Dahua TECHNOLOGY

Two-wire and IP Outdoor Station

- 2 MP Wide-angle CMOS Sensor
- Compatible with Two-wire or RJ45 Interface
- Built-in Microphone with Two-way Talk
- Provides an Audible Alarm if Removed from the Wall
- Records Call Sessions from the Indoor Monitor
- Easily Leave and Retrieve Audio and Video Messages
- View and Talk with Visitors and Remotely Unlock Doors Using the DMSS App
- Anodized Aluminum Panel can be Surface- or Flush-mounted
- IP65 Ingress Protection and IK07 Vandal Resistance

System Overview

The DHI-VTO2202F-P-S2 enables tenants to view and talk with visitors and remotely unlock doors all from an intuitive mobile app and an interior color monitor. Each IP outdoor station includes a 2 MP wide-angle camera with manual rear pivot, two-way talk and enables remote functions such as snapshot when ringing and video and audio message retrieval. The IP outdoor station is designed for single-tenant residential applications.

Technical Specification

System

Main Processor	Embedded Micro Processor
Operating System	Embedded Linux
Input	Mechanical Button
Indicator Lights	Incoming Call, Outgoing Call, Lock

Video

Video Compression	H.265, H.264
Image Sensor	1/2.5-in. 2 MP CMOS Sensor
Lens	1.9 mm
Angle of View	Horizontal: 168.6° Vertical: 87.1° Diagonal: 176.7°
Day/Night	Auto (ICR)
Dynamic Range	120 dB
Noise Reduction	3D DNR
Resolution	Main Stream: 720p at 30 fps Sub Stream: 1080p at 30 fps
Bit Rate	256 Kbps to 4 Mbps

Audio

Compression	G.711
Input	Omnidirectional Microphone
Output	Built-in Speaker
Bi-directional Talk	Supports Dual-way Bi-directional Talk
Enhancement	Echo Suppression, Digital Noise Reduction
Bit Rate	16 KHz, 16 Bit

Interface

Door Control	• One (1) Electric Lock • One (1) Exit Button • One (1) Lock Control • One (1) Door Status Detection
Alarm Output	One (1) Channel

Network

Ethernet	One (1) RJ45 10/100 Mbps
Network Protocol	SIP; P2P; IPv4; UPnP; SNMP; DNS; DDNS; RTSP; RTP; TCP; UDP
Interoperability	CGI

Certifications

Safety	UL 62368-1, IEC 62368-1:2014, EN 62368-1:2014 + A11:2017 CAN/CSA C22.2 No. 62368-1-14
Electromagnetic Compatibility (EMC)	CFR 47 FCC Part 15 subpart B, 2018 EN 55032:2015; EN 61000, 3 2:2014; EN 61000 3 3:2013; EN 55024:2010/A1:2015; EN 55035:2017; EN 50130 4:2011/A1:2014

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	≤ 12 W

Environmental

Operating Temperature	−30° C to +60° C (−22° F to +140° F)
Operating Humidity	10% to 90%, Relative
Operating Altitude	0 m to 3000.0 m (0 ft to 9842.52 ft)
Ingress Protection	IP65
Vandal Resistance	IK07

Construction

Material	Anodized Aluminum
Dimensions	130.0 mm x 96.0 mm x 28.50 mm (5.12 in. x 3.78 in. x 1.12 in.)
Net Weight	0.35 kg (0.77 lb)
Gross Weight	0.40 kg (0.88 lb)
Installation	Surface- or Flush-mount

Ordering Information

Type	Part Number	Description
Intercom	DHI-VTO2202F-P-S2	Two-wire and IP Outdoor Station
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)
	DHI-VTH5422HW	Two-wire and IP Indoor Monitor, White Bezel
	VTM114	Flush-mount Box
	VTM115	Surface-mount Box
	DMSS App	Available from the Apple App Store or the Google Play Store

Accessories

DHI-VTH5422HW
Color Indoor Monitor

VTM114
Flush-mount Box

VTM115
Surface-mount Box

DMSS
Mobile Application

Dimensions (mm/in.)

130.0 mm (5.12 in.)

96.0 mm (3.78 in.)

28.50 mm (1.12 in.)