WiFi Color Indoor Monitor

7-inch Touch Screen

- 7-inch Capacitive Touch Screen, 1024 x 600 Resolution
- Simplified Connection and Setup
- Supports Alarm Integration with 3rd Party Intrusion Devices
- Control Up to Two 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)
- WiFi-enabled and PoE Power Supply
- Setup and Activate up to Six Alarm Inputs and One Alarm Output
- Surface-mounted

System Overview

The DHI-VTH5221 Series 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-VTH5221 Series indoor monitors are 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. LCD, Capacitive
Resolution	1024 x 600 (WVGA)
Input	Touchscreen Display

Interface

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

Network

Video Compression	H.264
WiFi	IEEE 802.11b/g
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	UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 +A2:2013 IEC 60950-1:2005 (Second Edition); AM1:2009 +AM2:2013
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 or PoE (802.3af) Requires a separate 12 VDC power supply, or power via a PoE switch.
Power Consumption	Standby: ≤ 1 W Operation: ≤ 7 W

Environmental

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

Construction

Dimensions	215.0 mm x 140.0 mm x 21.0 mm (8.46 in. x 5.51 in. x 0.83 in.)
Net Weight	0.80 kg (1.76 lb)
Installation	Surface-mount

Outdoor Station Compatibility

The DHI-VTH5221 Series Indoor Monitors can be used with the following Video Intercom Outdoor Stations:

DHI-VTO2111D-WP	Residential WiFi Outdoor Station with mobile app compatibility
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
WiFi Monitor	DHI-VTH5221DW	7-in. Capacitive Touchscreen Color WiFi Monitor, White Bezel (Includes 4GB Micro SD Card)
	DHI-VTH5221D	7-in. Capacitive Touchscreen Color WiFi Monitor, Black Bezel (Includes 4GB Micro SD Card)
Accessories, optional	ADS-12AM-12 12012EPCU	12 VDC, 1 A Power Adapter for DHI-VTH5221D/DW
	DH-PFS3006-4ET-60	4-Port PoE Ethernet Switch
	DH-PFS3010-8ET-96	8-Port PoE Ethernet Switch

Accessories

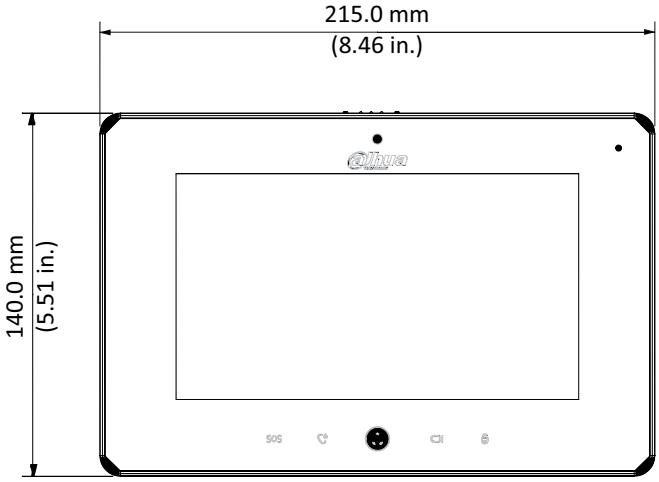
Optional

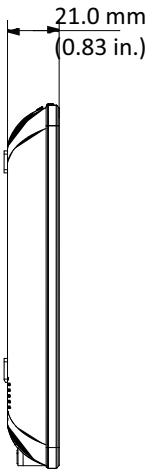
ADS-12AM-12 12012EPCU
12 VDC, 1 A Power Adapter
for use with DHI-VTH5221D/DW

