Dahua TECHNOLOGY

IP Color Indoor Monitor
7-inch Touchscreen

- 7-inch Capacitive Touch Screen, 800 x 480 Resolution
- Simplified Connection and Setup to Compatible Outdoor Stations
- Supports Alarm Integration with 3rd Party Intrusion Devices
- Control up to Two (2) Doors and Monitor up to 32 IP Cameras
- Integrated Micro SD Card Slot, maximum 32 GB
- Perform Call Session Recordings and Take Snapshots of Live Video (requires SD card)
- Setup and Activate up to Eight (8) Alarm Inputs
- Surface-mounted

System Overview

The DHI-VTH1550CH indoor monitors allow tenants to view and talk with visitors, record call sessions, monitor the surroundings from outdoor stations and IP cameras and remotely unlock doors. Visitors can also leave messages, which can be retrieved from the indoor monitor or remotely using the iDMSS or gDMSS app. The DHI-VTH1550CH indoor monitor is used as part of a video intercom solution with compatible outdoor stations.

Technical Specification

System

Main Processor	Embedded Micro Processor
Operating System	Embedded Linux

Display

Viewing Area	7-in. TFT LCD, Capacitive
Resolution	800 x 400 (WVGA)
Input	Touchscreen Technology, and Mechanical Keys

Interface

Audio	Input: Omnidirectional Microphone Output: Embedded Speaker Two-way Talk
Audio Compression	G.711
Alarm Input	Eight (8) Channels
RS485	One (1) Port
Memory	Micro SD, 32 GB maximum

Network

Video Compression	H.264
Ethernet	10/100 Mbps, Self-adaptive
Network Protocol	TCP/IP
Third-party Camera Support	ONVIF H.264 Cameras, maximum resolution of 720p
Management Software	SmartPSS Device Connection - Peer-to-Peer (P2P)

Certifications

Safety	Power Supply: UL Certified
Electromagnetic Compatibility (EMC)	FCC CFR 47 Part 15 subpart B ANSI C63.4 - 2009 EN 55022:2010, EN 55024:2010, EN 50130-4:2011, EN 61000-6-3:2007, EN 61000-3-2:2006+A1:2009 EN 61000-3-3:2008, IEC 61000-4-2:2008, IEC 61000-4-3:2010, IEC 61000-4-4:2012, IEC 61000-4-5:2005, IEC 61000-4-6:2008, IEC 61000-4-8:2009, IEC 61000-4-11:2004

Electrical

Power	12 VDC Can receive power from DHI-VTNS1060A, or Use a separate 12 VDC power supply
Power Consumption	Standby: ≤ 1.5 W Operation: ≤ 7.0 W

Environmental

Operating Temperature	-10° C to +55° C (14° F to +131° F)
Operating Humidity	10% to 90%, Relative

Construction

Dimensions	200.45 mm x 136.50 mm x 22.0 mm (7.89 in. x 5.37 in. x 0.87 in.)
Net Weight	0.80 kg (1.76 lb)
Installation	Surface-mount

Outdoor Station Compatibility

The DHI-VTH1550CH Indoor Monitor can be used with the following Video Intercom Outdoor Stations:

DHI-VTO2111D-WP	Residential WiFi Outdoor Station with mobile app compatibility (Compatibility with IP only)
DHI-VTO2000A	Residential IP Outdoor Station with mobile app compatibility
DHI-VTO1210C-X	IP Residential Apartment Outdoor Station (Stainless Steel Panel)
DHI-VTO1210B-X	IP Residential Apartment Outdoor Station (Black Tempered Glass Panel)
DHI-VTO1220BW	IP Residential Apartment Outdoor Station (White Tempered Glass Panel)

Ordering Information

Type	Part Number	Description
IP Indoor Monitor	DHI-VTH1550CH	7-in. Capacitive Touchscreen IP Color Monitor, White Bezel
Accessories, optional	ADS-12AM-12 12012EPCU	12 VDC, 1 A Power Adapter for DHI-VTH1550CH
	ADS-110DL-19-1 240072E	24 VDC, 3 A Power Adapter for use with DHI-VTNS1060A
	DHI-VTNS1060A	Network Power Supply

Accessories

Optional

ADS-12AM-12 12012EPCU
12 VDC, 1 A Power Adapter
for use with DHI-VTH1550CH

ADS-110DL-19-1 240072E
24 VDC, 3 A Power Adapter
for use with DHI-VTNS1060A

DHI-VTNS1060A
Network Power Supply

Dimensions (mm/in.)

200.45 mm
(7.89 in.)

136.45 mm
(5.37 in.)

22.0 mm
(0.87 in.)

13.0 mm
(0.51 in.)