

8 inch temperature measuring face recognition access control

Model

ZOJE-FA1008

Application

Pedestrian gate (temperature measurement), Intelligent Gate Guard(Temperature Detection) (temperature measurement), The Ministry of Public Security verifies on the integration of people and credentials (temperature measurement), etc.

Features

- Bi-camera and support moving object detection
- Support moving face tracking and exposure in strong backlighting environment
- Unique facial recognition algorithm to identify face accurately, recognition time <0.5s
- Built-in high performance CPU
- Stable Linux OS
- Cameras encoded by H.265 Main Profile, and via ONVIF and GB28181 protocol, video streams directly link NVR,etc.
- Support TF card, pictures stored continuously for 1 year and videos stored continuously for 1 month or longer(-varying from TF card capacity)
- MTBF > 50000h
- Supports medium distance temperature measurement and high temperature alarm
- Support temperature data interface protocol docking
- Max 24,000 face capacity and 160,000 event records
- Support many interface protocols, and support SDK and HTTP protocols under Linux / Windows and other Platforms such as TCP/IP、UDP、RTP、RTSP、RTCP、HTTP、DNS、DDNS、DHCP、SMTP、UPNP、MQTT .
- Many hardware interface (I/O、WG26、WG34、RJ45、USB、RS485)



- 8-inch multi-touch LCD screen without smear or delay
- Automatic gain and white balance naturally restored the true colors of the image
- Built-in black light sensor for video surveillance, low-light recognition is more accurate
- 3D noise reduction and fog-through technology make the monitoring picture in low light more clear and delicate
- Support code stream and I frame interval setting
- Partial shielding of video area is supported
- Support ROI encoding
- Auto white balance, manual white balance
- Supports maximum exposure time setting
- Support mobile phone monitoring settings
- Support 2D noise reduction, 3D noise reduction
- Support video recording time period and upload mode setting
- Support video brightness, contrast, hue, saturation, gamma adjustment
- Support setting the maximum auto exposure time
- Supports smart face exposure and smart face enhancement settings

Specification

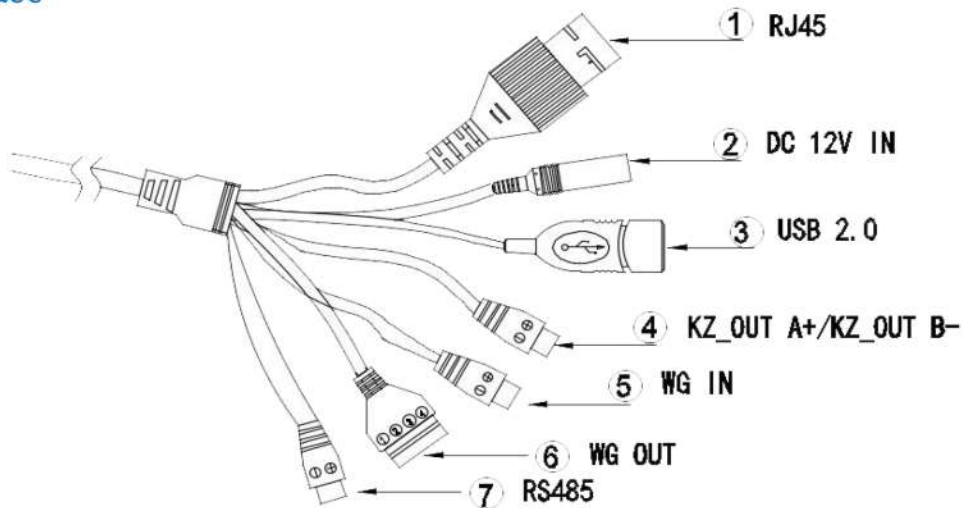
Hardware	
The processor	Dual-core processor + 1G memory + 16G EMMC
Operating system	Embedded Linux operating system
Storage	Support TF card storage
Perspective	Vertical:30° ;Horizontal:30°
Imaging device	1/2.8" Progressive Scan CMOS
Len	6mm
4G module	Optional
Wifi module	Optional
Bluetooth module	Optional

Speaker	Standard configuration, voice playback content can be customized
Temperature measurement performance	
Temperature measurement environment	16°C-40°C, No wind in the room (see note for details)
Temperature measurement lens	Original lens from Europe
Sensor type	Medical-grade sensors from European
Measurement accuracy	$\pm 0.3^{\circ}\text{C}$
Temperature resolution	0.1°C
Temperature measurement distance	$\leq 30\text{cm}$
Reaction time	300ms
Performance	
Recognition height	1.2~2.2 m, adjustable angle
Recognition distance	0.3~1.5 m, adjustable lens
Recognition time	< 0.5 s
Storage	16 event records
Face capacity	24000
Screen brightness	$\geq 400\text{cd}/\text{m}^2$
interface	
Digital output	1 channel digital output, other GPIO channel can be customized
Network interface	1 pcs RJ45 10M / 100M adaptive Ethernet port, gigabit ethernet port can be customized

