



Temperature Detection & Facial Recognition

Temperature Detection & Facial Recognition Terminal

The Zotera Temperature Detection & Facial Recognition Terminal has been designed to quickly scan individuals to detect an abnormally high temperature and to trigger an alarm when a forehead temperature above 37.3 degrees centigrade is detected. The system is equipped with an Infrared camera and a built-in body temperature detection module, which can determine a person's temperature within 300ms at greater than 99.97% accuracy.

The camera can also authenticate an individual with facial recognition software if an existing photo database exists.

The Zotera Temperature Detection & Facial Recognition Terminal is a stand-alone system with no requirement for a network connection for operation. The camera may be connected to a network for the purpose of programming the various features or management of images taken by the camera.

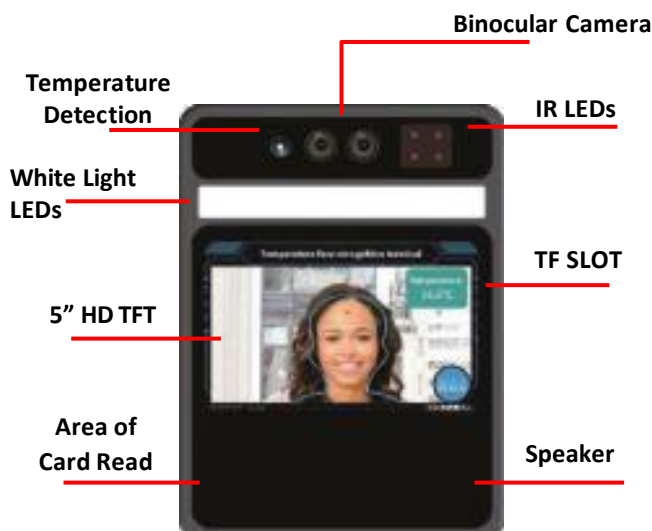
The system is ideal for:

- railway stations, subway stations, airports, hospitals, factories, mines, shopping malls, supermarkets, hotels, schools, stadiums and other public places.
- Pop-up sites, small clinics, treatment centers, and offices



5" TFT

- Embedded Linux OS
- Facial Detection & Recognition
- 10, 000 Face Database
- WiFi Wireless Transmission
- ID / IC Card Reader
- Alarm Output



- Thermometry range 32°C-42°C
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7" TFT

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Device Management Tools

Real-time HD Image Preview Identity information, scene snapshot / identification.

Display of temperature information (warning of temperature exceeding)

A single device can store up to 10,000 records. Records include a personnel's past records, temperature information, identity information, temperature abnormality, personnel quick retrieval, and summary export report.



IVMS Management Platform

Integrated video management platform, video preview, playback, alarm management, electronic map, decoding wall and other functions,

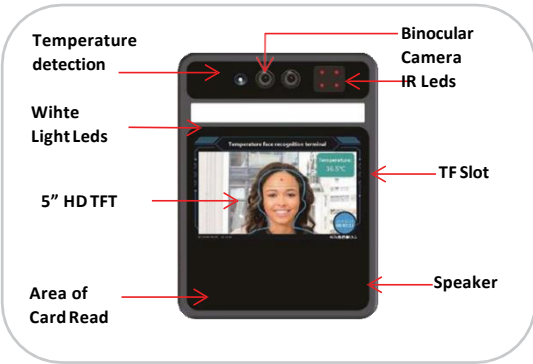
The system supports personnel management, information retrieval, attendance, visitor management, temperature management, early warning, and other relevant functions.





Facial Recognition and Body Temperature Camera

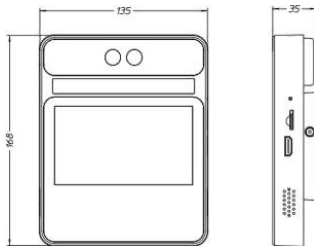
2MP Binocular Facial Recognition & Thermodetector Terminal



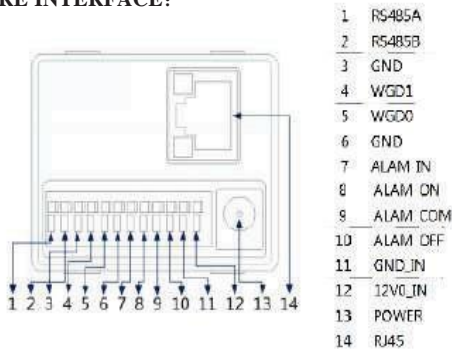
FEATURES:

