

MERCURY WA42 FACE RECOGNITION & TEMPERATURE MEASUREMENT PANEL



Technical features

- **Top infrared imaging technology:**
Non-contact rapid temperature measurement with accuracy of $\pm 0.3^{\circ}\text{C}$
- **Leading mask recognition algorithm:**
Self-developed deep learning mask algorithm with high recognition accuracy
- **Real-time face recognition:**
50000+ 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

Model	WA42
Hardware	
CPU	Hi3516DV300
System	Linux
Screen	7-inch IPS HD display
Storage	16G EMMC
Sensor	1/2.7" CMOS
Lens	4.5mm
Face Recognition	
Height	1.2-2.2 M, angle adjustable
Recognition Distance	0.5~2 M
View Angle	Vertical ± 40 degree
Recognition Time	< 500ms
Function	Support 22400+ face comparison library and 100,000 face recognition records
Temperature	
Range	30-45(°C)
Accuracy	± 0.3 (°C)
Distance	0.3-0.8M
Response time	< 300ms
Interface	
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)
Camera	
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	≥ 50 db(AGC OFF)
Wide Dynamic Range	≥ 80 db
Other	
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