DH-305WFPIA

Dahua Single Door Face Recognition Access Controller

Series Overview

The Dahua Face Recognition Access Controller is equipped with a high-quality 2-MP CMOS dual-lens camera and advanced intelligent recognition algorithms. With an exceptional accuracy rate of 99.9%, this powerful controller effortlessly conducts speedy recognition in just 0.2 seconds. Moreover, it offers flexible support for multiple verification methods to cater to diverse scenes.

- Comes with a 2.4 inch LCD with a resolution of 320 (H) × 240 (V).
- 2-MP CMOS dual-lens camera with IR illumination and DWDR.
- Multiple unlock methods including face, IC card, password and fingerprint. You can configure scheduled unlock methods, or combine them to create your own personal unlock methods.
- Supports 1,000 users, 1,000 faces, 3,000 fingerprints, 3,000 cards, 1,000 passwords, 50 administrators, and 100,000 records.
- Recognizes faces 0.3 m to 1.5 m away (0.98 ft-4.92 ft) at an accuracy of 99.9%, and compares 1 face with N faces at the speed of 0.2 seconds per person.
- Supports security extension modules for access control, preventing doors from being forcefully opened.
- Supports Web attendance management and exporting local attendance reports.
- Supports doorbell.
- TCP/IP connection.
- Provides power to the electromagnetic lock and card reader (max 12 V, 1 A).

Technical Specification

System

Main Processor	Embedded Processor
Button Type	Mechanical
Network Protocol	IPv4;RTSP;UDP;P2P;IPv6;RTP;TCP
OSDP Protocol	Yes
Interoperability	ONVIF;CGI
SDK and API	Yes

Basic

Product Type	Standalone
Display Screen	2.4-inch display screen
Screen Type	Non-touchscreen
Screen Resolution	320 (H) × 240 (V)
Camera	2 MP CMOS HD Dual Cameras
WDR	DWDR
Light Compensation	Auto IR
Voice Prompt	Yes
Speaker	Yes
Casing Material	PC + ABS

Function

Verification Method	Card/remote/password/fingerprint/face unlock
Card Type	IC card
Period List	128 periods
Holiday Period	128 periods
Network Update	Yes
First User Unlock	Yes
Remote Verification	Yes
Restricted List/Trusted List	Yes
Peripheral Card Reader	One RS-485 card reader or one Wiegand card reader
Multi-user Authentication	Yes
Real-time Monitoring	Yes
Multi-factor Authentication	Yes
Capture Function	Yes
Web Configuration	Yes
Auto Registration	Yes

RFID

Frequency Range	13.56MHz

Performance

IC Card Encryption	Yes
Card Reading Distance	0 cm–3 cm (0"–1.18")
Face Recognition Height Range	1.2 m–2.0 m (3.94 ft–6.56 ft)
Face Recognition Distance	0.3 m–1.5 m (0.98 ft–4.92 ft)
Face Recognition Accuracy	99.9%
Face Recognition Time	0.2 s
Fingerprint Sensor Type	Optical fingerprint
Fingerprint Verification Mode	1:N
Fingerprint Comparison Time	1.5 s
Fingerprint Recognition Time	0.5 s

User

User (Card) Type	Common users, VIP users, patrol users, visitor users, blocklist users, other users, custom users 1 and custom users 2

Capacity

User Capacity	1000
Face Image Capacity	1000
Fingerprint Capacity	3000
Card Capacity	3000
Password Capacity	1000
Record Capacity	100000

Port

RS-485	1 port (reuse the Wiegand port)
Wiegand	1 port (reuse the RS-485 port)
USB	1 × USB 2.0 port
Network Port	1 × 10/100 Mbps Ethernet port
Doorbell	1
Exit Button	1
Door Status Detection	1
Lock Control	1
Power Output Port	1 (12 V, 1.0 A)

Alarm

Anti-pass Back	Yes
Tamper Alarm	Yes
Duress Alarm	Yes
Door Sensor Timeout	Yes
Intrusion	Yes
Illegal Card Exceeding Threshold	Yes
Duress Fingerprint	Yes

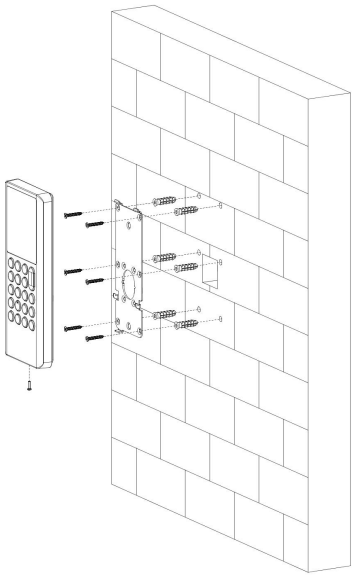
General

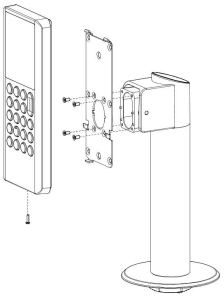
Power Adapter	Optional
Power Supply	12 VDC, 2 A
Power Consumption	≤12 W
Product Dimensions	184.9 mm × 76.2 mm × 20.5 mm (7.28" × 3.00" × 0.81") (H × W × D)
Packaging Dimensions	219 mm × 122 mm × 58 mm (8.62" × 4.80" × 2.28")(H × W × D)
Transport Package Dimensions	219 mm × 122 mm × 58 mm (8.62" × 4.80" × 2.28")(H × W × D)
Operating Temperature	–10 °C to +45 °C (+14 °F to +113 °F)
Operating Humidity	0%–90% (RH), non-condensing
Operating Altitude	0 m–1,300 m (0 ft–4,265.09 ft)
Operating Environment	Indoor
Gross Weight	0.37 kg (0.82 lb)
Accessory	Wall mount bracket (included)
Installation	Wall Mount
Storage Temperature	–20 °C to +70 °C (–4 °F to +158 °F)
Storage Humidity	30%–75%

Ordering Information

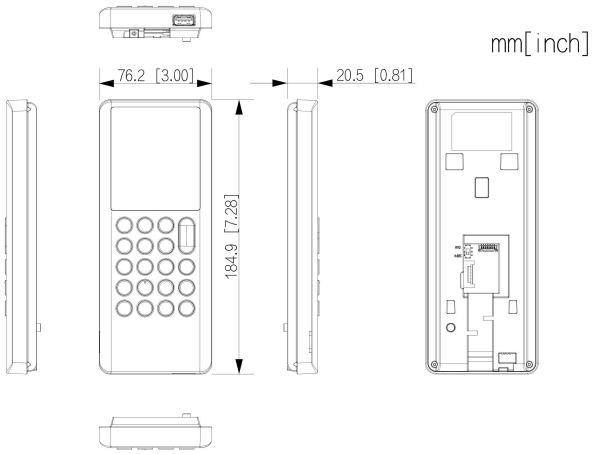
Type	Model	Description
Face Recognition Access Controller	DH-305WFPIA	Dahua Single Door Face Recognition Access Controller

Installation





Dimensions (mm[inch])



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