- Integration of face capture, comparison function, infrared temperature measurement function
- Temperature anomaly alarm: non-contact body surface temperature detection within one second, detection distance 0.3-0.5 meters, temperature error range $\pm 0.4^{\circ}\text{C}$, abnormal temperature linkage acousto-optic alarm and access control equipment
- Support living face detection, effective prevention of photos and video spoofing
- Face database can reach 10,000pcs, flexible face template import, support single, batch image file import and real-time capture import
- Provide query after login, set integrated parameters, view real-time monitoring and face comparison image
- Support face types of ordinary people, whitelist people, blacklist people, etc.
- Support recognize result linkage I/O, wigan port output, voice broadcast
- Can be widely used in access control channels, wall-mounting attendance and other scenarios.

DIMENSION:



WIRE INTERFACE:



Param	Model	ZOT-5M_7MFTD
Screen		
Size		5 inch, full-angle IPS LCD screen
Resolution		1280x800
CAMERA		
Type		Design of double camera
Sensor		1/2.8" SONY starlight CMOS
Resolution		1080P@30fps
Lens		3.6mm*2
White balance		Auto
Face exposure		Support
Mirror		/
Image settings		Exposure, gain, contrast, saturation and brightness adjustable
ACCESSORIES		
Complementary light		IR light, LED white light
Identity module		Support ID card recognize module optional
Loudspeaker		Support voice broadcast after successful recognition
Network module		Built-in wifi Module
Video		
Video compression		H.265/H.264
Encoding features		main stream: 1920x1080@30fps, sub-stream: D1@30fps
Max. Resolution		1920x1080
Video bit rate		Constant bit rate, variable bit rate (16kbps~8000kbps)
Video type		Complex stream/ Video stream
FUNCTION		
Network protocol		IPv4, TCP/IP, NTP, FTP, HTTP
Access protocol		ONVIF, RTSP
Safe mode		Authorized user name and password
Face recognition		Support
Event linkage		Capture TF card storage, FTP upload, alarm output linkage, wiegand output linkage, voice broadcast
Remote upgrade		Support
Others		/
FACE RECOGNITION		
Detection type		Support living face detection, effective prevention of print photos, phone photos and video spoofing
Face detection number		0.3-1.3m, support detection target size filter adjustment
Recognition face size		Pupils distance ≥ 60 pixels; Face pixel ≥ 150 pixels
Face database capacity		Support built-in ≤ 10000 faces; support black/white list
Posture		Support side face filter, comparable within 20 degrees in vertical and 30 degrees in horizontal
Shelter		Recognizable with ordinary glasses and short bangs hair
Expression		Recognizable with slight expression
Capture/comparison rate		Capture rate $\geq 98\%$ (meet the above conditions); Recognition rate $\geq 95\%$
Response speed		$\leq 1s$
Face / card recognition		Support 1:1 / 1:N mode
Local storage		Support storage of more than 100,000 capture and recognition records
Recognition area		Full image recognition, support zone optional setting
Upload mode		FTP, HTTP upload, SDK function calling upload
TEMPERATURE DETECTION		
Sensor interface		IIC interface
Scope of detection		$32^{\circ}\text{C} \sim 45^{\circ}\text{C}$
Error range		$\pm 0.3^{\circ}\text{C}$
Voice broadcast		Support face recognition broadcast and temperature detection alarm
Detection distance		0.3-0.5M
INTERFACE		
Network interface		RJ45 10M/100M network adaptive
Alarm input		1CH
Alarm output		2CH
RS485		Support
TF card		Max. support 128G local-storage
USB		1CH
Wiegand interface		Support wiegand 26,34,66 protocol
Reset		Support
Tamper switch		Support
GENERAL		
Operating temperature		$-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$
Operating humidity		0% - 90%
Power supply		DC12V
Power consumption (max)		$\leq 12W$
Dimensions(mm)		399mm(H)*138mm(W)
Install type		X86 box