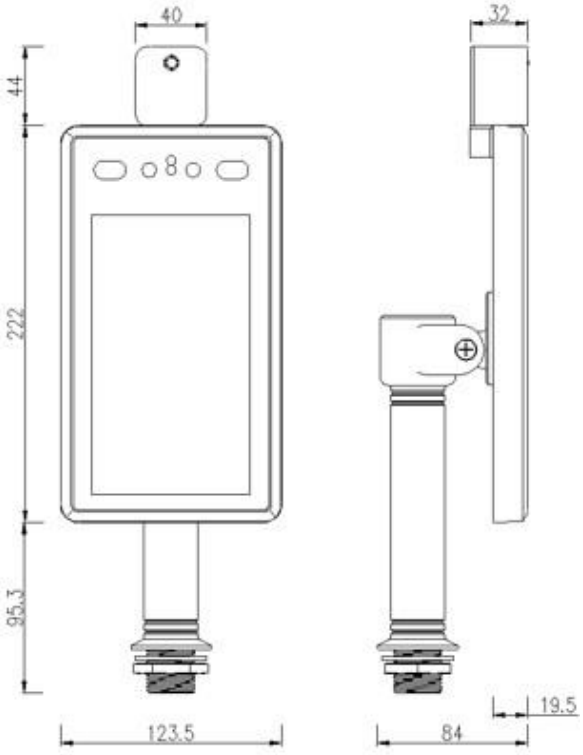
AI Access Control Camera

(Face Recognition/ Body temperature detection)



Features:

- Non-contact automatic body temperature detection, brush human face and perform high-precision infrared human temperature acquisition at the same time, fast and high effect
- Temperature measurement range 30-45 degrees C Accuracy ± 0.5 degrees C
- Automatically identify unmasked personnel and provide real-time warning
- Support mid-range temperature measurement and real-time warning of high temperature
- Support temperature data SDK and HTTP protocol docking
- Automatically register and record information, avoid manual operation, improve efficiency and reduce missing information
- Support binocular live detection
- Unique face recognition algorithm to accurately recognize faces, face recognition time <500ms

- Support human motion tracking exposure in strong backlightenvironment, support machine vision optical wide dynamic ≥80dB
- Adopt Linux operating system for better system stability
- Rich interface protocols, support SDK and HTTP protocols undermultiple platforms such as Windows / Linux
- 7-inch IPS HD display
- IP34 rated dust and water resistant
- MTBF> 50000 H
- Support 22400 face comparison library and 100,000 face recognition records
- Support one Wiegand input or Wiegand output
- Supports fog through, 3D noise reduction, strong light suppression, electronic image stabilization, and has multiple white balance modes, suitable for various fields

Scene demand

- Support electronic voice broadcast (normal human body temperatureor super high alarm, face recognition verification results)

Specification:

Hardware	
Chipset	Hi3516DV300
System	Linux operation system
RAM	16G EMMC
Image sensor	1/2.7" CMOS
Lens	4.5mm
Camera Parameters	
Camera	Binocular camera supports live detection
Effective pixel	2Mega pixel，1920*1080
Min. lux	Color 0.01Lux @F1.2(ICR);B/W 0.001Lux @F1.2
SNR	≥50db(AGC OFF)
WDR	≥80db
Face Recognition	

Height	1.2-2.2 M, angle adjustable
Distance	0.5-3 Meters
View angle	Vertical ±30 degree
Reco. Time	＜500ms
Function	Support 22400 faces database and 100000 records
Temperature	
Range	30-45（C ）
Accuracy	±0.5（C ）
Best Distance	0.4m
Response time	＜300ms
Interface	
Internet interface	RJ45 10M/100M Ethernet
Weigand port	Support input/output 26 and 34
Alarm output	1channel relay output
USB port	1USB port (Can be connected to ID identifier)
General	
Power input	DC 12V/3A
Power consumption	20W(MAX)
Working temperature	10 C ～ +50 degree C
Humidity	5～90%, no condense
Dimension	123.5(W) * 45.5(H) *266(L)mm
Weight	1.9 kg
Column Aperture	27mm

Precautions:

- The temperature measuring device should be used in a room with a room temperature between 10 C -40 C . Do not install the temperature measuring device under the vent, and ensure that there is no heating source within 3 meters;

- Personnel entering the room from a cold outdoor environment will affect the temperature measurement accuracy. The forehead temperature test should be performed after the forehead is unobstructed for three minutes and the temperature is stable;

- The temperature read by the temperature measuring device is the temperature in the forehead area. When there is water, sweat, oil or thick makeup on the forehead or the elderly have more wrinkles, the read temperature will be lower than the actual temperature. Make sure there isno hair or clothing covering this area.

Interface specification：