

# Thermal Temperature Station



- 7-in. LCD Display with a 600 x 1024 Resolution
- Dual 2 MP CMOS Sensors
- Infrared Temperature Sensor
- Contactless Temperature Measurement from 0.30 m to 1.83 m (1.0 ft to 6.0 ft) from Station
- Temperature Measurement Accurate to  $\pm 0.5^{\circ}\text{C}$  ( $\pm 0.9^{\circ}\text{F}$ )

## Solution Overview

The Dahua Thermal Temperature Station offers a compact, economical and easily deployed solution for monitoring human skin temperature. Install and implement the station to detect elevated skin temperature in environments such as hospitals, clinics, office buildings, and retail locations.

The Dahua Thermal Temperature Station is not FDA-cleared or approved. The Solution should not be solely or primarily used to diagnose or exclude a diagnosis of COVID-19 or any other disease. Elevated body temperature should be confirmed with secondary evaluation methods (e.g., an NCIT or clinical grade contact thermometer). Users, through their experience with the Solution in the particular environment of use, should determine the significance of any fever or elevated temperature based on the skin telethermographic temperature measurement. Visible thermal patterns are only intended for locating the points from which to extract the thermal measurement.

## Technical Specification

### System

|                   |   |
|-------------------|---|
| Main Processor    | Embedded  |
| Internet Protocol | IPv4, RTSP, RTP, TCP, UDP, P2P                                |
| Interoperability  | ONVIF, CGI, SDK Support                                       |
| Status Indicator  | Red: Error<br>Green: Normal Operation<br>Blue: Device Working |

### Video

|                    |                                     |
|--------------------|-------------------------------------|
| Sensor             | Two (2) 1/2.8-in. 2 MP CMOS Sensors |
| Wide Dynamic Range | 120 dB                              |
| Illumination       | Auto White Light<br>Auto IR         |
| Display            | 7-in. Screen                        |
| Screen Type        | Capacitive                          |
| Resolution (H x V) | 600 pixels by 1024 pixels           |

## Temperature Monitoring

|                         |   |   |
|-------------------------|---|---|
| Area                    | 120 pixels x 90 pixels                    |   |
| Visual Angle            | 50°                                       |   |
| Monitoring Range        | 30° C to 50° C (86° F to 122° F)          |   |
| Ambient Operating Range | 16° C to 32° C (60.80° F to 89.60)        |   |
| Time                    | 0.2 s                                     |   |
| Accuracy                | 0.1° C (0.18° F)                          |   |
| Error                   | $\pm 0.5^{\circ}\text{C}$ (0.9° F)        |   |
| Distance                | 0.30 m to 1.80 m (11.81 in. to 70.86 in.) |   |
| Height                  | at 0.50 m (1.60 ft) distance              | 1.40 m to 1.85 m (55.12 in. to 72.83 in.) |
|                         | at 1.20 m (3.90 ft) distance              | 1.35 m to 2.0 m (53.15 in. x 78.74 in.)   |

## Functions

|              |  |
|--------------|--|
| Access Rules | Temperature Threshold<br>Face Mask Detection |
|--------------|--|

## Interface

|          |  |
|----------|--|
| Ethernet | One (1) 1000 Mbps Port, RJ-45<br>One (1) 10/100 Mbps Port, RJ-45 |
| RS485    | One (1) Port   |
| RS232    | One (1) Port   |
| Wiegand  | One (1) Port, Input or Output                                    |
| USB      | Two (2) USB 2.0 Ports  |

## Alarms

|        |                  |
|--------|------------------|
| Input  | Two (2) Switches |
| Output | Two (2) Relays   |

**Technical Specification**

Certifications

|                                     |   |
|-------------------------------------|---|
| Electromagnetic Compatibility (EMC) | FCC CFR 47 Part 15 subpart B<br>EN 55032:2015, EN 55024:2010/A1:2015, EN 55035:2017, EN 50130-4:2011/A1:2014, EN 61000-3-3:2013 |
|-------------------------------------|---|

Electrical

|                   |                                      |
|-------------------|--------------------------------------|
| Power Supply Mode | 12 VDC, 2 A (power adapter included) |
| Power Consumption | ≤ 24 W                               |

Environmental

|                       |                                       |
|-----------------------|---------------------------------------|
| Operating Temperature | +15° C to +32° C (+59° F to +89.6° F) |
| Operating Humidity    | 0% to 90% Relative, non-condensing    |
| Environment           | Indoors                               |

Construction

|                  |  |
|------------------|--|
| Housing Material | Aluminium Alloy Tempered Glass, PC   |
| Dimensions       | Product<br>312.50 mm x 129.0 mm x 36.70 mm<br>(12.30 in. x 5.08 in. x 1.44 in.)  |
|                  | Packaging<br><ul style="list-style-type: none"> <li>Controller:<br/>380.0 mm x 235.0 mm x 124.0 mm<br/>(14.96 in x 9.25 in. x 4.88 in.)</li> <li>Protective Case<br/>494.0 mm x 402.0 mm x 275.0 mm<br/>(19.45 in. x 15.83 in. x 10.83 in.)</li> </ul> |
| Gross Weight     | 2.20 kg (4.85 lb)  |
| Installation     | Wall-mount or optional floor stand or desktop stand  |

**Ordering Information**

| Type                        | Part Number     | Description                                       |
|-----------------------------|-----------------|---|
| Thermal Temperature Station | DHI-ASI7213X-T1 | 7-in. LCD Display with IR Temperature Measurement |
| Accessories, optional       | ASF172X-T1      | Floor Stand                                       |
|                             | ASF072X-T1      | Desk Stand  |

**Optional Accessories**



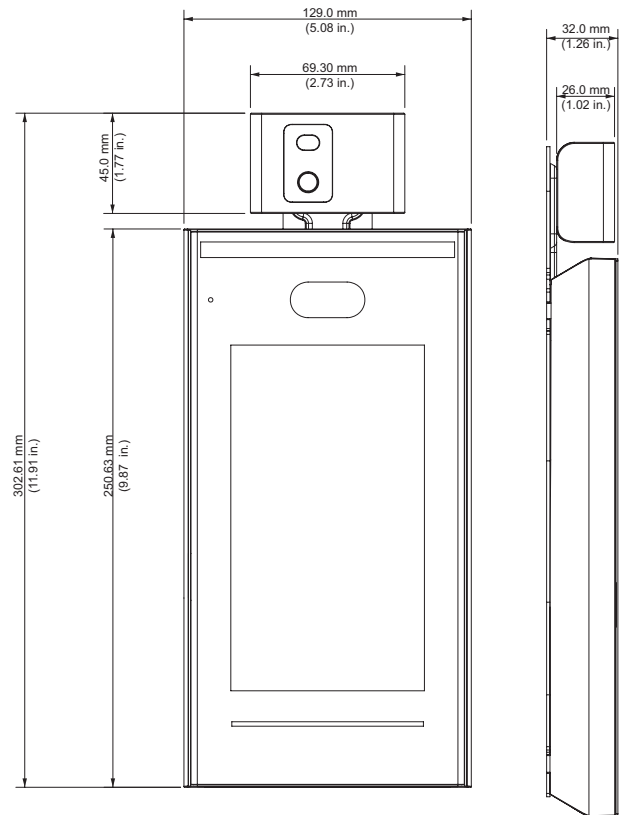
ASF172X-T1  
Floor Stand



ASF072X-T1  
Desktop Stand

**Dimensions (mm/in.)**

Front/Side



Rear

