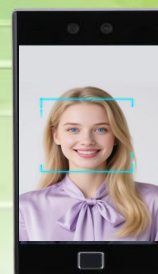




VN-CUK0435U-Y-X3

8-inch Face Recognition Access Controller



Scene

Ideal for use in office buildings, schools, parks, communities, factories, public venues, business centers and more.

Technical Specifications

System

Main Processor	Embedded Processor
Network Protocol	UDP;TCP;IPv6;IPv4;RTSP;SIP;P2P;RTP
OSDP Protocol	Yes
SDK and API	Yes

Basic

Product Type	Standalone
Display Screen	8" LCD
Screen Type	Capacitive Touchscreen
Screen Resolution	1280 (V) × 800 (H)
Camera	1/2.7" 2MP CMOS HD camera with WDR
WDR	120 dB
Light Compensation	Auto IR
Voice Prompt	Yes
Speaker	Yes
Casing Material	PC

Function

Verification Method	IC Card, password, face, fingerprint, QR code and remote
Unlock Mode	Unlock through card, password, face, fingerprint, QR code and remote unlock. You can also combine them to create your own personal unlock methods.
Card Type	IC card; DESFire EV3
Frequency Range	13.560 MHz
Period List	128

Features:

- 8-inch LCD with 1280 x 800 resolution and a 2 MP CMOS dual-lens camera.
- Stores 100,000 users and face images, 500,000 cards, 100,000 passwords, 10,000 fingerprints and 300,000 records; up to 50 administrators.
- Face, card, password, fingerprint and QR credentials can be scheduled or combined for access verification.
- Recognizes faces at 0.3 to 3.0 m for people 0.9 to 2.4 m tall.
- Deep learning examines more than 360 facial points and completes contactless verification in 0.2 seconds per person.
- Detects face masks and displays image or video advertisements.
- Processes up to six faces simultaneously.
- Web personnel management supports adding, editing and deleting records.
- Supports VMS, desktop access management clients and mobile management applications.

Holiday Period	128
Network Update	Yes
First User Unlock	Yes
Remote Verification	Yes
Restricted List/Trusted List	Yes
Wi-Fi	Yes
Wireless Standard	IEEE802.11b/802.11g/802.11n
Wireless Frequency Range	2.4 GHz
Max Transmission Power	≤20 dBm@2400-2483.5 MHz
Wireless Security Encryption	WPA/WPA2;WPA-PSK/WPA2-PSK
Advertisement Playing	Support graphic advertisement play
Peripheral Card Reader	1 × RS-485 card reader, and 1 × Wiegand card reader
Multi-user Authentication	Yes
Real-time Monitoring	Yes

Multi-factor Authentication	Yes
Capture Function	Yes
Web Configuration	Yes
Auto Registration	Yes

Performance

Encryption	Yes
Card Reading Distance	4 cm–6 cm (1.57"–2.36")
Face Recognition Height Range	0.9 m–2.4 m (2.95 ft–7.87 ft)
Face Recognition Distance	0.3 m–3 m (0.98 ft–9.84 ft)
Face Recognition Accuracy	99.9%
Face Recognition Time	0.2 s

User

User (Card) Type	Normal, VIP, patrol, guest, customized user 1, customized user 2 and more
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Capacity

User Capacity	100,000
Face Image Capacity	100,000
Fingerprint Capacity	10,000
Card Capacity	500,000
Password Capacity	100,000
Record Capacity	300,000 unlock records

Port

RS-485	1
RS-232	1
Wiegand	1, input and output port
USB	1 × USB 2.0 port
Network Port	1 × 10 Mbps/100 Mbps; RJ-45/Ethernet port
Alarm Input	2 (On/off signal)
Alarm Output	2 (Relay)
Alarm Linkage	Yes
Exit Button	1
Door Status Detection	1
Lock Control	1