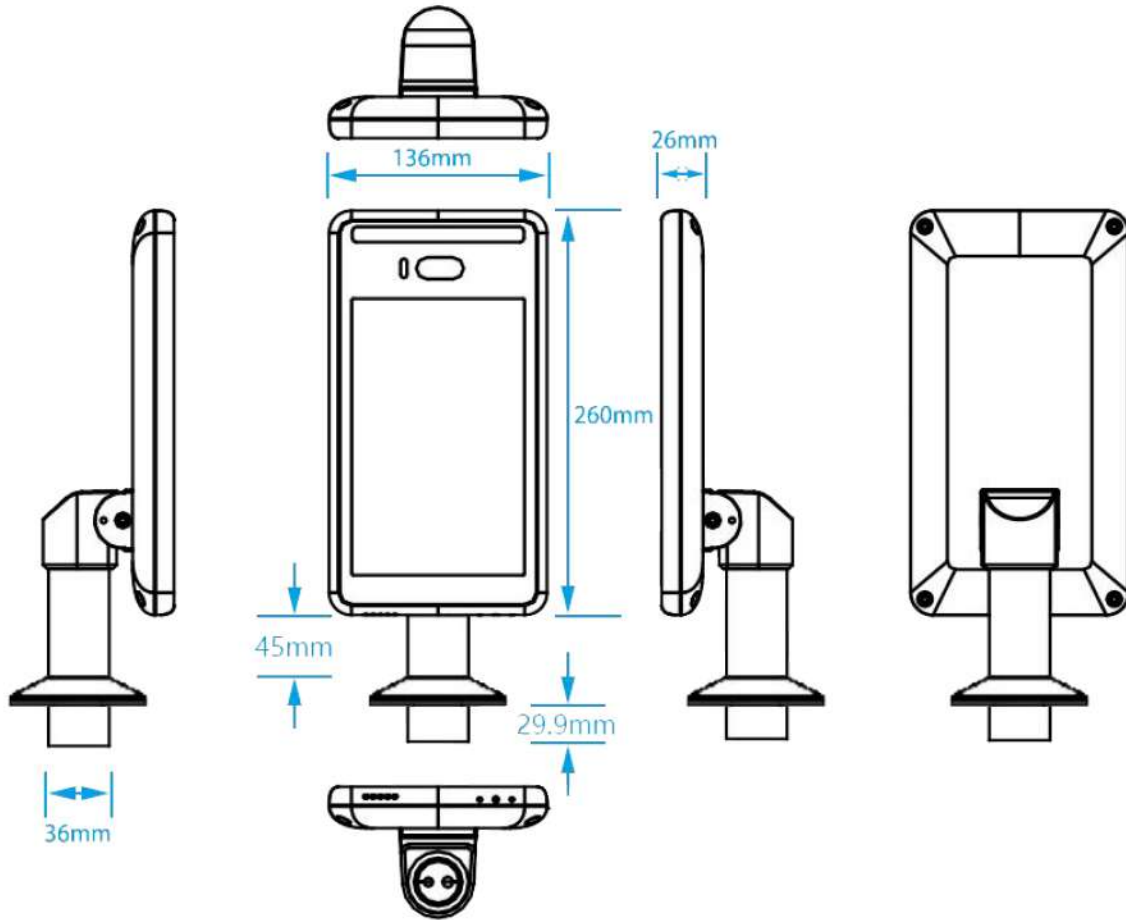
Wiegand interface	1 channel Wiegand interface input and output	
USB interface	1 channel USB interface is device	
Communication interface	1 channel RS485 interface	
Camera parameters		
Camera	Bi-camera, visible and infrared, support moving object detection	
Pixels	2100 thousand pixels, 1920*1080	
Minimum illumination	color 0.01Lux @F1.2 (ICR); without color 0.001Lux @F1.2 (ICR)	
Noise rate	≥50db (AGC OFF)	
Dynamic Width	120db, isp Algorithmic facial partial exposure	
Video code	H.265 Main Profile code/H.264 BP/MP/HP code/MJPEG code	
Image resolution	Main stream	50Hz: 25fps (1920×1080, 1280×720)
		60Hz: 30fps (1920×1080, 1280×720)
	Second stream	720*576, 1-25(30) f/s/640*480, 1-25(30) f/s 320*240, 1-25(30) f/s
Function		
Website configuration	support	
Remote update	support	
Deployment	Support public network and local area network	
General parameters		
Working humidity	0~90%relative humidity, non-condensing	
Salt fog level	> Rp6 level	
Antistatic	Contact ±6KV, air ±8KV	
Voltage	DC12V/2A	

Power	20W (MAX)
Size	260(length) * 136(width) *26(thickness)mm
Screen specifications	8 inch IPS High Resolution Screen
Column Aperture	36mm
Weight	1.7 kg

Interface



NO.	Name	Quantity	Remark
1	Network	1	RJ45
2	Power	1	DC12V IN
3	USB	1	USB 2.0
4	Switch output	1	Switch outpute A+/B-
5	Wiegand protocol input interface	1	① vcc12V ② GND ③ D0 ④ D1
6	Wiegand protocol output interface	1	① D0 ② D1
7	RS485	1	① 485- ③ 485+



Notes

1. The temperature measurement equipment should be used in a room that is not ventilated and the room temperature is between 16 °C -40 °C;
2. People entering the room from a cold winter environment will affect the temperature measurement accuracy;
3. Start the test after the sensor temperature and the ambient temperature are balanced for 10 minutes.
4. Ensure that there is no heating source and air conditioning vents within 3 meters of the equipment;
5. The forehead temperature test needs to be performed indoors without covering the forehead for three minutes and the temperature is stable;
6. Expected maximum head temperature change due to exposure to certain factors, such as sprays, hair dryers, sprays, etc .;
7. When the forehead has oil, makeup, oxygen mask, or the elderly have wrinkles, the reading temperature will be lower than the actual temperature;
8. The temperature read is the temperature where the projection is located. Make sure there is no hair or clothing covering the area.

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