

## 10-inch binocular face recognition STD-5MD102L1-BC



### Product description:

#### core advantages

- Embedded Linux operating system, safe and stable operation;
- Quad-core A55@1.5GHz high-performance CPU, powerful configuration and extreme experience;
- Using ultra-low power processor and low power processing technology, the equipment runs with low power consumption and less heating;
- Independent NPU, supporting up to 2Tops computing power, and embedded with industrial leading deep learning face recognition algorithm;
- 0.08S ultra-fast face recognition, high-precision face recognition;
- Intelligent ISP algorithm, super wide dynamic, fearless strong light, backlight and low light, adapt to various complex light scenes;
- The largest face recognition mode, support face selection, face enhancement and face exposure, and improve image quality;
- Support the recognition remote control of 0.3~2M, effectively preventing the misrecognition of persons who are far away;
- Binocular live detection function, effectively solving the problem of deceiving photos, videos and other methods;
- Standard configuration of 30,000 face database, 30,000 card library, 150,000 record storage, and support for batch import and export of data;
- Support face recognition, IC card, ID card, NFC and human card to open the door, and support the customization and expansion of verification methods;
- Support mask detection, face recognition when wearing a mask;
- Support visitor setting, access control time management, permission group setting, door opening delay setting, log query;
- Seamlessly connect to various cloud platforms such as WeChat and Ruishiyun to realize all-round intelligent access control and attendance management;
- Support access control status acquisition, door overtime and unclosed alarm, blacklist alarm, etc.;
- Support custom recognition voice broadcast, personalized screen saver settings, image advertising carousel functions;
- Industrial-grade design, IP67 protection level, normal under high temperature and severe cold, adapt to temperature difference range of -30°C~70°C, suitable for indoor and outdoor all-weather scenes;

#### Basic skills

- Use 2 million pixels, high-definition F2.2 aperture security-grade industrial lens, which are anti-backlight;
- 10-inch IPS full screen, resolution 800\*1280, outdoor high-brightness screen above 450cd/m2;

- Support the screen to automatically sleep, automatically sense human body, quickly turn on the fill light;
- Support offline operation, no need to network, equipment equipped with 100M network port;
- Metal structure body, unique double glass structure, strong hardness and no deformation, good light transmission and no light leakage, presenting excellent video effects;
- Open cloud, LAN access protocol and SDK, rich multimedia and AI API;
- Optional wall mounting/gate installation methods;

### Order model:

Model	Description
STD-5MD102L1-BC	Wall-mounted type

### Application occasions:

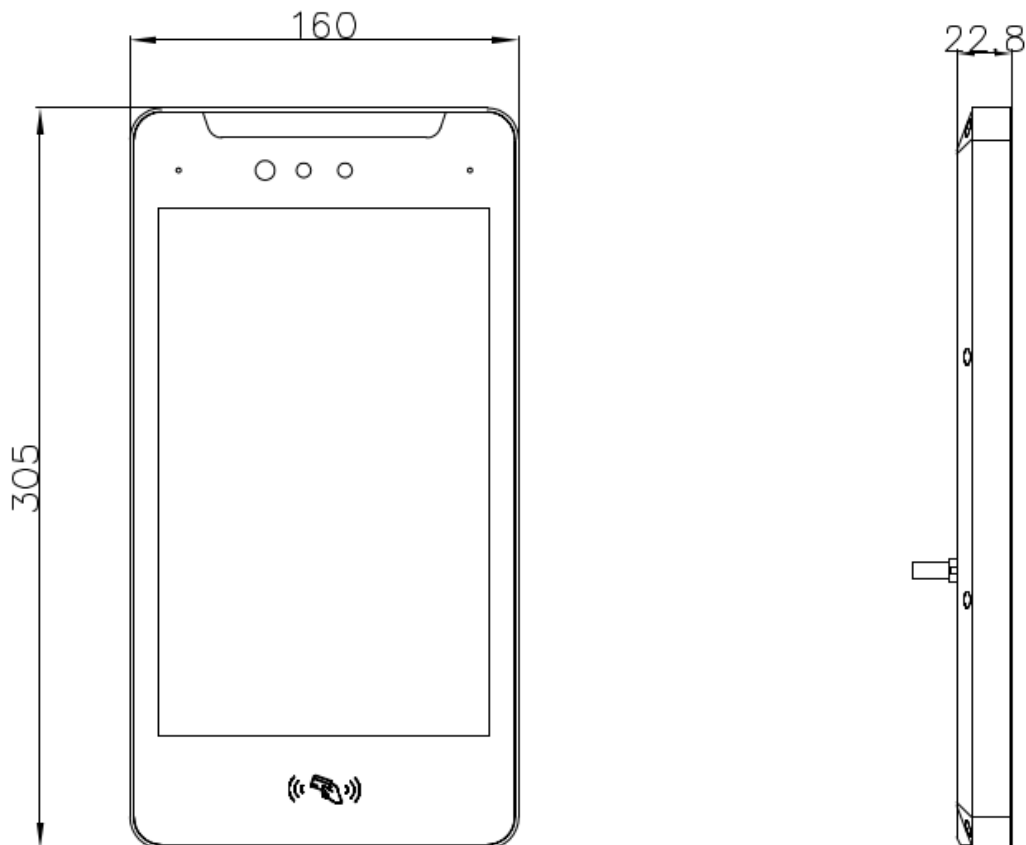
It is suitable for office areas, hotels, access gates, office buildings, banks, hospitals, schools, shopping malls, shops, communities, public services and management projects, etc., where there is a demand for face access control and attendance and barrier access.