Alarm

Anti-pass Back	Yes
Tamper Alarm	Yes
Duress Alarm	Yes
Door Sensor Timeout	Yes

Intrusion Alarm	Yes
Illegal Card Exceeding Threshold	Yes
Duress Fingerprint	Yes

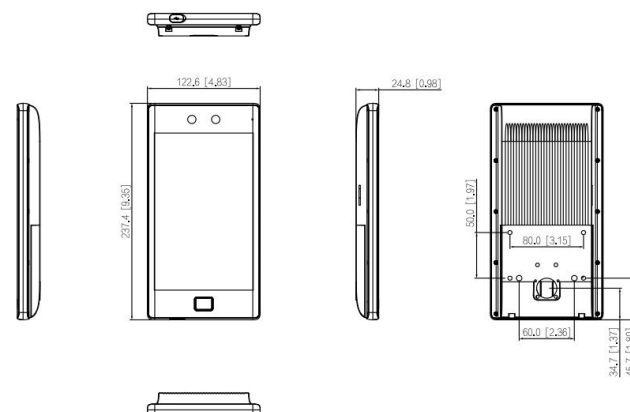
General

Power Adapter	Included
Power Supply	12 VDC, 2 A
Protection	IP65
Power Consumption	≤24 W
Product Dimensions	237.4 mm × 122.6 mm × 24.8 mm (9.35" × 4.83" × 0.98")
Packaging Dimensions	390.0 mm × 320.0 mm × 360.0 mm (15.35" × 12.60" × 14.17") (H × W × D)
Transport Package Dimensions	299.0 mm × 164.0 mm × 72.0 mm (11.77" × 6.46" × 2.83") (H × W × D)
Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Operating Humidity	0%–90% (RH), non-condensing
Operating Altitude	0 m–1,300 m (0 ft–4265.09 ft)
Operating Environment	Indoor; outdoor
Gross Weight	1.0 kg (2.20 lb)
Accessory	Included wall mount bracket
Installation	Turnstile Mount;86 case mount;Wall;Floor Bracket Mount

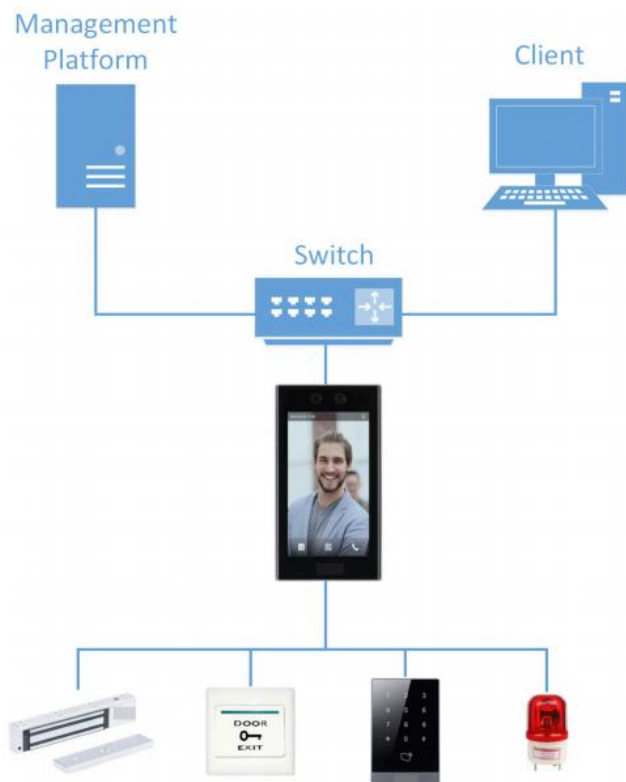
Ordering Information

Type	Model	Description
Face Recognition Access Controller	VN-CUK0435U-Y-X3	Face Recognition, Card Swiping, Password Face Recognition Access Controller

Dimensions (mm[inch])



Application



Application Configuration

Door-control accessories	Magnetic lock, matching lock bracket, dedicated lock power supply and exit push button
Magnetic Locking	VN-CUH402C for single doors or VN-CUH402D for double doors
Lock Mounting	VN-CUH402W-X3 brackets for the glass-door installation
Lock Power Supply	VN-RHO566F-4CH
Exit request device	VN-CUH122 Exit Push Button
Management Platform	VN-VMS-PRO
Integrated Access Functions	Access-rule configuration, current access-record display and historical access-record search