

2 million thermal imaging temperature measurement camera

No computer needed, built-in system

Product number

C196

Application scenario

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



Features

- Thermal imaging temperature measurement module with pixels up to 256x192
- Pixel size 12 μ m, thermal sensitivity (NETD): ≤ 60 mK (@25 $^{\circ}$ C, F#=1.1)
- Non-contact personnel temperature measurement, accuracy: ± 0.3 $^{\circ}$ C (target temperature 30 $^{\circ}$ C~50 $^{\circ}$ C)
- Human body temperature measurement distance: 1m~4m
- Built-in 1080P visible light image sensor
- Embedded deep learning algorithm can detect and measure temperature of 20 people at the same time
- Maximum output frame rate:
- Visible light: 1920x1080@25fps
- Thermal imaging: 256x192@25fps
- HDMI output preview audio and video, real-time display of the number of passers-by and abnormal temperature
- Built-in EMMC storage, can keep 100,000 temperature measurement records, can use tools to export data to PC
- Built-in white light lamp fill light, support abnormal temperature sound alarm

HDMI display screen



Technical specifications:

Model Parameter		2 million thermal imaging temperature measurement camera
		parameter
Resolution	256x192, pixel size 12 μm	
Lens	Focal length: 3.2mm, field of view: 56° x 42°	
Precision	±0.3°C, target temperature 35°C~38°C	
Distance	1m-4m	
Calibration	stand by	
Visible light mode parameters	Image Sensor	1/2.8" 2.0M Pixel Progressive Scan CMOS
	Illuminance	0.05Lux@F1.2 (color mode), 0.01Lux@F1.2 (black and white mode)
	Wide dynamic	≥80dB
	Signal to noise ratio	≥46dB (AGC OFF)
	focal length	4mm
	Field of view	Horizontal viewing angle 84°, vertical viewing angle 45°
AI	Face capture	Built-in deep learning AI algorithm, support simultaneous detection of 20 faces, face detection, and snapshot
	Abnormal alarm	Voice alarm for abnormal body temperature (default alarm threshold is 37.3°C)
inter face	Power connector	DC12V interface
	Network Interface	1 way 10/100BaseT Ethernet, RJ45 interface
	Alarm interface	Support switch alarm signal output, can be linked with external sound and light alarm

	Audio and video	Support 1 HDMI HD audio and video output
	Storage	Built-in EMMC storage, can store up to 100,000 temperature measurement records
General specification	Operating temperature	-10°C~35°C
	Working humidity	0%-90% RH (No condensation)
	Protection level	IP64
	power supply	12VDC
	Power consumption	≤5W (Do not turn on the fill light)
	Size	162mm*86mm*77mm
	Weight	<1kg