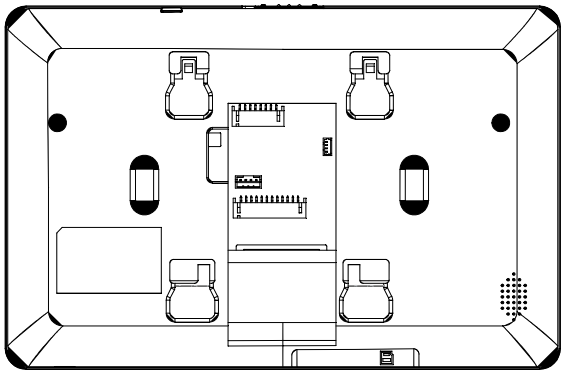
DH-PFS3006-4ET-60
4-Port PoE Ethernet Switch

DH-PFS3010-8ET-96
8-Port PoE Ethernet Switch

Dimensions (mm/in.)

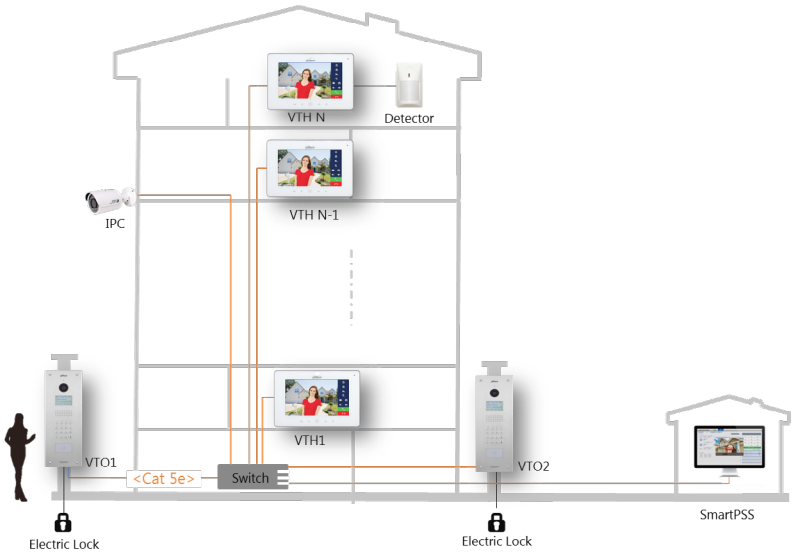




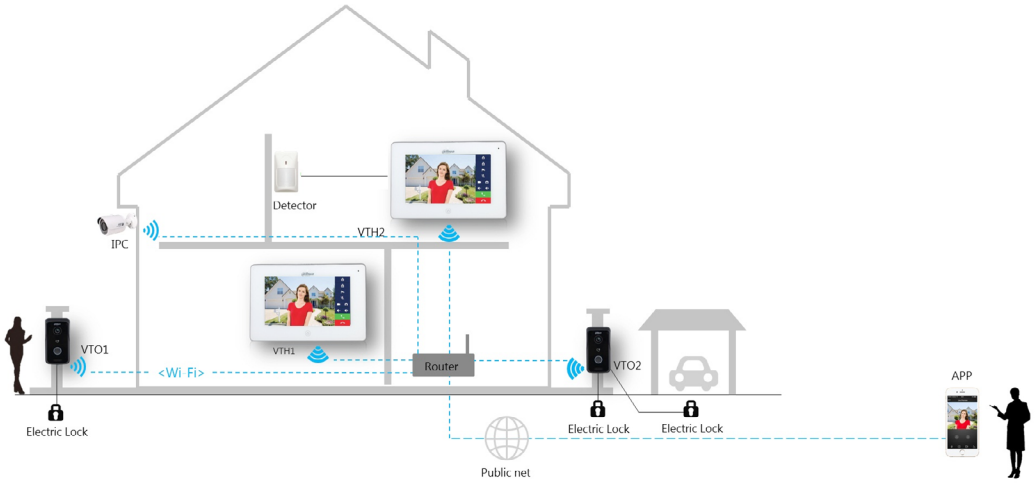


Applications

IP - Apartment Solution



WiFi - Home Solution



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