

## STD-5MK052L1-BW Face recognition terminal



### Product description:

- Embedded Linux operating system, safe and stable operation;
- Quad-core A55@1.5GHz high-performance CPU, powerful configuration and extreme experience;
- Independent NPU, supporting up to 2Tops computing power, and embedded with industrial leading deep learning face recognition algorithm;
- Fastest 0.08S extremely fast face recognition, high-precision face recognition;
- Support the largest face recognition mode, support face selection, face enhancement and face exposure, and improve image quality;
- Support the recognition remote control of 0.3~1M, effectively preventing the misrecognition of persons who are far away;
- 2 million binocular cameras, supporting 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 Ruiying enterprise cloud office platform, visitor, attendance, and access control mobile phone cloud management;
- Support personnel, equipment, authority group management, and batch registration;
- Support multiple verification methods such as face, under-screen card swiping (IC card, NFC card, ID card physical card), face & swipe card, etc.;
- Support face recognition when wearing a mask, and send reminder of not wearing a mask;
- Support wired, WIFI, Bluetooth, 4G (optional) communication methods, simple wiring;
- Support online and offline working modes;
- Support custom uploading screensaver display, thus creating exclusive advertisements for enterprises;
- Provide comprehensive secondary development technical support;
- Wall-mounted/gate-mounted installation method, exquisite and small appearance, simple and practical function;

### Order model:

Model	Description
STD-5MK052L1-BW	Wall-mounted

## Application occasions:

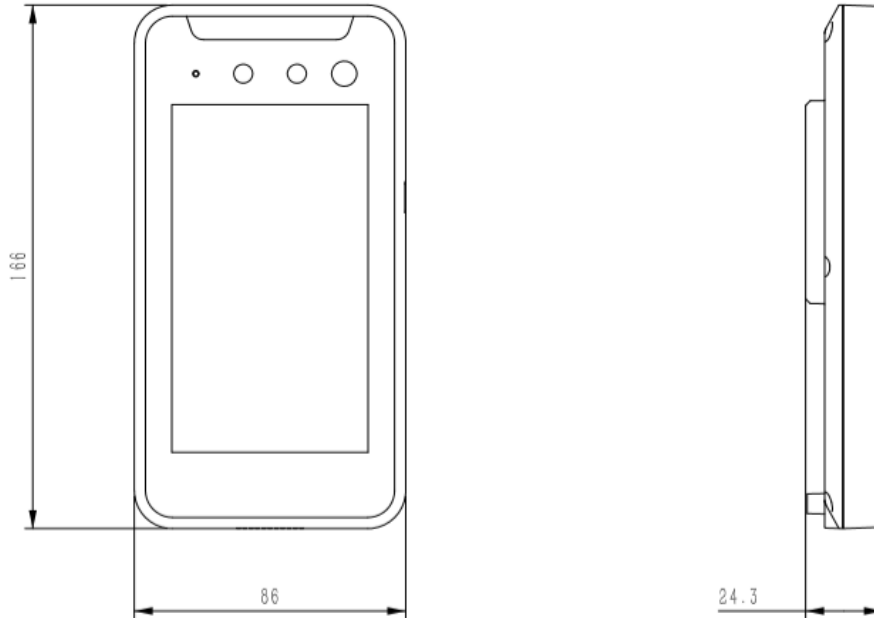
Used in enterprises, supermarket chains, hotels, apartments and other markets that require access control for face-checking attendance

## Product parameters:

<b>Basic data</b>	Product name	Face recognition terminal
	Product model	STD-5MK052L1-BW
	Operating system	Embedded Linux system
	Processor	Quad-core A55@1.5GHZ high-performance CPU
<b>Display screen</b>	Size	5-inch IPS full screen
	Resolution	720*1280
<b>Camera</b>	Resolution	200W pixels (1920×1080)
	Camera	HD fixed focus 4mm
	Wide dynamic	Digital wide dynamic
	Fill light	Natural light and infrared light
<b>Smart functions</b>	Face detection	Maximum face detection
	Storage	10,000 face base library, 30,000 card library, 150,000 records
	Recognition mode	Face, under-screen swipe card (NFC card, IC card, ID card physical card), face + swipe card
	Accurate recognition	1: N recognition speed $\leq 0.2S$ /person, recognition accuracy $\geq 99.97\%$
	Recognition distance	0.3-1.5M
	Live detection	Binocular live detection
	Parameter settings	Black and white list, identification parameters, image settings, information display
	Alarm management	Blacklist alarms, door overtime unclosed alarms, and anti-dismantling alarms
	Cloud platform	Ruiying Enterprise Cloud Office Platform, Smart Access Control and Attendance
	Screen saver	Customized screensaver display, personalized ads
	Operating mode	Support online and offline work
<b>Rich interface</b>	Communication method	Support wired, WIFI, Bluetooth, optional 4G communication
	Network interface	1 10/100M network adaptive, RJ45 interface
	Doorlock interface	Door opening signal, door sensor status, switch button
	Communication interface	1 RS232 serial port RX, TX
	Wiegand interface	3 (D0, D1, GND) support Wiegand 26, 34
	USB interface	1 circuit min USB (touch version supports this function)
	Reset interface	Supported
	Alarm interface	1 alarm output
	Tamper switch	Supported
	Audio interface	Built-in speaker, voice broadcast
	Platform agreement	Active registration, SDK, WebSocket, HTTP reverse
<b>General parameters</b>	Equipment power	DC12V/1.5A
	Working environment	Indoor environment and temperature: -20°C~55°C Humidity: 10~