### Product parameters:

<b>Basic data</b>	Product name	10-inch binocular face recognition
	Equipment model	STD-5MD102L1-BC
	Operating system	Embedded Linux system
	Processor	Quad-core A55@1.5GHZ high-performance CPU
<b>Display screen</b>	Size	10.1-inch IPS full screen
	Brightness	450cd/m2
	Resolution	800*1280
<b>Camera</b>	Resolution	200W pixels (1920×1080)
	Sensor	1/2.7 inch low illumination CMOS sensor
	Camera	HD fixed focus 4mm & aperture F2.2
	White balance	Automatic, low color temperature, high color temperature, manual
	Wide dynamic	Digital wide dynamic and true wide dynamic
	Fill light	RGB (natural light) and infrared light
<b>Smart functions</b>	Detection angle	Vertical viewing angle: 90 degrees, horizontal viewing angle: 53 degrees
	Face detection	Maximum face detection, Mask detection
	Storage	Suitable 30,000 face base library, 30,000 card library, 150,000 records
	Accurate recognition	1: N recognition speed ≤0.2S/person, recognition accuracy ≥99.97%
	Recognition distance	0.3m-2.0m adjustable
	Live detection	Support
	Identifying door opening mode	Support swiping face, swipe card, (IC card, NFC card, ID card physical card), face & swipe card
	Parameter settings	Visitor management, permission group, access control period, black and white list, identification parameters, image settings, information display, etc.
	Alarm management	Blacklist alarms, door overtime unclosed alarms

	Operating mode	Support online and offline work
<b>Interface</b>	Communication method	Wired
	Network interface	1 10/100M network adaptive, RJ45 interface
	Doorlock interface	Door opening signal, door sensor status, switch button
	Signal interface	1 RS232
	Reset interface	Support
	Wigan signal	1 R Wiegand (D0, D1, GND) support Wiegand 26, 34
	Alarm interface	1 alarm output
	Audio interface	Built-in speaker
	Antenna interface	Support
	Platform agreement	Active registration, SDK, WebSocket, HTTP
<b>General parameters</b>	Power supply	Voltage: DC12V $\pm$ 20%, rated power consumption $\leq$ 20W
	Working environment	Temperature: - 30 $^{\circ}$ C ~ 70 $^{\circ}$ C humidity: 10 ~ 90% RH
	Protection level	IP67 protection level, anti-static: contact $\pm$ 6KV, air $\pm$ 8KV
	Installation method	Standard wall-mounted installation, optional gate-type installation
	Size (mm)	305(L)*160(W)*22.8(H) mm (Not included bracket)
	Weight	About 1.5kg

**Product size (unit: mm):**



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## Product rendering



Left view

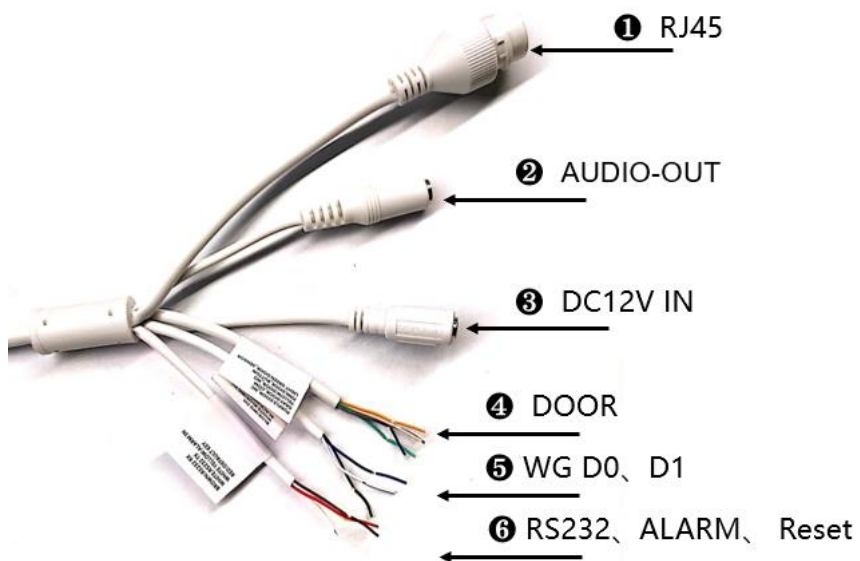


Front view



Right view

## Interface definition:



No.	Interface name	Signal definition	Specification and color
1	Network interface	RJ45	
2	Audio interface	Audio output 3.5mm interface	
3	Power connector	DC12V IN	Specification Ø5.5mm
4	Doorlock interface	Normally-open interface DOOR_NC	Purple
		Signal ground DOOR_COM	Grey
		Normally-closed interface DOOR_NO	Yellow
		Door open button DOOR_KEY	Pink
		Door sensor status DOOR_BACK	Green
5	Wiegand interface	Wiegand DO	Blue
		Wiegand D1	White/Blue
		Ground GND	Black
6	RS232 interface	RS232 RX	Brown
		RS232 TX	White
	Alarm interface	Alarm input ALARM IN	White/Yellow
	Reset interface	Reset interface DEFAULT_KEY	Red