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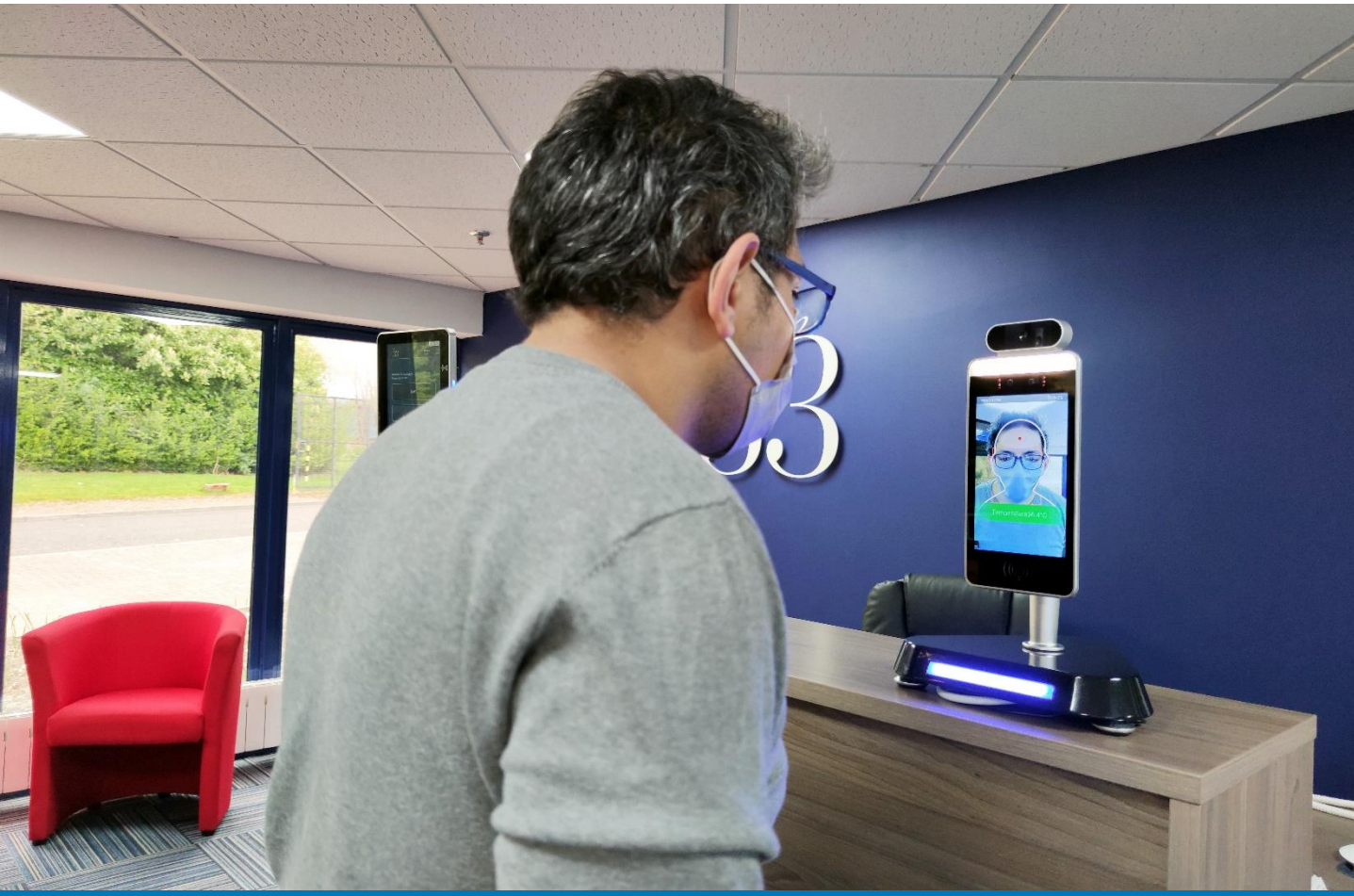

Temperature Measurement Kiosks with Facial Recognition

Industry-leading, automated personnel check-in kiosk.

Non-contact kiosks automatically read body temperature in seconds, with optional facial recognition. These kiosks are invaluable to help prevent virus spread and maintain a healthy environment for your employees, associates, visitors and the general public.