		90%RH
	Protection level	Anti-static, Anti-surge
	Installation method	Standard wall-mounted installation, optional gate-type installation, support 86 boxes
	Equipment size	166(L)*86(W)*24.3(H) mm (Not included bracket)
	Weight	About 0.5kg

**Product size (unit mm):**



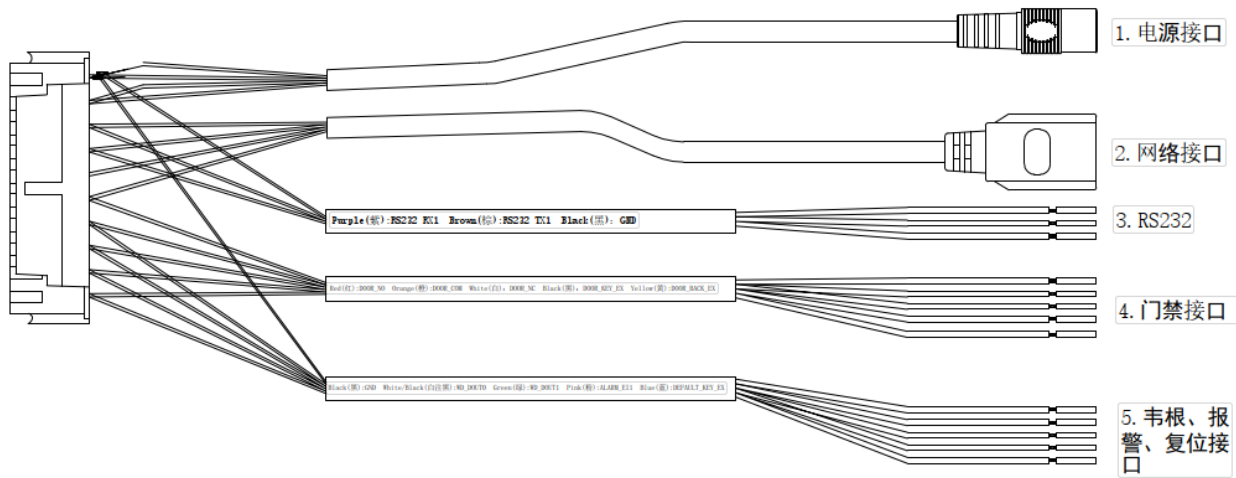
**Renderings:**

Front view	Rear view	Side view

Wall mounting diagram (standard wall mount bracket)	86 box installation (wall bracket required)	Installation drawing of gate (requiring additional gate bracket)
		

**Interface definition:**

**Patch cable**



No.	Interface name	Signal definition	Specification and color
1	Network interface	10/100M adaptive	RJ45
2	Power connector	DC12V power supply	Specification Ø5.5mm
3	RS232 interface	RS232 RX	Purple
		RS232 TX	Brown
		Power ground GND	Black

4	<b>Access control interface</b>	Normally-closed interface DOOR_NO	Red
		Signal ground DOOR_COM	Orange
		Normally-open interface DOOR_NC	White
		Door open button DOOR_KEY	Black
		Door sensor status DOOR_BACK	Yellow
5	<b>Wiegand interface</b>	Power ground GND	Black
		Wiegand WD_DOUT0	White/Black
		Wiegand WD_DOUT1	Green
	<b>Alarm interface</b>	Alarm input ALARM IN	Pink
	<b>Reset interface</b>	Reset interface DEFAULT_KEY	Blue