

Dual-Lens Rapid Passage 8-inch Intercom Access Control Terminal



Accurate Recognition



Remote Door



Binocular Detection



8-inch Full



Audio-visual intercom

Fast Face Recognition Unlocking-Saves Time and Effort

Viewing Angle Touch Screen

Seamless Communication



Product Overview

The 8-inch dual-lens door station is a smart access control device integrating a wide dynamic RGB+IR dual-lens camera. It supports audio-visual intercom via the SIP protocol, one-to-one and one-to-many calls (group or single call), multiple unlocking methods, and advanced recognition technology, providing users with efficient and secure access management solutions. Focusing on core user scenarios, this extends smart applications like building intercoms, smart access control, and security monitoring from indoor to outdoor spaces, providing an integrated smart experience. This device utilizes advanced wide dynamic range (WDR) technology to ensure clear image capture under diverse lighting conditions, making it suitable for residential areas, office buildings, schools, hospitals, and other locations.

Applicable Scenarios



Library/Dormitory Access



Residential



School Entrance/Exit



Hospital



Shopping mall



Office building

Product Features



Audio-visual intercom functionality SIP protocol, one-to-one and one-to-many communications (group calls or single calls).



Enables remote upgrades via web interface and local upgrades via USB drive.



Supports facial recognition database of 20,000 entries, boasting a recognition rate exceeding 99.99% and a verification speed of less than one second.



Capable of storing 20,000 facial recognition attendance records locally; up to 1,000,000 records can be stored without associated images.



API integration documentation is provided to facilitate customized development.



multiple unlocking methods facial recognition, QR code, mini program, fingerprint/palm vein, and combinations such as face+password/access card.



Utilizes an industrial-grade dual-lens wide dynamic camera, complemented by built-in dual infrared and LED fill lights for enhanced night vision.



Equipped with an AI high-performance processor, delivering robust performance with 1T NPU independent computing power.

Product Appearance and Dimensions



22mm



Cameras

Resolution	Dual 200W Pixels
Type	Dual-Lens Camera
Aperture	F2.2
Focusing Distance	50-150cm
White Balance	Automatic
Fill Light	LED/Infrared Dual Fill Light

Screen

Dimensions	8-inch IPS LCD Screen
Resolution	800x1280
Touch	Supported

Configuration

CPU	Dual-Core CPU
NPU	1.0TOPS
Operating System	Linux
Storage Capacity	EMMC 8G
Network Module	Ethernet, Wireless (Wi-Fi), 4G Network (Optional)
Audio	2W/8 Ω Speaker
Card Reader	IC/ID Card Reader (Optional)

System Functions

Face Database	20,000 Users
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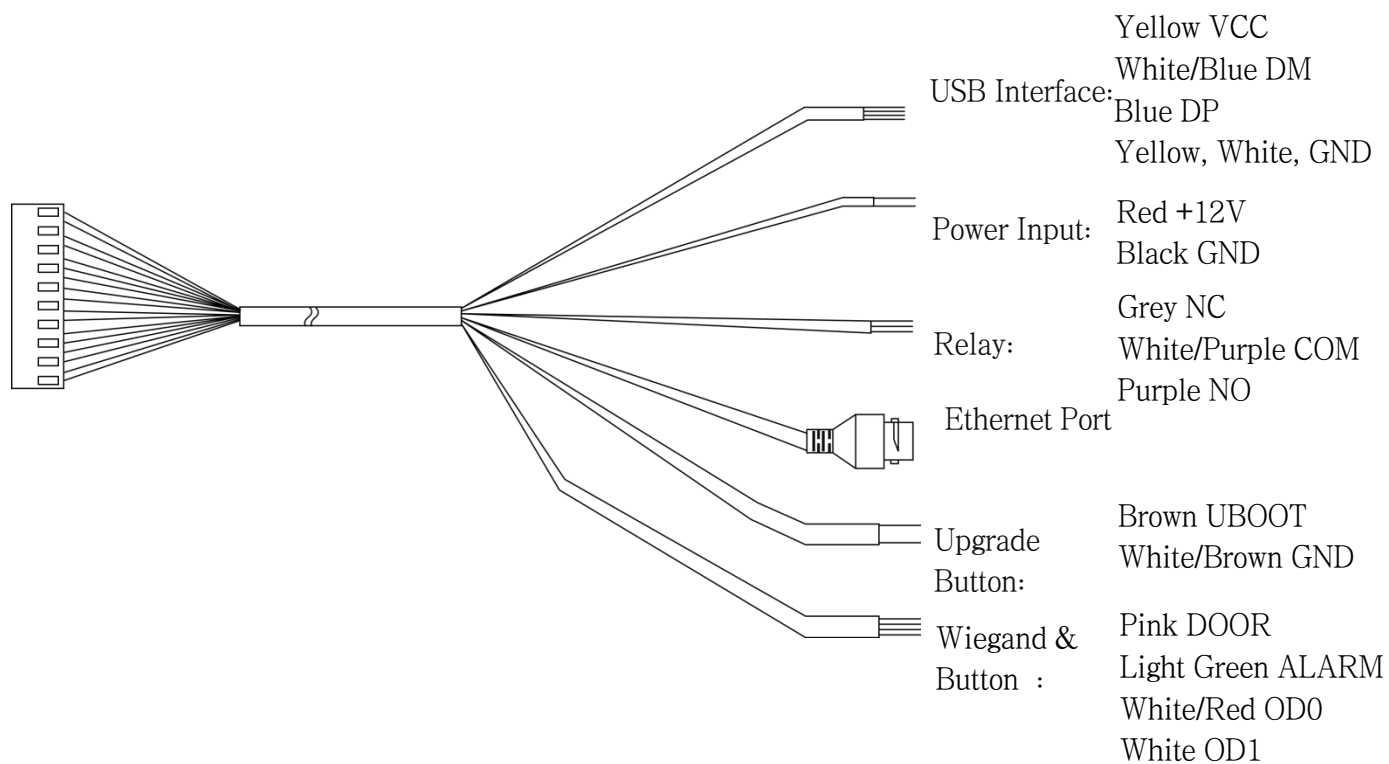
Attendance Records	20,000 entries
1:N Facial Recognition	Supported
Liveness Detection	Supported
Stranger Detection	Supported
Recognition Distance	50-150cm
Recognition Speed	<1 second
Recognition Rate	99.99%
UI Interface Configuration	Supported
Remote Device Upgrade	Supported
API Interface	Device Management, Personnel/Photo Management, Communication Records, System Settings
Deployment Methods	Supports public cloud deployment, private deployment, and LAN/standalone usage

Standard Parameters

Power Supply	12V 2A
Operating Temperature	-10 ° C-60 ° C
Storage Temperature	-20 ° C-70 ° C
Power Consumption	24W (MAX)
Installation Method	Wall-Mounted Installation
Protection Level	IP54
Device Dimensions	218*116*22mm



Interfaces and Definitions



Note: Cable and interface definitions (interfaces may vary slightly between production batches)