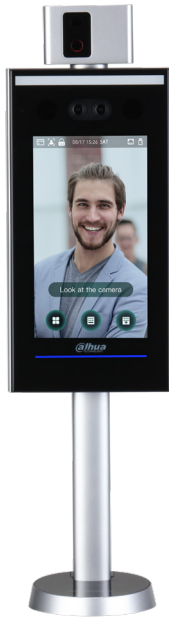


DHI-ASI7223X-A-T1

Face Recognition Terminal



- 2.5D curved screen
- 7-inch LCD display with resolution of 1024 × 600
- 2MP CMOS, WDR
- Auto illumination 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
- Face recognition speed: 0.2 s per face
- Support liveness detection
- Accurate recognition in backlight and front light
- Various unlock status display modes protect user privacy
- Support enabling/disabling the temperature monitoring mode; temperature monitoring range is 30°C to 45°C; temperature monitoring distance range is 0.3 m–1.2 m; temperature monitoring error is ≤ 0.5°C; report temperature anomaly alarm
- Support mask detection, report alarm of abnormal events without wearing a mask
- 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 |
| Network Protocol | IPv4, RTSP, RTP, TCP, UDP, P2P |
| OSDP Protocol | Yes |
| Interoperability | ONVIF; CGI |
| SDK and API | Support SDK |

Basic

| | |
|--------------------|---|
| Display Screen | 7-inch display screen |
| Screen Type | Capacitive screen |
| Resolution | 600 (H) × 1024 (V) |
| Camera | 1/2.8" 2MP CMOS high definition WDR dual camera |
| WDR | 120 dB |
| Light Compensation | Auto white light Auto IR light |
| Status Indicator | 1 indicator light. Red: Error; Green: Normal; Blue: Working |
| Voice Prompt | Yes |
| Casing | Aluminium alloy/tempered glass/PC |

Function

| | |
|------------------------|--|
| Unlock Mode | Remote/Password/Face unlock and unlock through their combinations Face unlock under temperature monitoring mode |
| 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 Distance | Face-camera distance: 0.3 m–2.0 m Human height: 0.9 m–2.4 m |
| Face Verification Accuracy | 99.5% |
| Face Recognition Time | 0.2 s |
| Temperature Monitoring accuracy | 0.1°C |
| Temperature Monitoring Range | 30°C to 45°C |
| Temperature Monitoring Error | ≤ 0.5°C |
| Temperature Monitoring Distance | 0.3 m–1.2 m |
| Temperature Monitoring Height | 135 cm–185 cm (when temperature monitoring distance is 0.5 m) 120 cm–210 cm (when temperature monitoring distance is 1.2 m) |

Capacity

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

Port

| | |
|---------------|---|
| RS-485 | 1 |
| Wiegand | 1 (input or output) |
| USB | 1 USB2.0 port |
| Network | 1 1000Mbps network port 1 100Mbps network 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 |

Thermal Camera

| | |
|-------------------|----------------------------|
| Effective Pixels | 120 x 90 |
| Pixel Size | 17 μm |
| Focal Length | 1.3 mm F 1.1 |
| Shutter | Automatic built-in shutter |
| Power Consumption | <150 mW |
| Peak Current | <100 mA |

| | |
|-----------------|--------|
| Standby Current | <30 mA |
| Working Current | <30 mA |

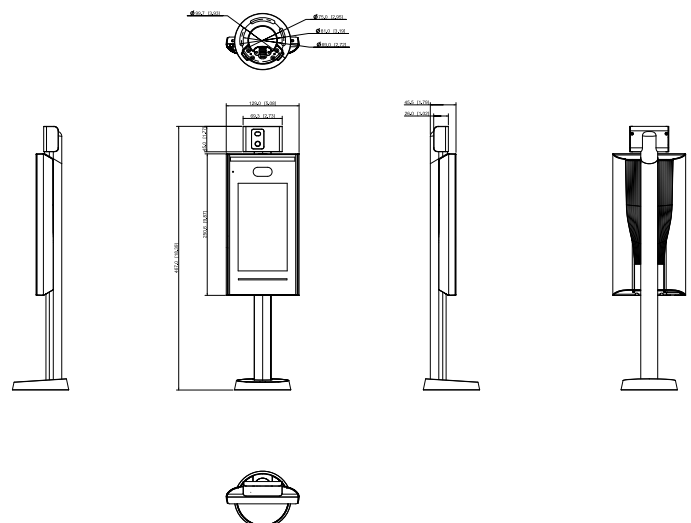
General

| | |
|-----------------------|--|
| Power Adapter | Included |
| Power Supply | 12V 2A DC |
| Power Consumption | ≤ 24W |
| Product Dimensions | 477.0 mm × 129.0 mm × 99.7 mm (18.78" × 5.08" × 3.93") |
| Packaging Dimensions | Controller packaging: 593 mm × 258 mm × 130 mm (23.35" × 10.16" × 5.12") Protective case: 672 mm × 615 mm × 291 mm (26.46" × 24.21" × 11.46") |
| Operating Temperature | Temperature monitoring mode disabled: -10°C to +55°C (+14°F to +131°F) Temperature monitoring mode enabled: +15°C to +30°C (+59°F to +86°F) |
| Operating Humidity | 0%RH–90%RH (non-condensing) |
| Operating Environment | Indoor |
| Gross Weight | 3.1 kg (6.83 lb) |
| Installation | Desktop |
| Certifications | CE/FCC |

Ordering Information

| Type | Model | Description |
|---|-------------------|---|
| Face Recognition Terminal(indoor; temperature monitoring) | DHI-ASI7223X-A-T1 | 7-inch Face Recognition Terminal (indoor; temperature monitoring) |
| Face Recognition Terminal(indoor; temperature monitoring) | ASI7223X-A-T1 | 7-inch Face Recognition Terminal (indoor; temperature monitoring) |

Dimensions (mm[inch])



Application

