

ITM-TI008 2MP Temperature Measurement All-in-One HDMI Thermal Imaging Camera with Black Body

Product picture:



Product information:

Model	Description
ITM-TI008	2mp thermal imaging camera , 1 HDMI output, 1 RJ45 Ethernet, 1 alarm output, with black body to calibrate temperature

Features:

- Thermal imaging temperature measurement module with pixels up to 256x192
- Pixel Pitch: 12 μ m, NETD: \leq 60mK (@25 $^{\circ}$ C, F#=1.1)
- Non-contact human temperature measurement, accuracy : \pm 0.3 $^{\circ}$ C (target temperature 35 $^{\circ}$ C~38 $^{\circ}$ C)
- Built-in black body, automatic correction, no fear of the influence of complex environment on thermal imaging temperature measurement
- With accurate facial temperature measurement algorithm, not affected by the surrounding high temperature environment
- Measurement distance: 1m-3.5m
- 1080P HD visible light image sensor, clearer picture
- Deep intelligent learning algorithm, which can detect and measure temperature of 20 people at the same time
- Maximum output frame rate :
 - Visual: 1920x1080@25fps
 - Thermal: 256x192@25fps
- HDMI video output and voice broadcast, real time display the number of passers-by and abnormal temperature
- Built-in white light to compensate light, can be used normally at night
- Built-in EMMC storage, can keep 100,000 temperature measurement records, and use tools to export data to PC

Scope of application:

It can be widely used in scenes that require a wide range of body temperature detection, such as airports, stations, shopping malls, subway stations, schools and other places that require rapid body temperature screening.

Applications:



Specifications:

Model		ITM-T1008
Characteristics		2MP Thermal Imaging Camera
Thermal measurement parameter	Sensor	Silicon oxide uncooled infrared focal plane detector
	Resolution	256x192, pixel pitch 12μm
	Lens	Focal length: 3.2mm, viewing angle: 56°x 42°
	Accuracy	±0.3°C, target temperature 35°C~38°C
	Distance	1-3.5m
Black body Parameter	Effective radiation area	15mm*30mm
	Temperature range	30°C -50°C
	Temperature resolution	0.01°C
	Stable Accuracy	≤0.1°C
Visual module parameter	Image sensor	1/2.8" 2.0M Pixel Progressive Scan CMOS
	Min Illumination	0.05Lux@F1.2 (color mode) 、 0.01Lux@F1.2 (B/W mode)
	WDR range	≥80dB
	SNR	≥46dB (AGC OFF)
	Focal length	4mm
	Viewing angle	Horizontal 84°、 Vertical 45°
AI	Face capture	Built-in deep learning AI algorithm, supports simultaneous detection of 20 faces, face detection, and snapshot

	Abnormal temperature alarm	Abnormal temperature voice alarm(default alarm threshold is 37.3℃)
Hardware interface	Power supply interface	DC12V interface
	RJ45 interface	1 10/100BaseT Ethernet, RJ45 interface
	Alarm interface	Support switch alarm signal output, can be linked with external sound and light alarm
	Audio&Video interface	Support 1ch HDMI HD audio video output
	Storage	Built in EMMC storage , can store up to 100,000 temperature measurement
	General specifications	Working temperature
Working humidity		0%-90% RH (No condensation)
Protection level		IP64
Power supply		12VDC
Consumption		≤6W
Dimension		235mm*136mm*92mm
Weight		<1.2kg