

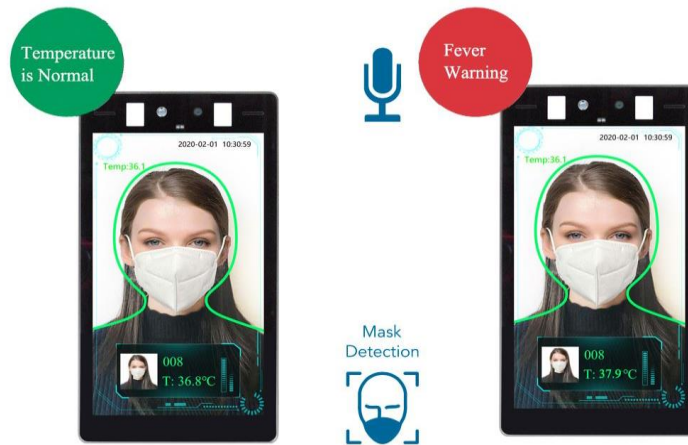
Body Temperature Measurement with Face Recognition Intelligent Panel



SPECIFICATIONS

- Human Body Temperature detection
 - Temp accuracy ± 0.25 degC
 - Temp range 25 degC to 45degC
- Facial recognition
 - No Mask Detection
 - False face detection
- User Interface Configuration
- Remote device Upgrade
- Screen size: 8-inch IPS LCD screen
 - Resolution: 800*1028
- Dual Cameras
- 1.8GHZ Quad Core CPU + 2GB RAM + 8GB EMMC
- Power supply: DC12V ($\pm 10\%$)
- Interface: Audio, COM, RJ45, HDMI, LAN
- IP42 rated
- Language Support
 - English,
 - Italian,
 - Spain,
 - Chinese
 - More languages are available with MOQ 100pcs
- Wall Mounted or Turnstile Mounted

The series products of 2 million pixel temperature measurement face recognition intelligent panel machine using LCD display screen, they are the AI intelligent door access control products with the combination of embedding the algorithm of in-dept learning face recognition, integrating the high-precision thermal imaging temperature measurement chip as well as ISP image processing and other technologies. The series products are equipped with powerful functions such as face detection, mask detection, face recognition comparison, body temperature detection and living body judgment. They are able to accurately capture the person information (such as facial information, identity information, whether to wear a mask, etc.) which has passed through the camera's field of view, and the body surface temperature. It is able to effectively help the users to manage access authority and monitor body temperature status, which is helpful to prevent the epidemic. Users can manage access rights offline by loading the face library to the device, as well as matching with attendance software to achieve employee attendance management. The products can be widely applied in scenes such as community access, barrier gate and passage, office building and so on!



Model	AX-20A	
Screen	Size	8-inch IPS LCD screen
	Brightness	350 LU
	Resolution	800*1028
Camera	Resolution	200W*200W
	Quantity	2
	Type	RGB camera
	Aperture	F2.0
	Focal length	6mm
	WDR	Support
	White balance	Automatic
	Core parameters	CPU
RAM		2G
EMMC		8G
Interface	Audio, COM, RJ45, HDMI, LAN	
People temperature detection	Human temperature detection	Support
	Temperature detection distance	≤1m
	Temperature measurement accuracy	≤ ± 0.5 °C
	Temperature measurement range	25 °C ~ 45 °C
	Thermal Field of View	32 X 32 °C
	Visitors will be released in normal temperature	
	Body temperature alarm value can be set	
	Body temperature over temperature alarm	
General parameters	Protection class	IP42, certain dust and water resistance
	power supply	DC12V (± 10%)
	Operating temperature	-10 °C ~ 60 °C (optional thermostat)
	Working humidity	10% to 90%
	Power consumption	10W MAX
	Equipment size	240 * 120 * 24 (mm)
	Weight	≈1.3kg

INSTALLATION LOCATION

- The camera shall be set in front of the channel of entrance to capture the face.
- It is suggested that the height is about 1.4~1.6 meters, and the top view angle of the camera is 0~5 degrees;
- In order to ensure the effect of temperature detection, it is better to keep the equipment 0.4m away from the personnel collection point (with the range of 0.3~0.5m), and the face pixels are not less than 100 pixels;
- Requirements for illumination: no backlight, no obvious reflection on the face, uniform light and no shadow. In addition, in order to ensure that the scene lighting is sufficient during face capturing, it is suggested that if the face in the lens image is not bright enough, lighting equipment should be added accordingly to supplement the light on the face of the personnel (generally up to 250-800 Lux).
- Requirements for light and wind: it is recommended that the equipment be installed indoors to ensure that there is no wind or direct sunlight between the equipment and personnel, and to avoid the phenomenon of too low or too high temperature measurement caused by blowing heat and direct sunlight.



Software screenshots:

Access control software_V1.1.16.M Device Online

Capturing interval(s):	3	Face recognition association relay:	Relation	Overlay time:	No stack
Snap picture quality parameters(0-1):	0.70	Normal TEMP threshold:	37.30	Temperature mode:	Centigrade
Blur parameter(0-1):	0.30	Black and white list comparison switch:	Open	Refresh Save	
Living-body threshold(0-1):	0.20	Face recognition voice broadcast:	Broadcasting		
Face recognition (0-100):	70.00	TEMP detection switch:	Open		
Identified Times (1-10):	3	TEMP related relay:	Relation		
Recognition distance threshold:	1m	Temperature detection voice broadcast:	oadcast exception or		
Face exposure threshold (0-100):	50	Mask detection switch:	Open		
Software version:	1	Mask detection mode:	Epidemic mode		
TEMP compensation coefficient:	0.00	Mask associated relay:	Unrelated		
Switch delay time:	2	Mask detection voice broadcast:	oadcast exception or		

Access control software_V1.1.16.M Device Online

Datetime: 2020/04/18 00:00 - 2020/04/18 23:59 Export visitor records

ID	Name	Time	Temperature	Wear a mask	Snap
	visitor	2020-04-18 17:33:31	36.8°C	No	
	visitor	2020-04-18 17:33:20	36.0°C	No	
	visitor	2020-04-18 17:33:19	36.0°C	No	

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