**Dahua** TECHNOLOGY

# DHI-ASI7223X-A
Face Recognition Terminal



· 2.5D curved screen

· 7 Inch LCD display with resolution of 1024×600

· 200 MP CMOS, WDR

· Vehicle level LCD whose working temperature is -30°C to 60°C

· IP65 (Silicone sealant is needed. For details, see the quick start guide.)

· Auto fill light reduces light pollution

· Can hold 100,000 users, 100,000 face images, 100, 000 password, 50
  administrators, and 300,000 records

· Support face and password unlock and unlock through their
  combinations

· With face detection box; the largest face among faces that appear
  at the same time is recognized first; the maximum face size can be
  configured on the web

· Face-camera distance: 0.3 m–2.0 m; human height: 0.9 m–2.4 m
  (lens-ground distance: 1.4 m)

· With face recognition algorithm, the terminal can recognize more
  than 360 positions on human face

· Support liveness detection

· Face recognition speed: 0.2 s per face

· Accurate recognition in backlight and front light

· Various unlock status display modes protect user privacy

· Support duress alarm and tamper alarm

· Support general users, patrol users, VIP users, guest users, and special
  users

## Technical Specification

### System

| | |
|---|---|
| Main Processor | Embedded Processor |
| Internet Protocol | IPv4, RTSP, RTP, TCP, UDP, P2P |
| OSDP Protocol | Yes |
| Interoperability | ONVIF; CGI |
| SDK and API | Support SDK |

### Basic

| | |
|---|---|
| Display | 7 inch display |
| Screen Type | Capacitive Screen |
| Resolution | 600(H)×1024(V) |
| Camera | 1/2.8" 2MP CMOS high definition WDR dual camera |
| WDR | 120dB |
| Light Compensation | Auto white light<br>Auto IR light |

| | |
|---|---|
| Status Indicator | 1 indicator light. Red: Error; Green: Normal; Blue: Working |
| Voice Prompt | Yes |
| Housing Material | Aluminium alloy/tempered glass/PC |

### Function

| | |
|---|---|
| Unlock Mode | Remote/Password/Face unlock and unlock through their cmbinations |
| Period List | 128 |
| Holiday Period | 128 |
| Remote Verification | Yes |
| Peripheral Card Reader | 1 RS-485, 1 Wiegand |
| Real-Time Surveillance | Yes |
| Web Configuration | Yes |

### Performance

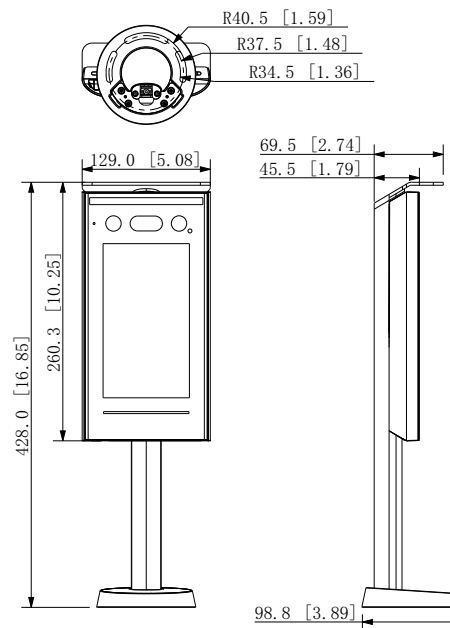| | |
|---|---|
| Face Recognition Range | Face-camera distance: 0.3 m–2.0 m<br>Human height: 0.9m–2.4 m |

| Face Verification Accuracy | ≥99.5% |
|---|---|
| Face Recognition Time | 0.2s |

## Capacity

| User Capacity | 100, 000 |
|---|---|
| Face Image Capacity | 100, 000 |
| Password Capacity | 100, 000 |
| Record Capacity | 300, 000 records |

## Port

| RS-485 | 1 |
|---|---|
| RS-232 | 1 |
| Wiegand | 1 (input or output) |
| USB | 2 USB2.0 port |
| Ethernet | 1 1000M Ethernet Port<br>1 10M/100M Ethernet Port |
| Alarm Input | 1 (Switch quantity) |
| Alarm Output | 1 (Relay) |
| Alarm Linkage | Yes |
| Exit Button | 2 |
| Lock Control | 2 |

## Alarm

| Anti-Passback | Yes |
|---|---|
| Tamper | Yes |
| Duress | Yes |

## Regular

| Power Supply | Provided |
|---|---|
| Power Supply Mode | DC 12V 2A |
| Protection Grade | IP65 (Silicone sealant is needed. For details, see the quick start guide.) |
| Power Consumption | 24W |
| Product Dimensions | 428.0mm×129.0mm×98.8mm(16.85"×5.08"×3.89") |
| Packaging Dimensions | Controller packging: 564mm×257mm×148 mm(22.20"×10.12"×5.83")<br>Protective case: 585mm×545mm×320mm (23.03"×21.46"×12.95") |
| Working Temperature | -30°C to +60°C (-22°F to +140°F) |
| Working Humidity | 0%RH–90%RH (non-condensing) |
| Working Environment | Indoor and outdoor |
| Gross Weight | 3.0kg (6.61 lb) |
| Installation Method | Desktop |
| Certification | CE/FCC |

## Ordering Information

| Type | Model | Description |
|---|---|---|
| Face Recognition Terminal | DHI-ASI7223X-A | 7-inch Face Recognition Terminal (outdoor) |
| Face Recognition Terminal | ASI7223X-A | 7-inch Face Recognition Terminal (outdoor) |

## Dimensions (mm[inch])



## Application