

TxA-TF7F

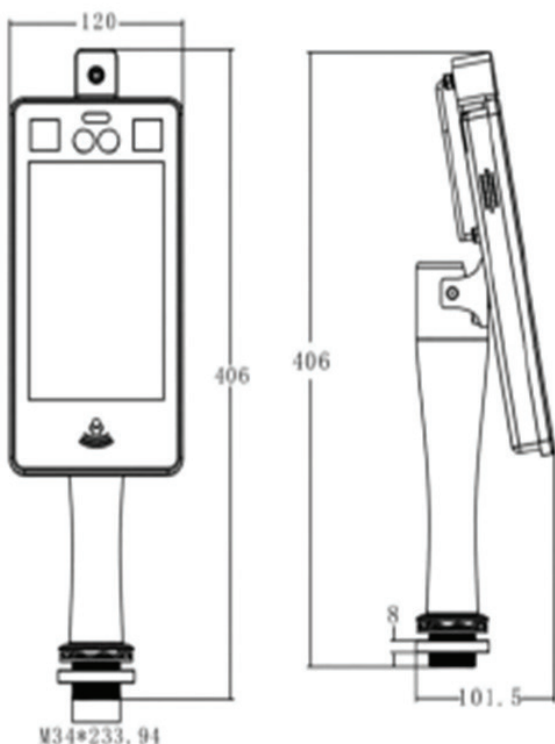
Thermal Detection Face Recognition Terminal



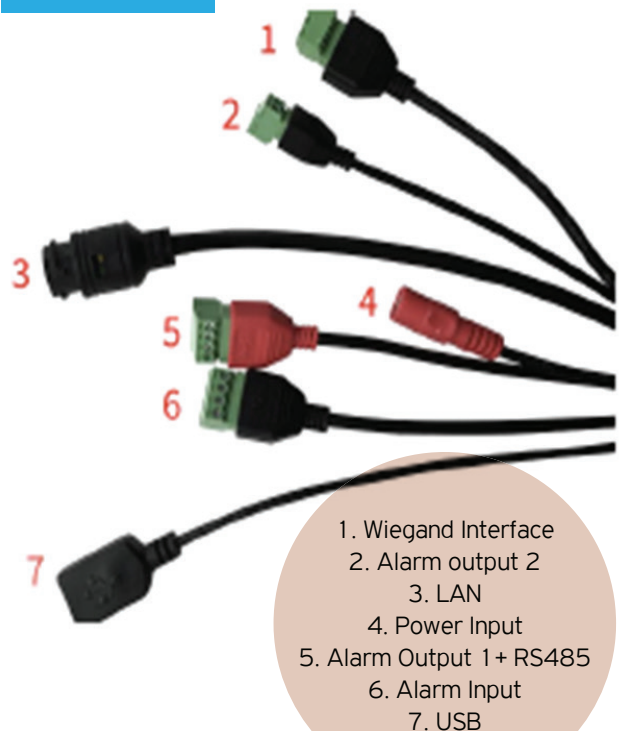
Features

- Embedded Linux Operation System
- Support realtime stream output to other devices, can realize face snapshot, face recognition, IR temperature testing function
- Abnormal temperature alarm: distance temperature testing within 1 second. Testing Distance: 25-40cm; Temperature deviation range $\pm 0.5^{\circ}\text{C}$, abnormal temperature linkage to external voice and light alarm
- Industrial grade design, overhead angle, left/right can be adjustable
- Support biometric human body detection, can effectively avoid printing pictures, photos and video fraud
- Support safety helmet and mask detection
- Deep learning algorithm, face library: 10000pcs
- Easy to import face template, support single picture, batch photo, and realtime snapshot import
- Support normal people, whitelist and blacklist faces type
- Support recognition result linkage output, voice broadcast
- Can be used in access control, attendance

Dimension



Interface



1. Wiegand Interface
2. Alarm output 2
3. LAN
4. Power Input
5. Alarm Output 1 + RS485
6. Alarm Input
7. USB

SPECIFICATIONS

SPEC	MODEL
SCREEN	
Size	7inch ISP Screen
Resolution	800*1280
CAMERA	
Type	Dual camera design
Sensor	1/2.8" SONY CMOS
Resolution	Mainstream: 1080P@30fps; Substream: D1@30fps
Lens	6mm*2
White Balance	Automatic
WDR	Support
Facial Exposure	Support
Mirror	/
Picture Setup	Exposure, gain, contrast, saturation, brightness can be set
Thermal Detection	
Detect	FACE
Temperature Range	30-45°C
DetectDistance	25-40cm
Measurement Accuracy	+0.5°C
Response Speed	≤1s
Facial Detection	
Detect Type	Support Biometric Detection. Can effectively avoid printing pictures, photos and video fraud
Face Recognition Distance	0.5-2m, Support detect target filter adjustment
Face Size Recognition	Face pixel ≥ 150 pixels
Face Library Capacity	Support built-in ≤ 10000 faces; support blacklist and whitelist alarm
Posture	Overlook within 25°, horizontal within 60° can capture faces; Overlook within 20°, horizontal within 30° can recognize faces; Support side faces filter
Shelter	Normal glass or short bangs has no influence on recognition
Expression	Slight expression have no influence on recognition
Safety Helmet	Safety Helmet can be detected
Facial Capture/Recognize Rate	Facial capture rate ≥ 98%; Facial recognize rate ≥ 95% (follow above requirement)
Response Speed	≤ 1ns
Face Exposure	Support
Local Storage	Support storage 100,000 recognition records
Recognize Area	Full screen recognition, support area setup
Upload Method	TCP, FTP, HTTP, SDK, API upload
Network Function	
Network Protocol	IPv4, TCP/IP, NTP, FTP, HTTP
Interface Protocol	ONVIF, RTSP
Preview Video Quantity (Sametime)	1
Safety Mode	Authorized username and password
Event Linkage	TF Card Storage, FTP upload, alarm output linkage, wiegand output linkage, voice broadcast
System Upgrade	Support Remote Upgrade
Others	/
Accessories	
Light	IR Light, LED White Light
Recognition Module	Support built-in IC Card Reader Module (Optional Function) Support built-in ID Card Reader Module (Optional Function)
Speaker	Support voice broadcast after successfully recognize
Network Module	Support built-in WIFI/4G module (Optional)
Interface	
Network Interface	RJ45 10M/100M Self-adaptive
Alarm Input	2ch input
Alarm Output	2ch output
RS485 Interface	Support
TF Slot	Support max 128G local storage
USB	1ch
Wiegand	Support Wiegand 26, 34, 66 protocol
Reset	Support
SIM Card Slot	Support
Others	
Working Temperature	-20°C ~ 60°C
Working Humidity	0%-90%
Waterproof Grade	IP66
Power	DC 12V
Consumption	≤ 12W
Size (mm)	120mm(W)*406mm(H)
Installation Method	X86 box embedded installation/Desktop Installation/Floor Stand Installation