

# DHI-ASI3213A-W-E1

Dahua 4.3-inch 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.

- 4.3 inch glass touch screen with a resolution of 480 × 272.
- 2-MP wide-angle dual-lens camera with IR illumination and DWDR.
- Multiple unlock methods including face, card and password. You can also combine them to create your own personal unlock methods.
- Supports mask detection.
- Recognizes faces 0.3 m to 1.5 m away (0.98 ft-4.92 ft), and detects persons between the height of 1.1 m and 2.0 m (3.61 ft-6.56 ft) when the camera is installed at 1.4 m (4.5 ft).
- Supports 3,000 users, 3,000 faces, 3,000 passwords, 5,000 cards, 50 administrators, and 50,000 records.
- Liveness detection has a face recognition accuracy rate of 99.9% and the 1:N comparison time is 0.2 s per person.
- TCP/IP and Wi-Fi connection, auto registration, P2P registration, and DHCP.
- Supports making video calls and using the app to receive alarm notifications, remotely unlock doors and to perform other tasks.
- Online update and update through USB.

## Technical Specification

### System

|                  |                                    |
|------------------|------------------------------------|
| Main Processor   | Embedded Processor                 |
| Network Protocol | IPv4;RTSP;UDP;P2P;IPv6;RTP;TCP;SIP |
| OSDP Protocol    | Yes                                |
| Interoperability | ONVIF;CGI                          |
| SDK and API      | Yes                                |

### Basic

|                    |                               |
|--------------------|-------------------------------|
| Product Type       | Standalone                    |
| Display Screen     | 4.3-inch display screen       |
| Screen Type        | Capacitive Touchscreen        |
| Screen Resolution  | 480 (H) × 272 (V)             |
| Camera             | 2-MP CMOS HD dual-lens camera |
| WDR                | DWDR                          |
| Light Compensation | Auto IR                       |
| Voice Prompt       | Yes                           |
| Buzzer             | Yes                           |
| Casing Material    | PC + ABS                      |

### Function

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| Verification Method          | Card;Password;Remote;Face Recognition             |
| Door Open Notification Mode  | Minimal Mode;Simple Mode;Standard;Contrast Mode   |
| Period List                  | 128 periods                                       |
| Holiday Period               | 128 groups                                        |
| Network Update               | Yes                                               |
| First User Unlock            | Yes                                               |
| Remote Verification          | Yes                                               |
| Restricted List/Trusted List | Yes                                               |
| Peripheral Card Reader       | 1 × RS-485 card reader<br>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                                               |

### RFID

|                         |                                                                  |
|-------------------------|------------------------------------------------------------------|
| Card Type               | IC card;Desfire card (EV3,Compatible with Dahua card by default) |
| Modulation Type         | ASK                                                              |
| Frequency Range         | 13.56 MHz                                                        |
| Max. Transmission Power | 42dBuA/m @10m                                                    |

### Network

|                         |                        |
|-------------------------|------------------------|
| Max. Transmission Power | ≤20dBm@2400-2483.5 MHz |
|-------------------------|------------------------|

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|                          |                                        |
|--------------------------|----------------------------------------|
| Wi-Fi                    | Yes                                    |
| Wireless Standard        | IEEE 802.11b;IEEE 802.11g;IEEE 802.11n |
| Wireless Frequency Range | 2.4 GHz                                |

Performance

|                               |                               |
|-------------------------------|-------------------------------|
| Card Reading Distance         | 0 cm–3 cm (0"–1.18")          |
| Face Recognition Height Range | 1.1 m–2.0 m (3.61 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                         |
| Read Speed (QR Code)          | 500 ms                        |
| Code Type                     | Paper<br>Electronic           |

User

|                  |                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------|
| User (Card) Type | Normal user; VIP users; patrol users; guest user; blocklist user; other user; custom user 1; custom user 2 |
|------------------|------------------------------------------------------------------------------------------------------------|

Capacity

|                     |        |
|---------------------|--------|
| Face Image Capacity | 3,000  |
| User Capacity       | 3,000  |
| Card Capacity       | 5000   |
| Password Capacity   | 3,000  |
| Record Capacity     | 50,000 |

Port

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| RS-485                | 1                                                 |
| Wiegand               | 1                                                 |
| USB                   | 1 × USB 2.0                                       |
| Network Port          | 1 × RJ-45 10/100 Mbps self-adaptive Ethernet port |
| 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                        | Yes |
| Illegal Card Exceeding Threshold | Yes |

General

|                   |               |
|-------------------|---------------|
| Power Adapter     | Included      |
| Power Supply      | 12 VDC, 1.5 A |
| Power Consumption | ≤18 W         |

|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| Product Dimensions           | 115.0 mm × 118.0 mm × 27.1 mm (4.53" × 4.65" × 1.07") (H × W × W)            |
| Packaging Dimensions         | 190 mm × 179 mm × 127 mm (7.48" × 7.05" × 5") (L × W × H) (protection box)   |
| Transport Package Dimensions | 190 mm × 179 mm × 127 mm (7.48" × 4.65" × 5.00") (L × W × H, protection box) |
| Operating Temperature        | –10 °C to +40 °C (+14 °F to +104 °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                 | 400 g (0.88 lb)                                                              |
| Accessory                    | Wall mount bracket (included)                                                |
| Installation                 | Wall Mount;Desk Mount;86 mm Junction Box 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 | DHI-ASI3213A-W-E1 | Dahua 4.3-inch Face Recognition Access Controller |

Dimensions (mm[inch])

