

Infrared Archway Thermo Detector

RG-WX-TD01



Ruijie Networks Co., Ltd.

For further information, please visit our website <https://www.ruijienetworks.com>

Overview

Ruijie's infrared archway thermo detector boasts accurate temperature measurement in a non-contact manner. Faces are recognized via cameras before swift temperature measurement is operated.

This archway thermo detector is suitable to such crowded scenarios as transportation hubs, industrial parks, office buildings, schools, hospitals, public security organizations and governmental agencies.

Indoor environments would help the device have the best performance.

Features

Non-Contact Measurement

For people going through the detector, their temperatures are checked once their faces are recognized. The temperature precision is $\pm 0.3^{\circ}\text{C}$ with a black body and $\pm 0.5^{\circ}\text{C}$ without a black body.

Measurement range is from 0.5m to 2.5m. And the devices works on people whose heights are from 1.45m to 1.90m.

Alarming

A threshold can be set. Therefore, if people with temperatures higher than the threshold, the alarm system is triggered and gives out sound and light signals.

The First Line of Defense

The numbers of people with normal and abnormal temperatures can be viewed. Also, measured results are also displayed immediately.

Components are modularized to facilitate transportation and maintenance.

Technical Specifications

Infrared Archway Thermo Detector		
Type	Indicator	Description
Thermal Imaging	Sensor type	Uncooled VOx detector
	Max image size	160×120
	Pixel size	17μm
	Response wave band	8~14μm

	NETD (Noise Equivalent Temperature Difference)	≤ 60mk (F/1, 300K, 50Hz)
	Focal length of thermal camera	3.85mm
	Field angle of thermal camera	40°×30°
	Object distance	0.5m-1.5m
	F value	1.0
	Pseudo color	White, black, multiple colors, and amber
Visible Light	Sensor type	2-million Stellarcamera 1/2.9" Progressive Scan CMOS
	Min illuminance	0.005Lux ,0 Lux with IR
	Shutter	1/3s to 1/100,000s
	Focal length	2.8mm
	ICR	ICR infrared light filter
	WDR	80dB
Imaging	Fusion of two types of lights	Support fusion of thermal imaging channels and visible light information to improve image quality
	PIP	Support PIP (Picture in Picture) mode where visible light is overlaid with thermal images
	Smart information overlying	Support adding information in thermal images to visible-light images (Information of temperature measurement rules and values)
Smart Functionality	Interconnected alarm	Support
Temperature Measuring	Abnormal temperature measuring	Detecting temperatures of all faces captured in the screen
	Body temperature measuring	Support AI face detection so as to measure body temperatures of many subjects at one time
	Measuring range	30°C to 45°C (86°F to 113°F)
	Alarm	Support connection with a PC to send notifications warning high temperatures, saying "You have a high temperature, please check again".
	Response time	Real-time response
	Measurement Precision	±0.5 °C (no black body)
Compression Standard	Video compression standard	H.265/H.264/MJPEG
	H265 encoding type	Main Profile
	H264 encoding type	BaseLine Profile / Main Profile / High Profile
	Video compression rate	32 Kbps~8Mbps
	Audio compression standard	G.711/G.722.1/G.726/MP2L2/PCM
	Audio compression rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-192Kbps(MP2L2)
Displaying Features	Screen dimension	7 inch
	Resolution	1280 x 800
	Horizontal/Verticalviewing angle	150°/150°
	Aspect ratio	16 : 10
	Touch screen	Support
System	Input power	220 V
	Power	< 35W
	Operating temperature and humidity	5°C~40°C, < 95% RH

	IP rating	IP53
	Weight	< 75 kg
Dimensions (H x W x D)	Contour dimensions	2.2m x 0.85m x 0.43m
	Channel dimensions	1.98m x 0.71m x 0.40m

Ordering Information

Model	Description
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