Vet staff members and the public before entry to public and private premises such as office buildings, manufacturing plants, healthcare settings, supermarkets, factories, transport hubs, schools, and hotels.

- ✓ Non-contact, fully automated kiosk
- ✓ Detects temperature of user standing in front of device
- ✓ Reads temperature in ~ 1 second
- ✓ Set your own acceptable temperature thresholds
- ✓ Integrate with gates, turnstiles and door access
- ✓ Verbal warning/success message plus LED traffic light system
- ✓ Optional facial recognition to allow entry for vetted individuals and store regular readings

Durable, commercial-grade hardware

- ✓ 8-inch IPS full-view LCD display
- ✓ Commercial-grade, waterproof and dust-proof design which is stable and durable
- ✓ Built-in speakers provide verbal alerts including warnings for abnormal temperatures, and optional message for requesting that individuals wear a mask if they are not wearing one
- ✓ Supports various peripheral expansions such as ID card reader, fingerprint reader, IC card reader, two-dimensional code reader etc.

Accurate body temperature detection

- ✓ The kiosks support human body temperature detection and temperature display, with a marginal measurement error of ±0.2 °C (0.3 Meter) from close range, and ±0.5 °C from further away
- ✓ A distance of 0.5 meters is recommended for most accurate readings, with 1 meter being the longest distance at which temperature can be read
- ✓ It only takes a few seconds for detection and an alarm will sound automatically when temperature abnormality is detected - at a threshold set by you

Smart facial recognition

- ✓ Industrial-grade binocular wide dynamic camera, night infrared and LED dual photo flood lamp
- ✓ Face recognition pass speed is ~ 1 second
- ✓ Database capacity for 30,000 faces
- ✓ Supports recognition and comparison of faces with surgical masks on
- ✓ The 1: 1 comparison recognition rate is more than 99.7%, the 1: N comparison recognition rate is more than 96.7% at a 0.1% misrecognition rate, and the live detection accuracy rate is 98.3% at a 1% mis rejection rate

Specifications

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Model	Temperature Pass Management Module & Face Recognition Kiosk LD-AITemp-Device	
Camera	Resolution	2 million pixels
	Type	Binocular wide dynamic camera
	Aperture	F2.4
	Focusing distance	50-150cm
	White balance	Auto
	Photo flood light	LED and IR dual photo flood light
Screen	Size	8.0 inch IPS LCD screen
	Resolution	800×1280
	Touch	Not supported (optional)
Processor	CPU	RK3288 quad-core (optional RK3399 six-core, MSM8953 eight-core)
	Storage	EMMC 8G
Interface	Network module	Ethernet and wireless (WIFI)
	Audio	2.5W / 4R speakers
	USB	1 USB OTG, 1 USB HOST standard A port
	Serial communication	1 RS232 serial port
	Relay output	1 door open signal output
	Wiegand	One Wiegand 26/34 output, one Wiegand 26/34 input
	Upgrade button	Support Uboot upgrade button
	Wired network	1 RJ45 Ethernet socket
Function	Credit card reader	None (optional IC card reader, ID card, ID card)
	Face Detection	Supports detection and tracking of multiple people at the same time
	Face library	Up to 30,000
	1: N face recognition	Support
	1: 1 face comparison	Support
	Stranger detection	Support
	Identify distance configuration	Support
	UI interface configuration	Support
	Upgrade remotely	Support
	Interface	Interfaces include device management, personnel / photo management, record query, etc.

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	Deployment method	Support public cloud deployment, privatized deployment, LAN use, stand-alone use
	Alert feature (coming soon)	Email notifications upon readings.
Infrared Thermal Imaging Module	Temperature detection	Support
	Temperature detection distance	1 meter (optimal distance 0.5 meter)
	Temperature error rate	≤ ±0.5℃, +_ 0.9 F
	Temperature measurement range	10℃~42℃
	Thermal field of view	32 X 32 Degrees
	Visitor's temperature is normal and released directly	Support
	Abnormal temperature Support (temperature alarm value can be set) alarm	Support (temperature alarm value can be set)
General Parameters	Power	DC12V（±10%）
	Operating temperature	0℃~60℃
	Storage temperature	-20℃~60℃
	Power consumption	13.5W（Max）
	Installation method	Screwed by wall mount bracket
	Size	Standard：274.24*128*21.48（mm） IC card / ID card：296.18*132.88*25（mm）
	Packing list	Machine * 1, power adapter * 1, manual * 1

