DHI-ASI8216DA-W

Dahua Single Door Face Recognition,Card Swiping,Password,Palm Vein 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.

Technical Specification

System

Main Processor	Embedded Processor
Network Protocol	FTP; RTMP; HTTP/HTTPS; DNS; RTSP; UPnP; ONVIF; SIP; RTP
OSDP Protocol	Yes
Interoperability	CGI; ONVIF
SDK and API	Yes

Basic

Product Type	Standalone
Display Screen	8-inch display screen
Screen Type	Capacitive Touchscreen
Screen Resolution	800 (H) × 1280 (V)
Camera	1/2.8" 2MP CMOS HD WDR Dual Cameras
WDR	120 dB
Light Compensation	Auto IR
Voice Prompt	Yes
Speaker	Yes
Casing Material	Aluminum alloy + tempered glass

- Built-in Android 11 operating system.
- Elegant 2.5D screen.
- Comes with an 8-inch LCD with a resolution of 800 (H) × 1280 (V).
- 2-MP CMOS dual-lens camera with true WDR functions.
- High-performance image sensor enables recognition even in low light conditions. No need for illumination.
- Supports 100,000 users, 100,000 faces, 500,000 cards, 20,000 palm veins, 50 administrators, and 300,000 records.
- Offers multiple unlock methods including face, IC card, palm vein, password and QR code. You can also combine them to create your own personal unlock methods.
- Recognizes faces 0.3 m to 3.0 m away (0.98 ft–9.84 ft), and detects persons between the height of 0.9 m and 2.4 m (2.95 ft–7.87 ft) when the camera is installed at a height of 1.4 m (4.5 ft).
- Powered by the face recognition deep learning algorithm, the device can accurately locate over 360 key points on the face of a target.
- Faces can be recognized within 0.2 seconds, enabling seamless passage.
- Performs palm vein recognition at 7–15 cm away.
- Liveness detection is used to detect spoof attempt, such as using a photo or video to gain access.
- Supports face mask detection.
- Includes a 3.5 mm audio port and can be connected to active external speakers.
- Offers multiple types of alarms such as duress, tamper, intrusion, unlock timeout, and excessive use of illegal card.
- Plays video and image advertisements. (Supports playing 5 videos within 20 MB and 10 images within 2 MB. (Video format: MP4, AVI, DAV. Image format: JPG, PNG, and BMP.)

Function

Verification Method	QR Code; Remote; Face Recognition; Card; Password; Palm Veins
Advertisement Playing	Support graphic advertisement play
Peripheral Card Reader	1 × RS-485 port and 1 × Weigand port
Real-time Monitoring	Yes
Multi-factor Authentication	Yes
Capture Function	Yes
Web Configuration	Yes
Auto Registration	Yes

RFID

Card Type	IC card
Modulation Type	AM
Frequency Range	13.56 MHz
Max. Transmission Power	42 dBuA/m @10 m

Network

Wi-Fi	Yes
Wireless Standard	802.11b/g/n
Wireless Frequency Range	2.400–2.472 GHz
Max. Transmission Power	≤20 dBm@2400–2483.5 MHz

Performance

Card Reading Distance	0 cm–5 cm (0"–1.97") (IC card)
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

Performance specification

Palm Vein Recognition Distance	7–15 cm (2.76"–5.91")
Palm Vein False Acceptance Rate (FAR)	<1/100000
Palm Vein Recognition Accuracy	99.9%
Palm Vein Recognition Speed	<0.5 s

Capacity parameter

Number of Palm Veins	20,000

User

User (Card) Type	General user, guest user, patrol user, blocklist user, VIP user, other users, custom user 1 and custom user 2

Capacity

Face Image Capacity	100,000
User Capacity	100,000
Card Capacity	500,000
Password Capacity	100,000
Record Capacity	300,000

Port

RS-485	1 port
RS-232	1 port
Wiegand	1 × Wiegand port with configurable input and output

USB	1 × USB2.0 port (Type-C)
Network Port	1 × 10/100/1000 Mbps Ethernet port
Alarm Input	2 channels
Alarm Output	2 channels
Alarm Linkage	Yes
Exit Button	1 channel
Door Status Detection	1 channel
Lock Control	1 channel, open by default
Power Output Port	1 channel (12 V, 0.3 A)

Alarm

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

General

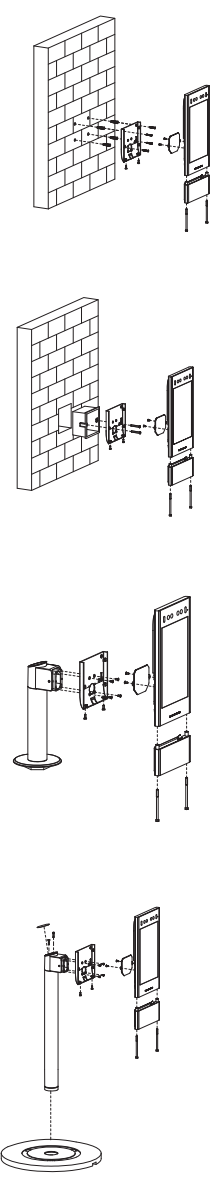|	
Power Adapter	Included
Power Supply	12 VDC, 2 A
Protection	IP65
Power Consumption	≤7 W (standby), ≤12 W (working)
Product Dimensions	306 mm × 133 mm × 25 mm (12.05" × 5.24" × 0.98") (H × W × D)
Packaging Dimensions	369 mm × 231 mm × 119 mm (14.53" × 9.09" × 4.69") (H × W × D)
Transport Package Dimensions	485 mm × 390 mm × 270 mm (19.09" × 15.35" × 10.63") (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–4,265.09 ft)
Operating Environment	Outdoor; Indoor
Gross Weight	1.45 kg (3.20 lb)
Accessory	Included: Wall mount bracket
Installation	Turnstile Mount;86 case mount; Floor Bracket Mount; Flush Mount; Wall Mount
Certifications	CE
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	DHI-ASI8216DA-W	Dahua Single Door Face Recognition,Card Swiping,Password,Palm Vein Access Controller

Dimensions (mm[inch])

Installation

Application