



## Temperature Detection Device

**PPW-FRTMC002**

**Product Manual V3.2**



**Shenzhen CMOLO Intelligent Technology Co., Ltd.**



## Product Description

The housing of temperature detection device PPW-FRTMC002 is made of high quality stainless steel, very durable; Equipped with temperature detection module, it can realize non-contact rapid detection of body temperature and recording and other functions.

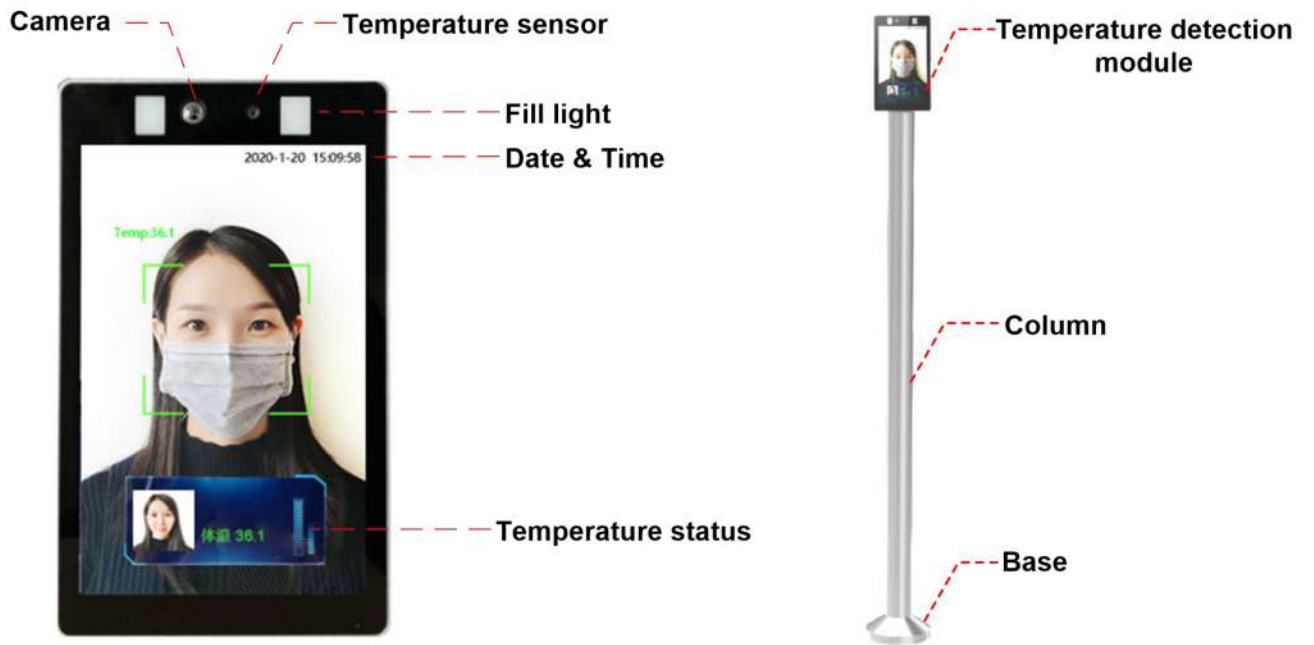
### Feature

- ✧ Integrating the functions of image collection, non-contact temperature detection, and living body judgment, etc., it can check quickly and provide early warning.
- ✧ With 2 megapixel thermal imaging temperature detection, it is an AI intelligent product integrating high precision thermal imaging temperature detection chip.
- ✧ With high accuracy of temperature detection, it can effectively improve traffic efficiency and personnel controllability, to avoid crowding.
- ✧ It can automatically record information, avoid manual operation, improve efficiency and reduce missing information, and do a good job of pre-warning, handling during the event, and tracing after the event.
- ✧ The accuracy of body surface temperature detection is  $\pm 0.3^{\circ}\text{C}$ .
- ✧ The voice alarm is issued on site after detecting abnormal temperature.
- ✧ Supporting HTTP protocol, SDK can be provided, to facilitate secondary development and system integration.
- ✧ It can be used offline, no need for pedestrians to cooperate, no need for computer control, easy to use and install, leading the similar products in the industry.

### Occasion Applications

Suitable for community access control passageway, car barrier passageway, office building, etc.

## Structure Chart



## Dimension Figure (Unit: mm)





## Product Parameters

### Environmental Parameters

Housing material	Stainless Steel 304
Surface treatment	Brushed finish
Operation temperature	-20°C ~60°C
Operation humidity	0%-90% RH (non-condensing)
Power Consumption	5W

### Temperature Scan

Screen	8" LCD
Senor	Thermal image infrared temperature sensor
Temperature Accuracy	±0.3°C(35~39°C); ±1°C(0~35°C or 39~70°C) ±2°C (other)
Voice Broadcast	Abnormal temperature alarm
Detect Distance	0.4m--0.7m

### Visible Light Parameters

Camera	Focal length 1.8mm, Field angle: 118°
Minimum Illumination	0.001Lux@F1.2 (color mode)
Dynamic Range	≥120dB
Signal to Noise Ratio	≥46dB (AGC OFF)
Exposure Type	Program mode (customizable shutter interval), shutter mode 1/5-1/20,000s), support for slow shutter
White Balance	Auto, indoor, outdoor, sodium lamp mode, manual
Digital Noise Reduction	Support DNR,3DNR
Day & Night Mode	Fixed color

### Hardware Interface

Power interface	DC12V
Web interface	1 10/100BaseT Ethernet RJ45 interface
Weigand	1 weigand interface output
Switch Interface	1 relay output
MIC	built-in
Audio Interface	2 audio output
RS485	1 half-duplex RS485 interface



Video Parameters	
Video Compression	H.265 Main Profile / H.264 High profile / M-JPEG
Max Resolution	1920x1080@30fps
Main Code Stream	1920x1080, 1280x960, 1280x720, 720x576
Deputy Stream	640x480, 352x288, 320x240, 176x144
MJPEG	1920x1080, 1280x720, close
Output Frame Rate	CBR or VBR, the range of code streams can be set: 32Kbps~10Mbps
Audio Compression	G711, PCM
Characters Overlap	Support channel name, date and time superposition, adjustable superposition position

## Product Function

- **Temperature detection function:** When pedestrian goes into the temperature detection area, the system will automatically performs high-precision infrared human body temperature detection.
- **Audible & visual alarm function:** The audible & visual alarm will be triggered when the device detects abnormal human body temperature.

## Product Customization

- Store snap photos and record test temperature and time.

### ★ Notes:

- (1) The product design and specifications are subject to change without prior notice.
- (2) Please contact us directly for special features customization.

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2/F Vazquez Madrigal Plaza, 51 Annapolist St., Greenhills 1500  
San Juan City, Metro Manila  
Email: [info@commerceasia.com.ph](mailto:info@commerceasia.com.ph)  
Telephone: +632 8726 4030  
Fax: +632 8722 1906