Networked Deployment

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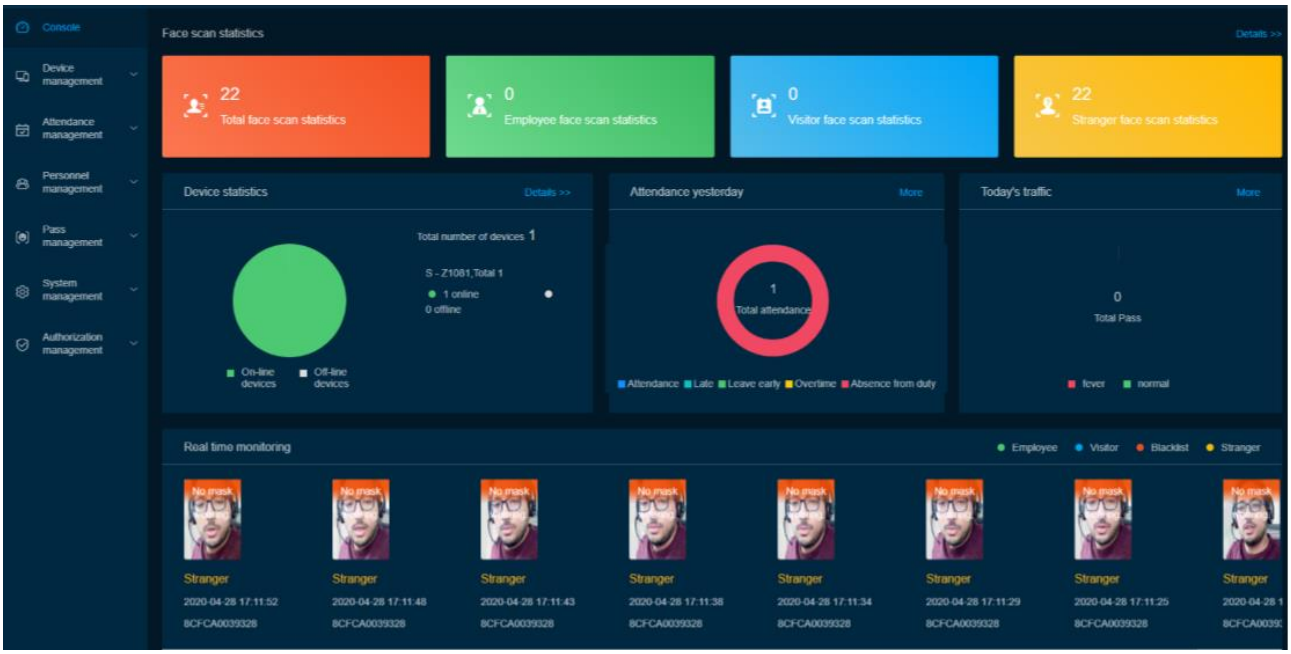
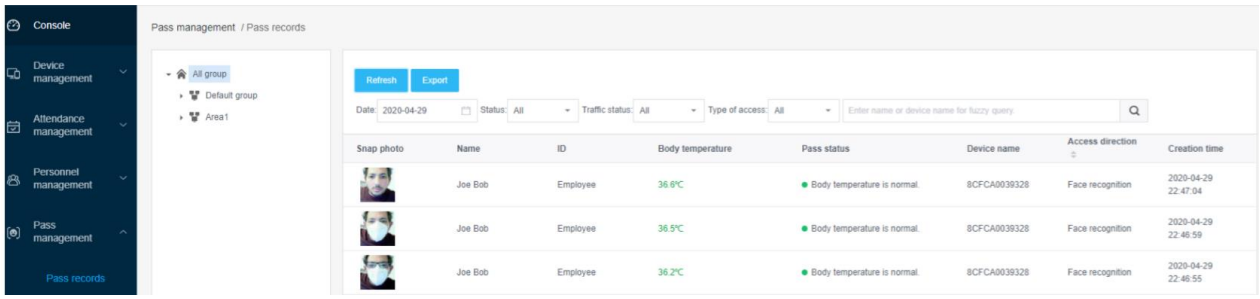
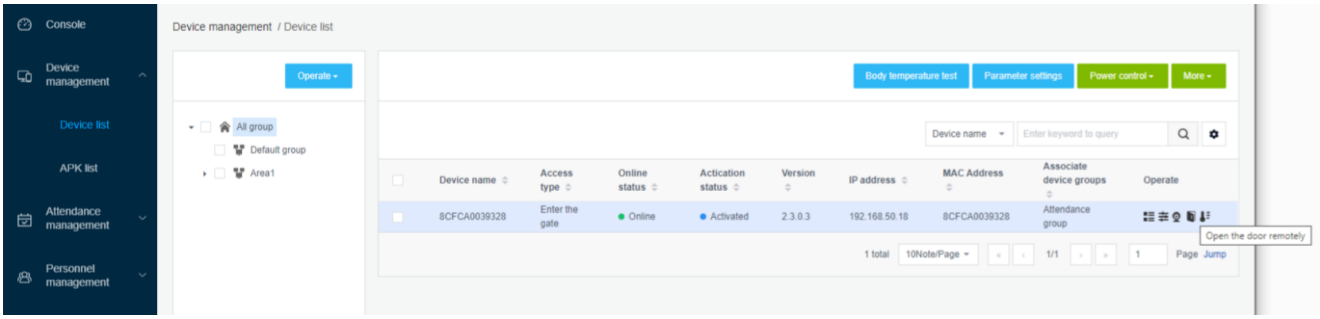
Monitor all users and incoming activities from a central backend on your network. You can pull reports based on areas and monitor, configure and control your devices from a central PC.







