

# IP Color Indoor Monitor

## 7-inch Touchscreen



- 7-inch Capacitive Touch Screen, 800 x 480 Resolution
- Simplified Connection and Setup to Compatible Outdoor Stations
- 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 Six (6) Alarm Inputs
- Surface-mounted



### System Overview

The DHI-VTH1550CH-S 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. The DHI-VTH1550CH-S indoor monitor is used as part of a video intercom solution with compatible outdoor stations.

#### SIP Compatibility

Dahua Intercom devices are compatible with the Session Initiation Protocol version 2.0 (SIP), a signaling protocol for Internet conferencing, telephony, presence, event notification, and instant messaging. SIP is widely used to initiate and terminate Voice Over Internet Protocol (VOIP) calls, as well as connect physical devices to mobile applications. Dahua Intercom devices are ideal for single-family homes as well as large residential complexes or commercial properties.

### 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: Six (6) Channels Output: One (1) Channel
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	DSS Express/Pro

### Certifications

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
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### Electrical

Power	12 VDC Can receive power from DHI-VTNS1060A, or Use a separate 12 VDC power supply
Power Consumption	Standby: < 4 W Operation: < 6 W

### Environmental

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

### Construction

Dimensions	220.0 mm x 126.0 mm x 22.0 mm (8.66 in. x 4.96 in. x 0.87 in.)
Net Weight	0.80 kg (1.76 lb)
Installation	Surface-mount

### Outdoor Station Compatibility

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

DHI-VTO2111D-WP-S	WiFi Outdoor Station with mobile app compatibility (Compatibility with IP only)
DHI-VTO2000A-S	IP Outdoor Station with mobile app compatibility
DHI-VTO1210C-X-S	IP Outdoor Station (Stainless Steel Panel)

### Ordering Information

Type	Part Number	Description
IP Indoor Monitor	DHI-VTH1550CH-S	7-in. Capacitive Touchscreen IP Color Monitor, White Bezel
Accessories, optional	ADS-12AM-12 12012EPCU	12 VDC, 1 A Power Adapter for DHI-VTH1550CH-S
	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-S



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



DHI-VTNS1060A  
Network Power Supply

### Dimensions (mm/in.)

