

# Thermal Temperature Station



## 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 SafetyTemp Thermal Temperature Station is not FDA-cleared or approved. The SafetyTemp Thermal Temperature Station should not be solely or primarily used to diagnose or exclude a diagnosis of COVID-19 or any other disease. Elevated skin temperature in the context of use should be confirmed with secondary evaluation methods (e.g., an NCIT or clinical grade contact thermometer). Public health officials, 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. The SafetyTemp Thermal Temperature Station should be used to measure only one subject's temperature at a time. 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 Green: Normal Operation Blue: Device Working

- 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  $\pm 0.5^{\circ}\text{C}$  ( $\pm 0.9^{\circ}\text{F}$ )

### Video

Sensor	Two (2) 1/2.8-in. 2 MP CMOS Sensors
Wide Dynamic Range	120 dB
Illumination	Auto White Light 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 Face Mask Detection
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### Interface

Ethernet	One (1) 1000 Mbps Port, RJ-45 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 EN 55032:2015, EN 55024:2010/A1:2015, EN 55035:2017, EN 50130-4:2011/A1:2014, EN 61000-3-3:2013
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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 312.50 mm x 129.0 mm x 36.70 mm (12.30 in. x 5.08 in. x 1.44 in.)
	Packaging <ul style="list-style-type: none"> <li>Controller: 380.0 mm x 235.0 mm x 124.0 mm (14.96 in. x 9.25 in. x 4.88 in.)</li> <li>Protective Case 494.0 mm x 402.0 mm x 275.0 mm (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
	ASF172X/II-T1	Adjustable Floor Stand

**Optional Accessories**



ASF172X-T1  
Floor Stand



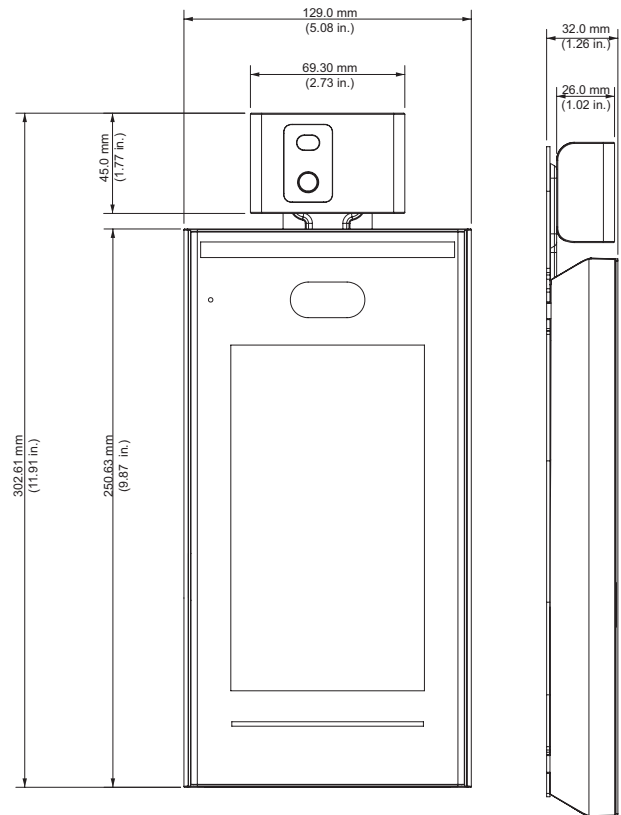
ASF072X-T1  
Desktop Stand



ASF172X/II-T1  
Adjustable Floor Stand

**Dimensions (mm/in.)**

Front/Side



Rear

