration.



MORE EFFICIENT

Flexible and instrumental of front-end design and terminal design modes, plug and play.

Support fixed point and mobile deployment, fulfill different application scenarios, easy operation, maintenance free.



MORE INTUITIVE

Real time image and infrared thermal image display synchronously on screen, face recognition.

The device has powerful front-end processing capabilities, and can be connected to a matching temperature screening comprehensive management software through a network to observe high-quality thermal imaging and visible video in real time.

AUTOMATIC ALARM

Over-temperature alarm and the threshold can be set.

Through simple parameter setting, it can realize the identification of abnormal body temperature in the area and the monitoring of body temperature over-limit alarm.

MORE *EFFICIENT*

Temperature measure efficiently, built-in algorithm supports multiple people detection.

The temperature screener can be widely used in public places such as airports, stations, hospitals, banks, commercial supermarkets, conference centers, schools, and industrial parks, as well as various centralized office sites, helping to efficiently and quickly take body temperature screening and monitoring in each scene.



MORE *INTELLIGENT*

Intelligent temperature measurement, target face automatically and detect body temperature, avoid false alarm.

PARAMETERS

General	Model No.	DSSP520
	Brand	Daosafe
	Framework Material	Metal
	Dimension	95×88x40mm
	Net Weight	450g/pcs
	Power Supply	DC12V (9V-14V)
	Web Client Language	English, Chinese
	Power Consumption	≤3W
	Operation Temperature	10°C~45°C (The best working temperature for body temperature measurement is 16°C~32°C)
	Operation Humidity	EC 60068-2-30/24h 85%RH
Thermal Camera	Sensor	Uncooled FPA
	Max. Resolution	160*120
	Spectrum	8μm -14μm
	Thermal Sensitivity (NETD)	≤50mk (0.050°C)
	Field of View	H: 57°, V: 44.3°
	Color Palette	Iron Red, Rainbow, White Thermal, Black Thermal, etc.
Visible Camera	Image Sensor	1/2.5 inch CMOS
	Effective Resolution	1920*1080P
	Pixel	2 mega pixel
	Field of View	H: 84°, V: 65°
	Wide Dynamic	Supported
	Low Light Level	0.01Lux @(F1.5)
Measurement	Range	28°C~45°C
	Accuracy	±0.3°C (Human Body 33°C~40°C) ±0.5°C (Beyond human body 33°C~40°C)
	Regional	Support up to 6 settable region temperature measurement, alarm type is independently set.
	Calibration	Manual and Automatic
	Accurate Distance	Recommend 1m~2m
	Abnormal Alarm	Higher than the highest temperature / lower than the lowest temperature / between / beyond The highest temperature / lowest temperature alarm threshold settings

Image	Video Output	28°C~45°C
	Main-stream (Resolution)	±0.3°C (Human Body 33°C~40°C) ±0.5°C (Beyond human body 33°C~40°C)
	Sub-stream (Resolution)	Support up to 6 settable region temperature measurement, alarm type is independently set.
Network	Previews at the same time	6
	User Rights	Administrator/High Level Operator/General Operator
	Security Mode	Authorized username and password
	Compression	H.264/H.265
	Protocol	ICMP,TCP,UDP,RTP,RTSP,DHCP,PPPOE,UPNP,DDNS,ONVIF,GB2818

COMPONENT LIST

D S S P 5 2 0



Tripod (Optional)



Network Cable



Power Adapt



Adapt Block



Quick Setup Plate

APPLICATION RANGE



School



Shopping Mall



Hospital



Airport



Factory



Station

OPERATING CONDITIONS

- Strong light should not be shining directly at the camera.
- Thermal camera and testing area should be shaded from sun and should be pitched a tent when use outdoors.
- Installation position should not be facing directly to the wind.
- When measuring, person should be facing the device, 1~2 meters identification distance advisable.
- There should be nothing blocking line of site between the thermal camera and the person who is having their temperature read.
- This product is a precision instrument, do not disassemble it by yourself during installation and use. Avoid strong knock or collision.
- This product is do not including the tripod, the adapter block can support install with the standard photography tripod.