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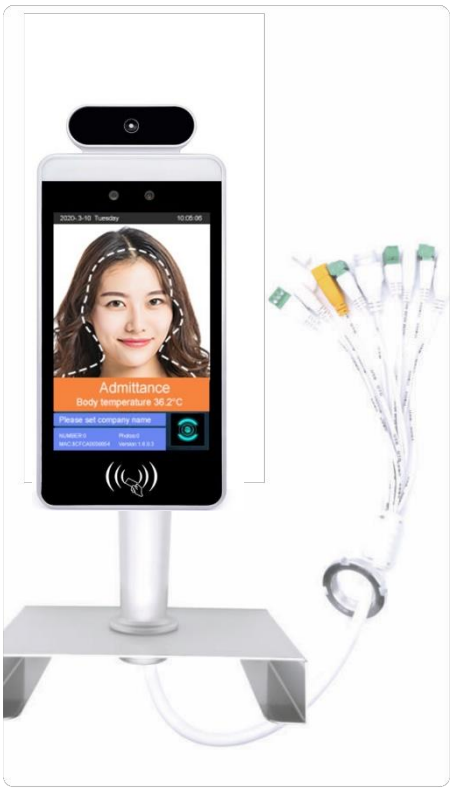
Surface/Desk Mount

You may choose to mount the device onto an existing surface, select a desk stand or a freestanding floor stand.



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Turnstile Integration

Integrate the device with turnstile access using our dry relay connection, to allow access to visitors or staff that pass the acceptable temperature threshold.

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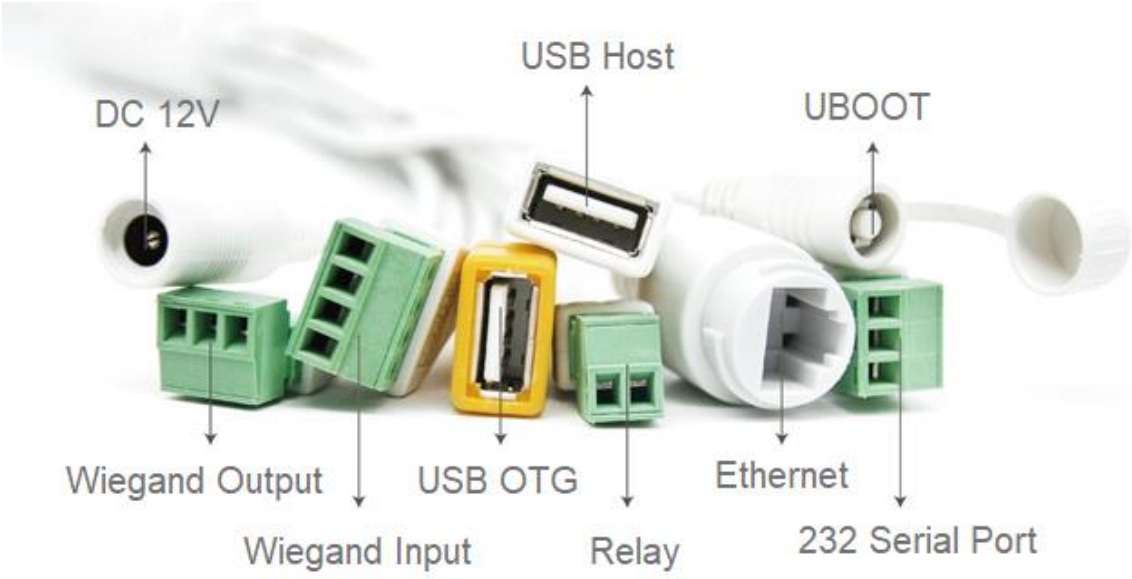
Wall Mount

