Dahua TECHNOLOGY

Two-wire IP Color Indoor Monitor
7-inch Touch Screen

- 7-inch Capacitive Touch Screen, 1024 x 600 Resolution
- Supports H.265 and H.264 Video Encoding
- Setup and Activate up to Six Alarm Inputs and One Alarm Output
- Two-wire Digital Communication and Power (via Switch)
- Compatible with Two-wire or RJ45 Interfaces
- Supports Standard PoE
- Contact Management Center with a Single Tap
- Integrated Micro SD Card Slot, maximum 64 GB
- Surface-mounted

System Overview

The DHI-VTH5422 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 DMSS mobile app. The DHI-VTH5422 Series indoor monitors are used as part of a two-wire video intercom solution with compatible outdoor stations.

Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded Linux

Display

Viewing Area	7-in. TFT Capacitive
Resolution	1024 x 600 (WVGA)
Input	Touchscreen Display

Interface

Alarm	Input: Six (6) Channels Output: One (1) Channel
Door Bell	Use an open Alarm Input Channel
RS485	One (1) Port
Memory	Micro SD Slot, 64 GB maximum

Network

Video Compression	H.265, H.264
Ethernet	One two-wire port and one 10M bps/100 Mbps Ethernet port (one of them can be selected)
Network Protocol	SIP, IPv4, RTSP, RTP, TCP, UDP

Audio

Audio Compression	G.711a, G.711Mu, G.711u, PCM
Audio	Input: Omnidirectional Microphone Output: Built-in Speaker Two-way Talk
Enhancement	Echo Suppression
Bit Rate	16 KHz, 16 Bit

Functions

Communication Mode	Full Digital, 2-wire
Information Release	• Receive and view text information from Central Station • Receive and view images (requires SD Card)
Leave Videos	Review video of a visitor leaving (requires SD Card)
DND Mode	Set Period and Mode
Extensions	• House: Three (3) • Apartment: Three (3)
Storage	Micro SD Card slot (up to 64 GB)

Electrical

Power	• DHI-VTNS2003B-2, Dahua Two-wire Switch (maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0)
Power Consumption	Standby: ≤ 2 W Operation: ≤ 6 W
Power Output	12 VDC, 100 mA

Environmental

Operating Temperature	−10° C to +55° C (14° F to +131° F)
Operating Humidity	20% to 93%, non-condensing

Construction

Material	PC and ABS
Color	Black or White Bezel
Dimensions	189.0 mm x 130.0 mm x 26.90 mm (7.44 in. x 5.12 in. x 1.06 in.)
Net Weight	0.39 kg (0.86 lb)
Gross Weight	0.74 kg (1.63 lb)
Installation	Surface-mount

Ordering Information

Digital Indoor Monitor	DHI-VTH5422HW	Two-wire and IP Digital Indoor Monitor, White Bezel
Accessories, optional	DHI-VTNS2003B-2	Two-wire Power Supply Switch (requires either the ADS-65LSI-52-1 48060G VI or the EDP-240-48 power adapter)
Accessories, included	Surface Mount Bracket Alarm Ribbon Cable	

Dimensions (mm/in.)

189.0 mm
(7.44 in.)

26.90 mm
(1.06 in.)

130.0 mm
(5.12 in.)