

# Two-wire Color Indoor Monitor

## 7-inch Touchscreen



- 7-inch Capacitive Touch Screen, 800 x 480 Resolution
- Simplified Connection and Setup to Compatible Outdoor Stations
- Integrate with Existing Two-wire Cabling
- 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-VTH1550CHW-2 indoor monitor 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-VTH1550CHW-2 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
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	24 VDC The VTNC3000A is used to provide both network signal and power to the DHI-VTH1550CHW-2
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-VTH1550CHW-2 Indoor Monitor can be used with the following Video Intercom Outdoor Stations:

DHI-VTO2000A-2	Two-wire Residential Outdoor Station with mobile app compatibility
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### Ordering Information

Type	Part Number	Description
IP Indoor Monitor	DHI-VTH1550CHW-2	Two-wire 7-in. Capacitive Touchscreen IP Color Monitor, White Bezel
Accessories, optional	A24-3A	24 VDC, 3 A Power Adapter for use with DHI-VTNC3000A
	DHI-VTNC3000A	Two-wire Network Controller (Provides network signal and power to two-wire devices)

### Accessories

Optional



A24-3A  
24 VDC, 3 A Power Adapter  
for use with DHI-VTNC3000A



DHI-VTNC3000A  
Two-wire Network Controller

### Dimensions (mm/in.)