Fixing method:

1. Fix the wall mount bracket to the wall installation position specified by the device with screws.
2. Fix the upper slot of the module device on the mainframe hook of the wall-mounting bracket, and fix the hole under the device with a combination screw below.

*Wall mount is available for bulk orders only.



The interface of each terminal is defined as follows:

Relay	Terminal electrical definition
Pin 1	COM
Pin 1	NO

Wiegand Input	Terminal electrical definition
Pin1	D0_IN
Pin2	D1_IN
Pin3	12V
Pin4	GND

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Wiegand Output	Terminal electrical definition
Pin1	D0_OUT
Pin2	D1_OUT
Pin3	GND

232 Serial Port	Terminal electrical definition
Pin1	232_RX1
Pin2	232_TX1
Pin3	GND

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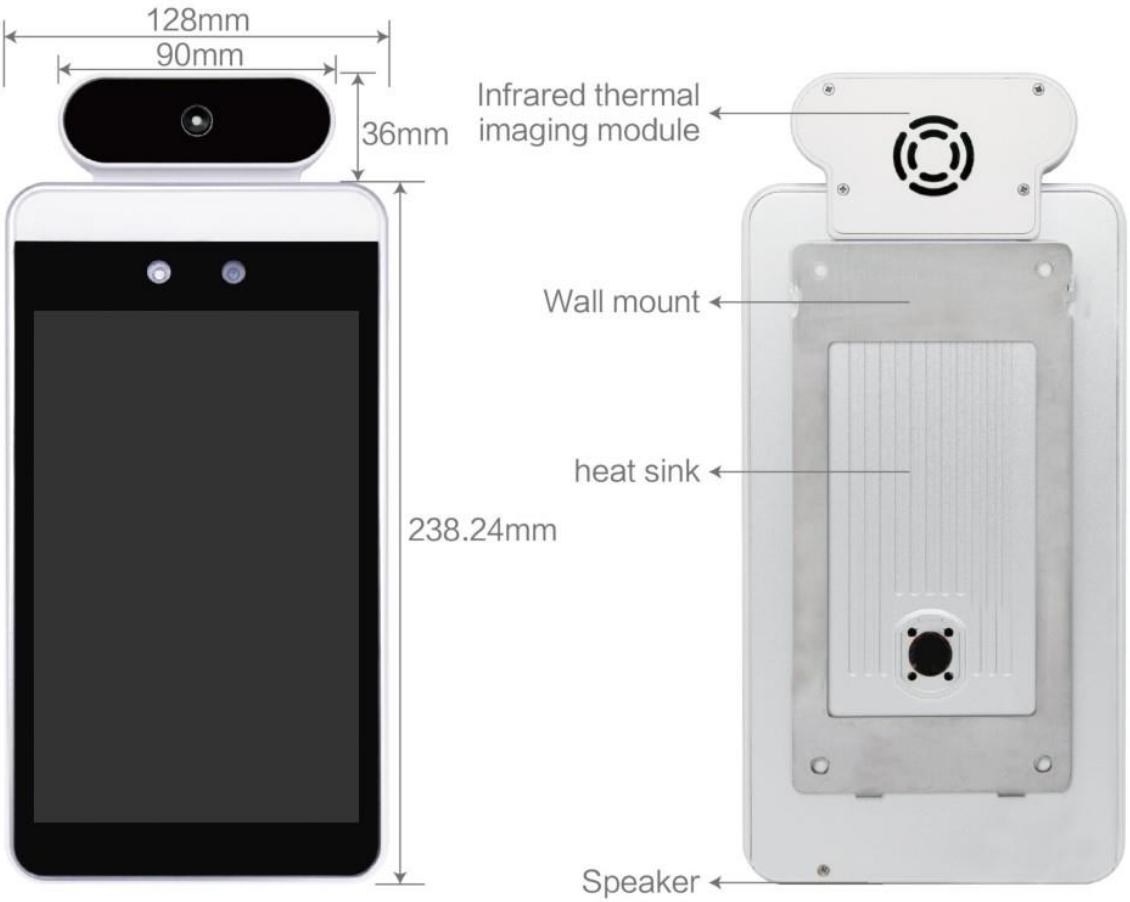
Standard Model



