Dynacom WQT530 Series

Thermal Body-temperature mesasurement device

Intelligent Human Temperature Measurement System

WQT530 system includes the thermal imaging camera, CMOS camera, housing, black body and computer. Though internet, the computer can control the thermal imaging camera and CMOS camera, to get the measurement data. This system could be fixed or moveable, with measurement distance of 3-10 meters, widely used at the airport, the dock, the hospital, shopping mall, bus station and ect.

Realtime, Scanning quickly

Built-in software body temperature display

Image storage, 24 hours monitoring

Widely applied to airports, hospitals, docks and other crowded places

It is suitable for public places, such as airports, ports of entry, termina

Full network, 384*288 network thermal camera and 2.0M HD network visible camera.

Thermal camera use front end measurement technology. The temperature cover the image of HD network visible camera, to avoid delay and guarantee real-time.

Real-time dynamic thermal image, multiple targets measurement.

Remote non-contact measurement, fast and safe.

Smart measurement, in vivo and body surface auto amendment.

Auto calibration, built-in reference black-body and high precision temperature sensor. Comb-out temperature drifting, can work stable for years without interference of environment.

Fixed and movable cart optional on the scene

Moveable working station, of great convenience and flexibility.

Far distance non-contact measurement, safe and fast

Auto calibration, non-contact, cooperate with the black body, has great measurement accuracy and stability

Intelligent temperature measurement, with auto adjustment function.
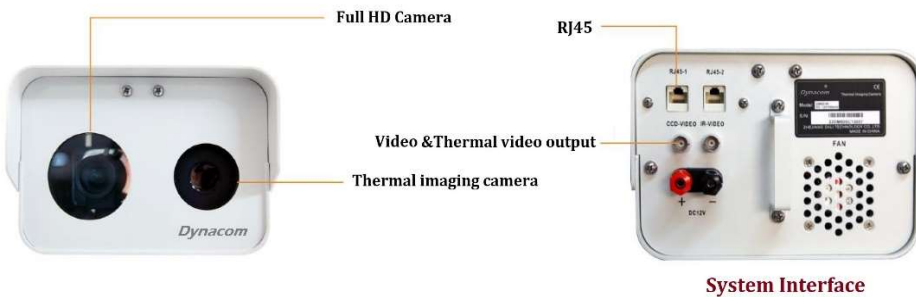
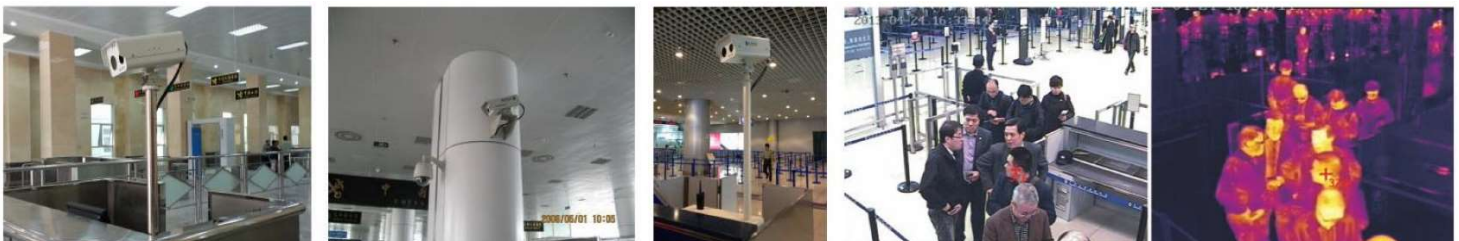Real time measurement data, auto measurement for more than one object

IP type thermal imaging camera, convenient for transfer

With UPS power, ensure for continuous working

Full HD Camera

RJ45

Video &Thermal video output

Thermal imaging camera

System Interface

Monitor Interface

Function Description

Spot measurement in full screen
Auto -tracking the max. temperature, the real-time automatic tracking the highest temperature, realize the simultaneous alarm to multi-objectives that is over the temperature setting.

Multi-option off palette
User can adjust the palette for different color scale.

Intelligent body temperature measurement

Save the infrared images and recordings
Images and recordings saved by the system can be recalled for further analysis. Emissivity, distance , humidity and environment temperature can be adjustable.

Infrared image and CMOS image overlay
Accurate location on the CMOS image, and analysis result of the measurement can be overlaid both to the infrared image and CMOS image.

Infrared image and temperature value can be uploaded remotely
Rea I-time on-site surveillance can be realized by telecom globaI

Intelligent alarm function
Complex alarm conditions can be settable, such as alarm temperature range, mininn um alarm area, and muItiple spots a larm & tracking, multi ple alarm area and temperature range for avoiding disturbance of inflamer, h ot water, tu be, etc. Alarm delay, alarm sensitivity, and alarm temperature value can be settable by indicating with different colo r, whit e ala rm by sound is also availa ble.

System Application Topology

Remote Browsing

Staff channel

External blackbody

Item		WQT530
Detector	Detector type	Uncooled FPA
	Spectral range	8 - 14 μm
	Resolution	384×288
	NETD	≤60mk
Lens	FOV	24°×18°（Other FOV optional）
	Focal length	Electric or fixed
Function	Measurement range	0℃～60℃
	stability	≤0.3℃
	Accuracy	≤±0.3℃
	Alarm delay	0.5s
	Pseudo color	11
	Measure calibration	Full auto measurement calibration with built-in and external black-body.
Visible camera	Resolution	1920*1080
	Sensor	2.0M 1/1.8"CMOS Starlight ultra-low illumination camera
	Function	Support Wide dynamic, strong light suppression
	FOV	24°×18° (optional on the scene)
Environment	Working Temp	-20℃- +50℃
	Storage Temp	-40℃- +60℃
Physical parameters	Input power	DC 12V
	Power consumption	≤15W
	Network interface	1 with RJ45
	Weight	<5KG
	Dimension	345×189×154mm（mainframe）