Automatic Body Temperature Scanner

Datasheet

Features

1. Built-in contactless, high-precision thermal imaging module + live detection module.
2. Temperature detection range 95 °F~107°F, Precision±0.5°F
3. Supports human body temperature overlay, picture overlay.
4. Supports body temperature detection.
5. Supports mask detection.
6. Built-in Deep Learning (Artificial Intelligence) face recognition algorithm, stable and reliable.
7. Supports 50,000 face database.
8. 300 ms fast identification.
9. 8inch HD LCD panel for display
10. Local alarm on abnormal temperature detection
11. Configurable multiple usage modes for temperature detection, face, and mask detection
12. Ultra-thin metal enclosure
13. Record, save, and trace data for identification, temperature, face mask, time of entry.
14. Excellent environmental adaptability: adapt to low light and strong backlight.
15. Supports Wiegand protocol, can directly drive access control and control security gates.
16. Multiple interfaces: integrated 100M Ethernet (RJ45), Wiegand, relay, DC12V.
17. Supports 2D, 3D digital noise reduction.
18. Low power consumption, power consumption is only 5 watts
19. Supports the secondary development of software (Integration) for analytics.

	Product name	**Automatic Body Temperature Scanner**
	Model	TSIBTF27
	Panel	8 Inch LCD screen
		Panel resolution: 1280*800
		Front face tempered glass
Temperature Sensor	**Sensor**	Omega Thermal imaging infrared temperature sensor (German)
	Temperature	Range：50±0.5°F ~ 105±0.5°F
	Detection distance	1 FT – 2 FT
	FOV field of view	<30 degree
Camera	**Lens**	focal length 1.8mm, field of View：118°
	Minimum illumination	0.01Lux@F1.2 color mode
	Dynamic range	≥100dB
	S/N Ratio	≥43dB（AGC OFF）
	Exposure mode	Program mode (customized 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	Supports DNR, 3DNR
	Day and night mode	Fixed color
Image details	**Video compression**	H.265 Main Profile / H.264 High profile / M-JPEG
	Max resolution	1920 X 1080 @30fps
	Mainstream	1920 X 1080, 1280 X 960, 1280 X 720, 720 X 576
	Substream	640 X 480, 352 X 288, 320 X 240, 176 X 144
	MJPEG	1920 X 1080, 1280 X 720, closed
	Output bit rate	(CBR or VBR), Bitstream setting range：32Kbps ~ 10Mbps
	Audio compression	G711, PCM
	Character overlay	Supports channel name, date and time overlay, adjustable overlay position
Features	**Number of faces that can be stored**	50,000
	Recognition speed	≤300ms
	Facial detection	Turned off by default, can be turned on by the administrator
	Facemask detection	Turned off by default, can be turned on by the administrator
	Temperature alarm	Supported

Device modes	**1. Temperature mode**	Detect temperature and display on screen, alarm for abnormal temperature (default mode)
	Application	Temperature monitoring at offices, warehouses, and schools.
	2. Temperature and facemask mode	Detects temperature & face mask (turned off by default)
	Application	Shopping malls, restaurants, elevators, public transportation
	3. Temperature, mask and facial detection mode	Detects temperature, mask and faces (turned off by default)
	Application	Schools, offices, universities, airports
Operating System	**Operating system**	Linux
	Remote control	Support via RJ45 cable
	RAM	DDR 8 GB flash
	ROM	16GB
	Power	DC12V - 1
Input and Output	**Network**	10/100BaseT Ethernet RJ45 interface - 1
	Wiegand	Wiegand output interface - 1 (for security gate integration)
	Switch	Relay output - 1
	MIC	Built-in
	Audio	Built-in 2 channel audio output
Operating conditions	**Working Temperature**	50°F ~ 105°F
	Working Humidity	0% - 90% RH
	Power Consumption	5W
Package details	**Head only**	15.4 X 7.7 X 5.1 IN, 4.4 lb
	Desktop base	17.3 X 16.5 X 8.3 IN, 12.1 lb
	Floor stand pole	45.3 X 6.3 X 5.1 IN, 13.2Lb
	Floor stand base	15 X 12.2 X 1.9 IN, 17.6 lb
	Certification	CE, FCC, Rohs
	Battery Power	Optional
	Hand Sanitizer Disposer	Optional
	Pedestal with LED lamp	Yes (for freestanding floor model)

Kiosk

Desktop

Kiosk with sanitizer dispenser

Wall mounted