

## BI-SPECTRAL INFRARED TEMPERATURE FAST SCREENING INSTRUMENT

The dual-view infrared series dual-spectrum infrared temperature rapid screening camera is mainly developed based on the principle of infrared thermal radiation. It uses a non-refrigerated core and low signal-noise image processing technology. It is a non-contact, real-time, continuous and accurate Temperature measuring equipment. At the same time, a dedicated software system can be used to visually display the temperature information of the temperature measurement objects. It can be used for entry/exit health quarantine at customs, airports, stations, terminals, land ports, and epidemic prevention.

### RECOMMENDED FOR:

- + Schools,
- + Hospitals,
- + Office buildings.

### THERMAL IMAGING FUNCTIONS

- + Resolution 384 × 288, high sensitivity detector
- + Highest temperature cross cursor positioning
- + Support point, line and rectangle temperature measurement modes
- + Support temperature abnormal alarm function
- + Support automatic capture of moving face targets
- + Support wearing a mask to identify the face area to avoid false alarms from non-face high temperature objects

### VISIBLE LIGHT PHASE FUNCTIONS

- + Support automatic exposure control and automatic white balance
- + Support face temperature measurement mode, intelligently analyze face targets and measure temperature, support multiple alarm linkages
- + Dual light temperature measurement linkage, can draw regular and superimposed temperature measurement information on visible light image

# SPECIFICATIONS

## THERMAL CAMERA

<b>Sensor type</b>	Uncooled detector
<b>Max. Resolution</b>	384 × 288
<b>Response band</b>	7.5 ~ 14μm
<b>Pixel pitch</b>	17μm
<b>Optical Transmission Calibration</b>	Manual / Automatic
<b>NETD (Noise Equivalent Temperature Difference)</b>	<50mk (@ 25 ° C, F # = 1.0)
<b>Lens focal length</b>	6.5mm
<b>Aperture</b>	F1.0
<b>Field of View</b>	50.8 ° × 37.1 °
<b>Palette</b>	Hot white, black hot, iron red, etc.

## IMAGE AND VIDEO

<b>Thermal Image / Video / Visible Light Picture</b>	.jpg (including full temperature data) / Full Temperature Infrared Video / .jpg Visible Light Picture
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## VISIBLE LIGHT CAMERA PARAMETERS

<b>Sensor type</b>	5MP (2592*1944), 1 / 4 inch Progressive scanning CMOS image sensor(resolution limited to 1024*768)
<b>Focal length/Zoom</b>	2.7mm/No optical zoom
<b>Maximum aperture</b>	2.8
<b>Auto exposure control</b>	Support
<b>Automatic white balance</b>	Support
<b>Minimum illumination</b>	0.5Lux
<b>Signal to noise ratio</b>	34dB
<b>Resolution</b>	Main stream: limited to 1024x768, in order to keep coaxial with thermal imaging Secondary stream: N/A Third stream: N/A
<b>Protocol</b>	TCP / IP, UDP
<b>Compatible Access</b>	SDK

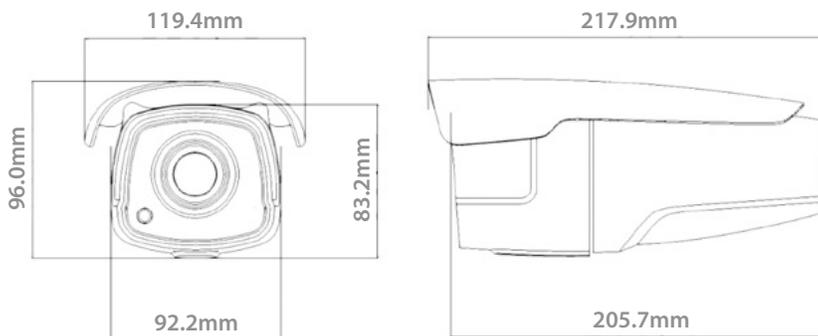
## TEMPERATURE MEASUREMENT FUNCTION

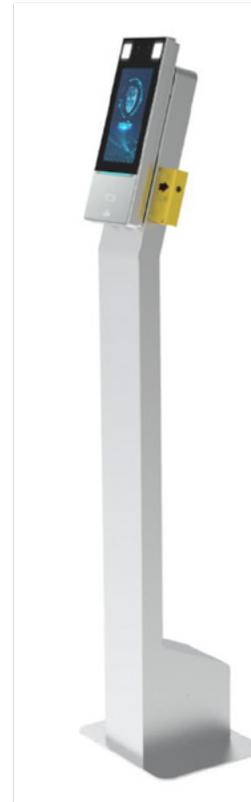
<b>Temperature measurement range</b>	+28°C~+42°C
<b>Temperature measurement accuracy</b>	≤ 0.4°C (without blackbody), ≤ 0.3 (with blackbody)
<b>Detection distance (person)</b>	Recommended temperature measurement distance is 2-2.5m
<b>Temperature measurement accuracy</b>	Under the rated working environment conditions, ± 0.4 ° C (without black body) ± 0.3 ° C (with black body)
<b>Temperature measurement area setting</b>	Support global highest temperature tracking, point, line, rectangle temperature measurement mode
<b>Over temperature alarm function</b>	Support temperature abnormal alarm function, area alarm text, alarm voice prompt
<b>Intelligent features</b>	Support automatic capture of moving face targets
<b>Face area recognition</b>	Support wearing a mask to identify the face area to avoid false alarms from non-face high temperature objects

