



SHENZHEN RISE ELECTRONIC CO., LTD.

Website: <http://www.ideacamera.com> Email: cctv@ideacamera.com

Global Sources Homepage Address: <http://www.globalsources.com/ideacamera.co>

7-inch face recognition temperature measurement.



Model:RC-TFR2MPC-P7

Product characteristics:

Thermal imaging resolution: 32*32/12um.

Angle of field FOV: 33°*33° or 90°*90° (Confirm when ordering).

Infrared Maximum Image Size: $\geq 320 \times 240$ (Within 0.5m).

Temperature measuring range: 30 °C -45 °C.

Temperature measuring accuracy: $\pm 0.5^{\circ}\text{C}$.

Temperature alarm threshold: default 35.5 °C ~ 37.5 °C (Support customization).

Passing mode when temperature over threshold: pass through or no pass.

Man's face mode: Alarm or no alarm.

Voice prompt of authentication result: support.

Face verification accuracy: $\geq 99\%$.

Face recognition distance: 0.3m-1m.

Max number of faces: 20000, JPG or JPEG format.

Max number of Event records:100000.

Camera: 2MP, Hardware Wide Dynamic.

Screen: 7-inch IPS, 600*1024

CPU: Quad core A9 32bit.

RAM: 1GB DDR3.

ROM: 8GB eMMC.

OS: Embedded Linux OS or Android (Confirm when ordering).

I/O port: 485 output, relay output; WG output is customizable.

Communication: wired or wireless network (Confirm when ordering).

Power input: DC 12V.

Work temperature: 0 °C - 50 °C (For temperature measurement), -10 °C - 50 °C (Only for Face recognition).

Work humidity: <90% RH.

work environment: indoor, no wind, no direct sunlight.



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Deployment mode: supporting offline operation, or managed by cloud platform, LAN Platform; web management; installation free.

Working mode: identity recognition mode, only temperature measurement mode, full open recognition mode.

1) Identity recognition mode: after the face + body temperature pass, the gate will automatically open and pass, and strangers will automatically warn and record; after the body temperature is judged successfully, they will enter the face recognition mode, and strangers will automatically recognize and upload, which is suitable for recognition and authentication scenarios.

2) Only temperature measurement mode: face recognition doesn't work, only measure the temperature and record the photos of the measuring personnel. Applicable to large flow scenarios.

3) Full open recognition mode: all pass through, automatically recognize face and measure the body temperature. Any person passing through the machine will be recorded face and body temperature. Can be used without platform.

Installation mode: wall hanging, floor type (triangle support), desktop type, gate brake.

Instructions for use:

1. The thermal imaging sensor is imported from abroad. Please calibrate it after 10 minutes before use. Please calibrate in time after shutdown and site replacement. Our company is not responsible for the temperature measurement results. All technical standards and test conditions are subject to the specifications.

2. Warm tips: the temperature measurement distance must meet the requirements of specifications and parameters, and be calibrated. The product shall be installed in the indoor environment. If it is installed outdoors or semi outdoors, it is recommended to add isolation channel and rainproof and sunscreen shed. Ensure that there is no object with high heat source and strong sunlight within the detection range of the probe, including but not limited to direct sunlight, metal roof, etc.

3. It is recommended to use Google browser to access the platform management system.

Technical parameters:

camera	Resolution	200W pixels
	Type	Wide dynamic binocular camera
	Aperture	F2.4
	focal length	50-150cm



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	white balance	Automatic
	Light supplement lamp	LED and infrared double fill light
Screen	size	7.0 "IPS LCD
	Resolution	600*1024
	Touch	support
processor	CPU	A9 four core GPU processor
	Memory	1G+8G
	network module	Support Ethernet and wireless (Wi-Fi)
	Audio	Support 2.5VW4R speakers
Interface	Power interface	1 way
	Wired network interface	1-way RJ45 Ethernet seat
	Card reader	Matching
	Face database support	20000
	1: n face is quite	Support
	1:1 face comparison	Support
	Stranger detection	Support



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Function	Identification & Distance Configuration	Support
	UI interface configuration	Support
	Equipment remote upgrade	Support
	device interface	Interfaces include equipment management, personnel/photo management, record inquiry, etc.
	Deployment mode	Support public cloud deployment, privatization deployment, and LAN use
Infrared thermal imaging module	Human body temperature detection	Support
	Temperature detection distance	1m (the best distance is 0.5m)
	Temperature measurement accuracy	w ± 0.5
	Temperature measuring range	10°C—37°C
	Pixel point	Omron 4 * 4
	Normal temperature release	Support
	Temperature overtemperature alarm	Support (body temperature alarm value can be set)
Packing list of general parameters	Power supply	DC12V ($\pm 10\%$)
	Working temperature	10°C—37°C



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	storage temperature	-20~60°C
	Power consumption	13.5W (Max)
	Installation method	Gate bracket installation
	Package size	410X175X110mm (mm)
	Packing weight	1.75kg