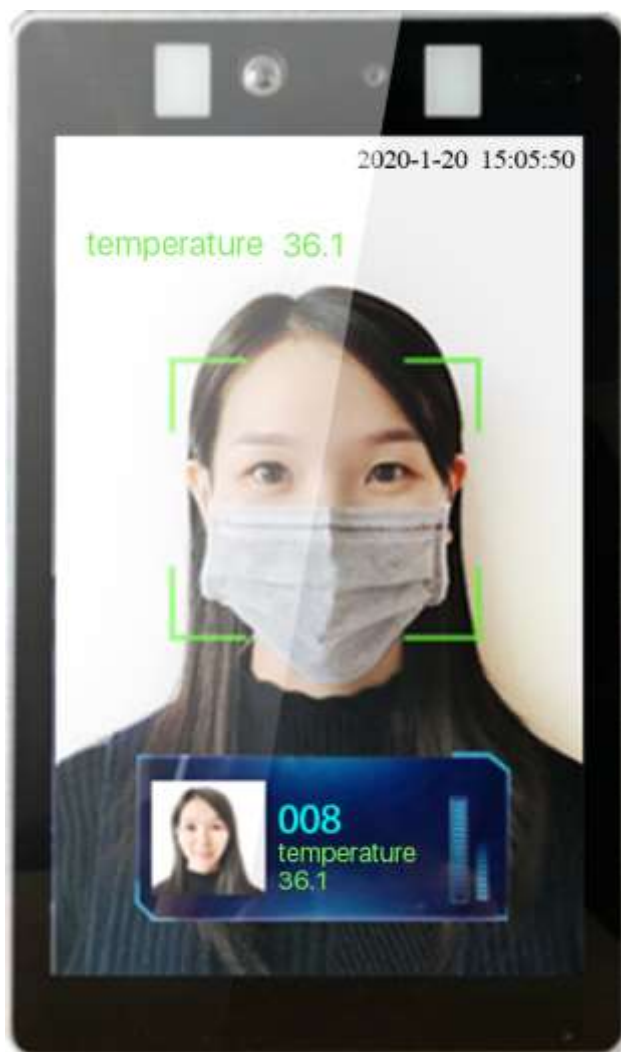# Face Recognize + Temperature Detection   8inch Smart Camera

Product Features：

1. Built-in non-contact high-precision thermal imaging module + live detection in one

2. Temperature detection range 35℃~42℃，Precision±0.3℃

3. Support human body temperature overlay、picture overlay

4. Support body temperature detection

5. Supports mask detection

6. Built-in FACE ++ deep learning face recognition algorithm，Stable and reliable

7. Support 50,000 face database

8. 300 ms fast identification

9. 8inch HD LCD display

10. Local alarm output after abnormal temperature

11. Face recognition, temperature detection, and mask recognition, Freely configure multiple usage modes

12. ultra-thin metal shell.

13. Record identification information and temperature information, save traceability

14. Excellent environmental adaptability, adapt to low light and strong backlight, support automatic face exposure

15. Support Wigan protocol, directly drive access control and control various gates

16. Rich hardware interface, integrated 100M Ethernet interface, audio interface, Wiegand interface, relay interface, TF card, USB and other interfaces

17. Support 2D, 3D digital noise reduction

18. Low power consumption, main board power consumption is as low as 5 watts

19. Support the secondary development of device-side application software

20. Support various software and hardware customize.

Product Information

Models	Description
IR-8T	2MP Face Recognize + Temperature Detection 8inch smart camera

Scope of application:

Widely used in aisles, gates, gates and other controlled entrances or areas.

Tech Specifications：

Model		2MP Face Recognize + Temperature Detection 8inch Smart Camera
		IR-8T
Display		8inch LCD
Thermal	**Sensor**	Thermal imaging infrared temperature sensor
	Temperature	Range：35~42℃， Precision：±0.3℃
	Detect distance	0.4m~0.7m
Visible parameters	**Lens**	Focal length 1.8mm，Field of View：118°
	Mini illum	0.01Lux@F1.2 color mode
	Dynamic Range	≥100dB
	S/N Ratio	≥43dB（AGC OFF）
	Exposure mode	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 and night mode	Fixed color
Image and compression	**Video compression**	H.265 Main Profile / H.264 High profile / M-JPEG
	Max resolution	1920x1080@30fps
	Resolution **Main stream**	1920x1080、1280x960、1280x720、720x576
	Substream	640x480、352x288、320x240、176x144
	MJPEG	1920x1080、1280x720、closed
	Output bit rate	（CBR or VBR), Bitstream setting range：32Kbps~10Mbps
	Audio compression	G711，PCM
	Character overlay	Support channel name, date and time overlay, adjustable overlay position;
AI	**Number of face bases**	50,000 sheets
	Recognition speed	≤300ms
	Live detection	support
	Mask detection	support
	Body temperature	support
interface	**power**	DC12V
	network	1ch10/100BaseT Ethernet RJ45 interface
	Wiegand	1ch Wiegand output interface
	Switch	1ch relay output
	SD card	Up to 128G
	MIC	Built-in
	Audio	Built-in 2ch audio output
Physical Characteristics	**Working Humidity**	10°C ~40°C
	Working Humidity	0%-90% RH
	Power Consumption	5W

	size	215x125x20mm
	weight	＜1kg