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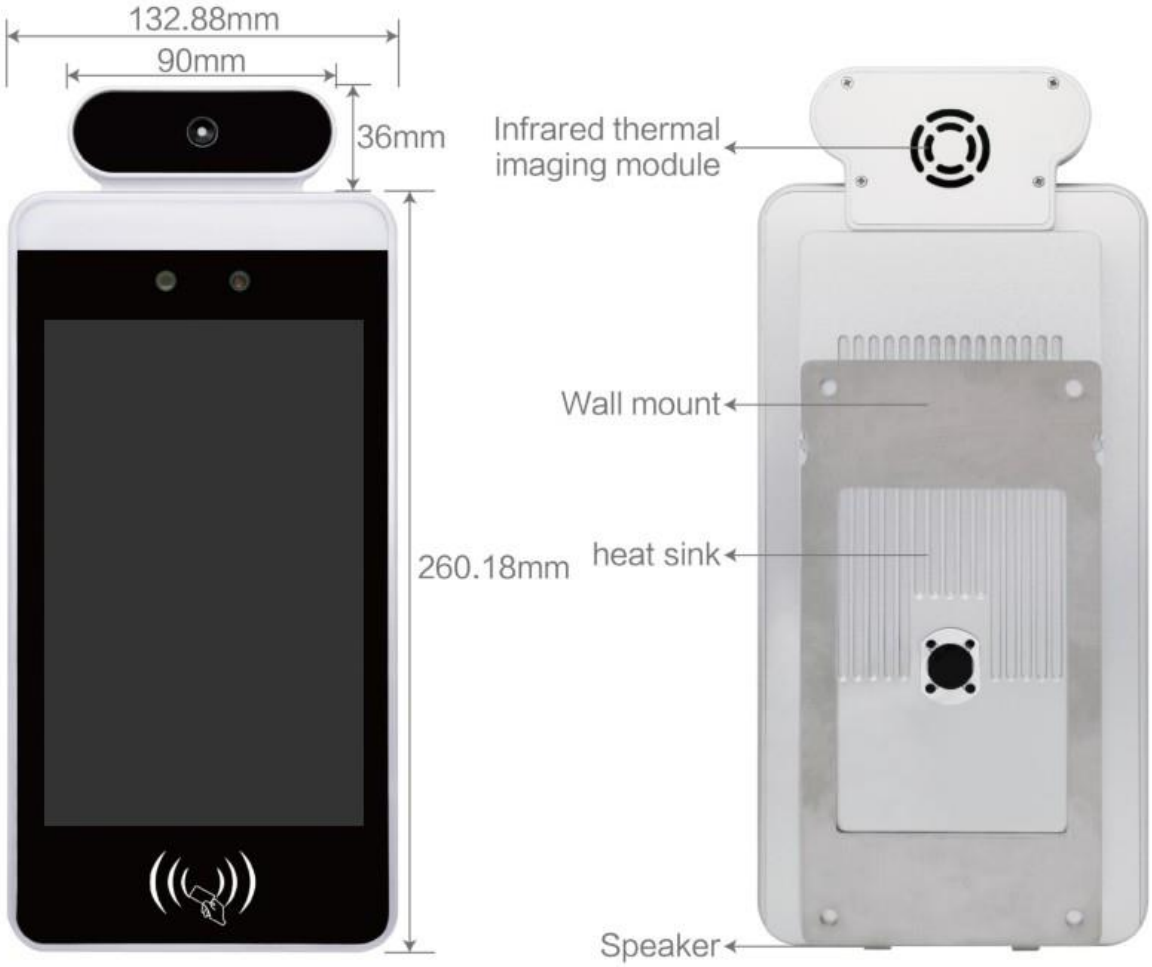
IC/ID Card Model