## GENERAL SPECIFICATIONS

<b>Power input</b>	DC12V
<b>Power</b>	<5 W
<b>POE power supply</b>	N/A
<b>Size (mm)</b>	232mm x 120mm × 96mm Weight ≤1Kg
<b>Protection class</b>	IP65
<b>Working temperature and humidity</b>	+10°C ~ +30° C, <90% RH

# DIMENSIONS





## FACE RECOGNITION ACCESS CONTROL TERMINAL WITH DIGITAL DETECTION MODULE

Digital detection face recognition access control terminal is a kind of access control device with precise recognition rate, large storage capacity and fast recognition, which integrates face recognition technology and non-contact temperature detection technology. The digital detection module supports rapid body temperature detection. Thus, the product can achieve face recognition and temperature detection at the same time, and support warning people with abnormal body temperature. It can be widely applied in the crowded places, such as smart communities, schools, office buildings, hospitals and other important areas.

### PRODUCT FEATURES

- + Support non-contact detection of wrist temperature, support warning people with abnormal body temperature
- + Support body temperature detection and personnel information binding, which can quickly confirm personnel information and do body temperature detection
- + Support configure temperature detection threshold value, and personnel access authority can be configured through temperature detection threshold value
- + Non-contact wrist temperature detection module, measurement range is between 30°C to 45°C, measurement accuracy can reach 0.1°C, measurement deviation is less than or equal to 0.5°C, and measurement distance is between 1cm to 3cm
- + Deep learning algorithm model based on independent intellectual property rights, face recognition accuracy rate > 99%, false rate < 1%
- + Built-in deep learning dedicated chip, supports local offline recognition, 10,000 face capacity, face whitelist (1:N)
- + Fastest recognition time 0.2 seconds, various model merge mode are used to reduce false rate and increase pass rate
- + WDR, 2MP (1080P) low illumination wide-angle camera and F1.6 large aperture lens for capturing high quality image with various complex lighting scenes
- + Support anti-spoofing detection based on deep learning algorithm, effective against fraud such as photo and video

# SPECIFICATIONS

## THERMAL CAMERA

<b>Operation System</b>	Linux
<b>Face Recognition Accuracy Rate</b>	>99%
<b>Face Recognition Time</b>	200ms
<b>Face Capacity</b>	10,000
<b>Card Capacity</b>	100,000
<b>Storage Capacity</b>	4GB
<b>Event Capacity</b>	30,000 (with images)
<b>Measurement Range</b>	30°C - 45°C
<b>Measurement Accuracy</b>	0.1°C
<b>Measurement Deviation</b>	≤0.5°C
<b>Measurement Distance</b>	1cm-3cm
<b>Authentication Mode</b>	Face Whitelist: (1: N) Card:(1:N) Face +Body temperature
<b>Door Opening Method</b>	Face, Password, QR code, Card
<b>Communication Mode</b>	10/100Mbps adaptive network port
<b>Card Type</b>	Mifare 1 Card
<b>User Management</b>	Support user library addition, deletion, update
<b>Record Management</b>	Support local recording and real-time upload
<b>Interface</b>	LANx1, Wiegand Inputx1, Wiegand Outputx1, RS485x1, Alarm Inputx2, Alarm Outputx1, USB2.0x1, Lockx1, Door Contact x1, Exit Buttonx1
<b>Power Supply</b>	Input 12V±25% DC
<b>Screen</b>	Touch Screen, Size:7 inch, Resolution: 600x1024
<b>Camera</b>	Dual Lens, 2MP, 1080P
<b>Supplement Light</b>	LED soft light and infrared light
<b>Dimensions (LxWxH)</b>	For terminal : 134.0mmx33.0mmx305.0mm
<b>Working Environment</b>	For terminal: -20°C ~ +65°C, Relative Humidly<95% (non-condensing)
<b>Protection Level</b>	Both terminal and module: IP 54
<b>Application Situation</b>	Indoor, No wind

## PRODUCT FEATURES *CONTINUED*

- + Support face metering and human metering for fast adapting to ambient light
- + Suggested height for face recognition: between 0.8m and 2.2m, face recognition distance: 0.2m to 2.9m
- + Support screen sleep mode, keep the minimum brightness to prevent glare at night
- + Support add up to 6 photos of the base library for a single person
- + Support video capture, support ONVIF protocol
- + Support face, card, password and QR code authentication to control door open
- + Two-way audio with indoor monitor
- + Built-in 4G EMMC front end storage, stable and reliable, up to 30,000 events capacity (with images)
- + Support tamper protection, support door open timeout and time exceed alarm function to keep door opening during fire alarm active

# DIMENSIONS

