

Dynacom WQT530 Series

Thermal Body-temperature measurement device

Intelligent Human Temperature Measurement System

WQT530 system includes the thermal imaging camera, CCD camera, housing, black body and computer. Through internet, the computer can control the thermal imaging camera and CCD 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.



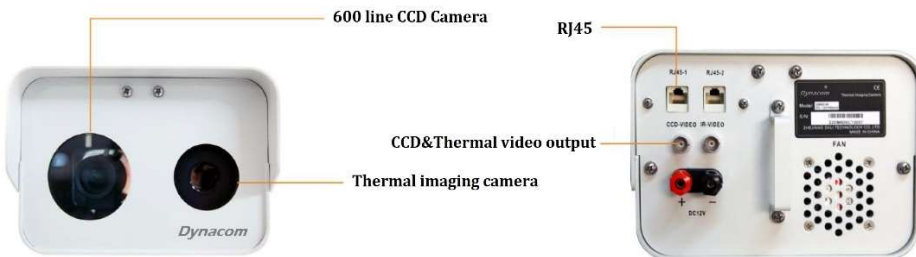
Real time measurement data, auto measurement for more than one object



IP type thermal imaging camera, convenient for transfer



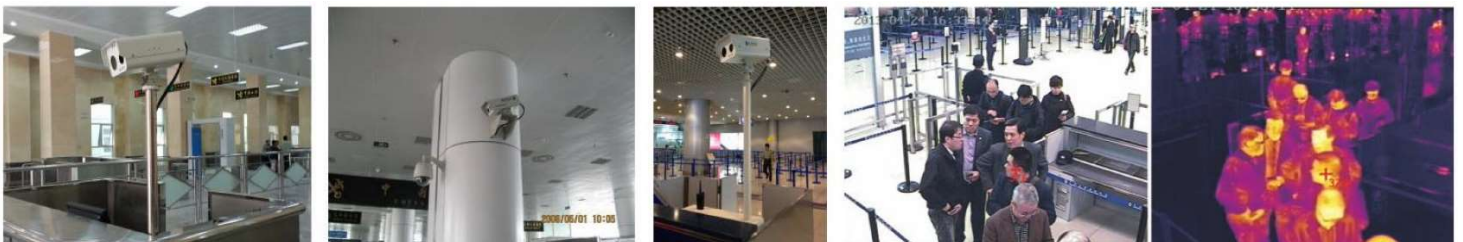
With UPS power, ensure for continuous working



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 CCD image overlay

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

Infrared image and temperature value can be uploaded remotely

Real-time on-site surveillance can be realized by telecom global

Intelligent alarm function

Complex alarm conditions can be settable, such as alarm temperature range, minimum alarm area, and multiple spots alarm & tracking, multiple alarm area and temperature range for avoiding disturbance of inflamer, hot water, tube, etc. Alarm delay, alarm sensitivity, and alarm temperature value can be settable by indicating with different color, white alarm by sound is also available.



System Application Topology



Item		WQT530
Detector	Detector type	Uncooled FPA
	Spectral range	8 - 14 μm
	Resolution	384×288
	NETD	$\leq 60\text{mk}$
Lens	FOV	24°×18° (Other FOV optional)
	Focal length	Electric or fixed
Function	Measurement range	0°C~60°C
	stability	$\leq 0.3^\circ\text{C}$
	Accuracy	$\leq \pm 0.3^\circ\text{C}$
	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°C- +50°C
	Storage Temp	-40°C- +60°C
Physical parameters	Input power	DC 12V
	Power consumption	$\leq 15\text{W}$
	Network interface	1 with RJ45
	Weight	<5KG
	Dimension	345×189×154mm (mainframe)