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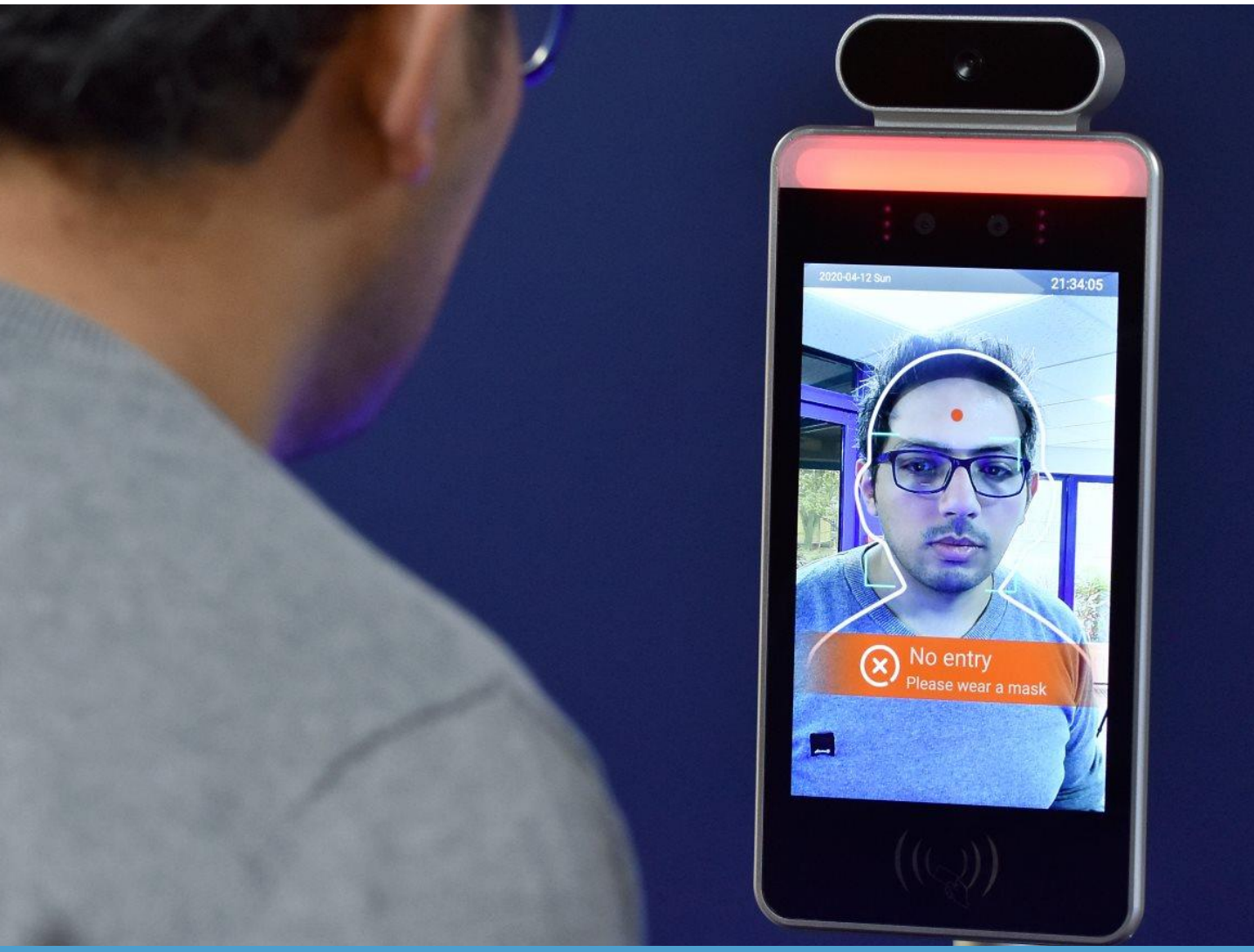

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