80.00 mm

150.00 mm

User Manual

This device supports multi-mode verification including facial recognition, card swiping, passwords and fingerprint(For fingerprint version).It enables SIP-based audio and video intercom for both one-to-one and group calling.

With its fast recognition, high accuracy, and large-capacity database, it is ideal for use in communities, campuses, hospitals, hotels, shopping malls, offices, public places, and construction sites.

Features

- Dual 100W/200W cameras with ISP & auto-exposure
- Expansion interfaces: 3x serial, fill light, relay, Wiegand
- SIP audio/video intercom, Tuya app support optional (5-inch version)
- Upgradable via web or USB
- 5,000/20,000-face database,>99.99% accuracy,<1 sec recognition
- 100,000 local attendance records; offline operation
- API docs for custom development

Specification

Face / PIN / Card User	20,000 (8-inch) 5,000 (5-inch)
Fingerprint	200 (Fingerprint Version)
Attendance Record	100,000
Pixel	2.0Mpx (8-inch) 1.0Mpx (5-inch)
Resolution	800*1280 (8-inch) 480*854 (5-inch)
1:N Face Recognition	Support
Liveness Detection	Support
Pedestrian Detection	Support
High Speed Facial Recognition	＜1s
Recognition Distance	50-150cm
Accurate Recognition	99.99%
Support Languages	English, Russian, Korean, Japanese, Arabic, Portuguese, Spanish
System	Linux
Network Module	Ethernet port, Wifi optional
Card Type	125KHz EM Card/13.56MHz Card
Operating Voltage	12VDC (±10%)
Environment	Indoor (Zinc-Alloy Version) Meet IP64 (ABS Shell Version)
Operating Temperature	- 20℃-70℃
Storage temperature	- 20℃-70℃
Physical	Zinc-Alloy or ABS Shell
Dimension	218*116*22mm (8-inch) 163*86*17mm (5-inch)

Instruction Manual Download

Wiring

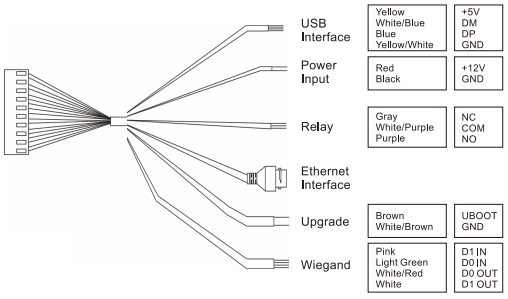
For 5 Inch Plastic Version

Functions	Colors	Function Description
GND	Black	Common Terminal
BUT	Brown	Forced Upgrade Input
ALARM	Gray	Fire Alarm
DOOR	Blue	Door Opening Button
DOOR BELL	Pink	Doorbell Interface
D1	Orange	WG Output Line D1
D0	Purple	WG Output Line DO
NO	Green	Locking signal normally open terminal
COM	White	Locking signal common terminal
NC	Yellow	Locking signal normally closed terminal

Functions	Colors	Function Description
GND	Black	Power -
+12V	Red	Power +

Functions	Colors
RX-	Ethernet interface
RX+	
TX+	
TX-	

For 5 Inch/8 Inch Metal Version



Safety Warning:

Installation and wiring must be performed by qualified personnel. Ensure all wire connections are securely fastened and that no bare copper is exposed to prevent short circuits.

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正面

背面

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