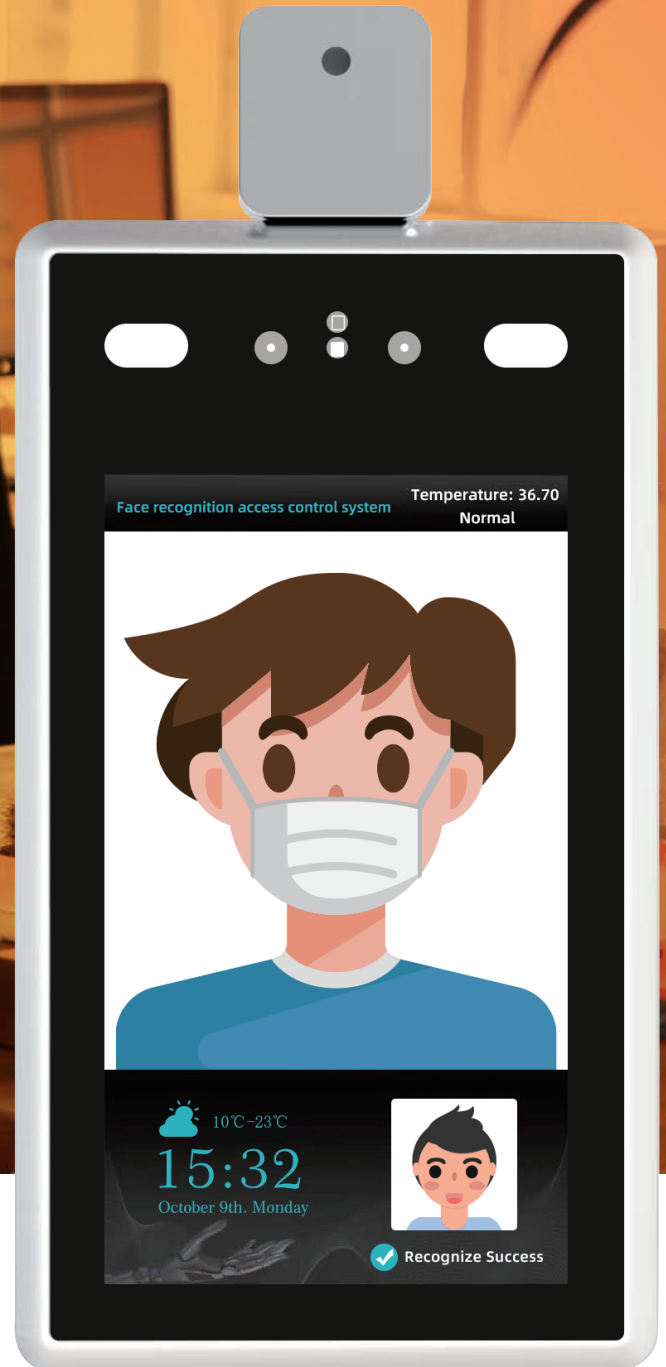




# THM42

## FACE RECOGNITION & TEMPERATURE MEASUREMENT PANEL



## Technical features

- **Top infrared imaging technology:**  
Non-contact rapid temperature measurement with accuracy of  $\pm 0.3$  °C
- **Leading mask recognition algorithm:**  
Self-developed deep learning mask algorithm with high recognition accuracy
- **Real-time face recognition:**  
22400+ face comparison database, Binocular live detection, accurate, millisecond-level face detection and comparison
- **Flexible deployment:**  
Multiple options such as independent offline, LAN or cloud deployment

## Key features



Face recognition



Temperature measuring



Mask wear identification



Access control



Work Attendance



Platform docking

# Specifications

Model	THM42
<b>Hardware</b>	
CPU	Hi3516DV300
System	Linux
Screen	7-inch IPS HD display
Storage	16G EMMC
Sensor	1/2.7" CMOS
Lens	4.5mm
<b>Face Recognition</b>	
Height	1.2-2.2 M, angle adjustable
Recognition Distance	0.5~2 M
View Angle	Vertical $\pm 40$ degree
Recognition Time	< 500ms
Function	Support 22400+ face comparison library and 100,000 face recognition records
<b>Temperature</b>	
Range	30-45(°C)
Accuracy	$\pm 0.3$ (°C)
Distance	0.3-0.8M
Response time	< 300ms
<b>Interface</b>	
Alarm Output	1 channel relay output
Power	DC 12V, 3A
Network Interface	RJ45 10M/100M Ethernet port
Wiegand Interface	Support input/output 26 and 34
USB Interface	1USB port (Can be connected to ID identifier)
<b>Camera</b>	
Camera	Binocular camera supports live detection
Resolution	1920*1080, 2MP
Minimum illumination	Color 0.01Lux @ F1.2 (ICR); B / W 0.001Lux @ F1.2 (ICR)
Signal to Noise Ratio	$\geq 50$ db(AGC OFF)
Wide Dynamic Range	$\geq 80$ db
<b>Other</b>	
Working Temperature	0°C~+50°C
Working Humidity	5~90%, non-condensing
Rate of Work	20W(MAX)
Dimension	123.5(W) * 84(H) * 361.3(L)mm
Weight	2.1KG
Column aperture	33mm

## Reliable and Flexible