Wi-Fi Outdoor Station

- 2 MP Wide-angle CMOS Sensor
- Wireless 2.4 GHz
- Built-in Microphone with Two-way Talk
- Provides an Audible Alarm if Removed from the Wall
- Easily Leave and Retrieve Audio and Video Messages
- View and Talk with Visitors and Remotely Unlock Doors Using the DMSS App
- Supports Wireless Network Integration and PoE
- IP65 Ingress Protection

System Overview

The DHI-VTO2211G-WP 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, 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 Processor
Operating System	Embedded Linux
Input	Mechanical Call Button

Video

Video Compression	H.264
Image Sensor	1/2.8-in. 2 MP CMOS Sensor
Lens	2.1 mm
Angle of View	Horizontal: 125° Vertical: 72° Diagonal: 142°
Day/Night	Auto (ICR), Auto IR
Dynamic Range	True Wide Dynamic Range (120 dB)
Noise Reduction	3D DNR
Resolution	Main Stream: WVGA, 720p, D1 at 30 fps Sub Stream: CIF, WVGA, QVGA, 1080p, D1 at 30 fps
Bit Rate	256 Kbps to 4 Mbps

Audio

Compression	G.711Mu, G.711u, PCM
Input	Omnidirectional Microphone
Output	Built-in Speaker
Bi-directional Talk	Supports 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 (NC by default) • One (1) Door Status Detection
Alarm	Input: One (1) Channel Output: One (1) Channel
RS485	One (1) Port

Network

Ethernet	One (1) RJ45 10/100 Mbps
Network Protocol	SIP; P2P; IPv4; DNS; RTSP; RTP; TCP; UDP
Interoperability	ONVIF
WiFi Standard	IEEE802.11b/802.11g/802.11n
Wireless Frequency Range	2.4 GHz

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, 2019 ANSI C63.4 2014 EN 55032:2015, EN 61000 3 2:2019, EN 61000 3 3:2013+A1:2019, EN 50130 4:2011/A1:2014, EN 55024:2010/A1:2015, EN 55035:2017

Functions

Communication Mode	Full Digital
Unlock Modes	Card, DMSS App, Remote from Indoor Monitor
Card Parameters	
Type	IC Card
Reading Distance	30.0 mm to 50.0 mm (1.18 in. to 1.97 in.)
Capacity	10,000
Advanced Features	• Auto Snapshot (enabled via indoor monitor) • Record Videos (requires an SD card in the indoor monitor)

Electrical

Power Input	12 VDC, 1 A or PoE (IEEE 802.3af Class 0)
Power Consumption	Standby: ≤ 1 W Working: ≤ 7 W
Power Output	12 VDC, 200 mA

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 (silicone sealant required)
Installation	Surface-mount

Construction

Material	PC and Acrylic
Dimensions	150.0 mm x 100.0 mm x 24.80 mm (5.91 in. x 3.94 in. x 0.98 in.)
Gross Weight	0.49 kg (1.08 lb)

Ordering Information

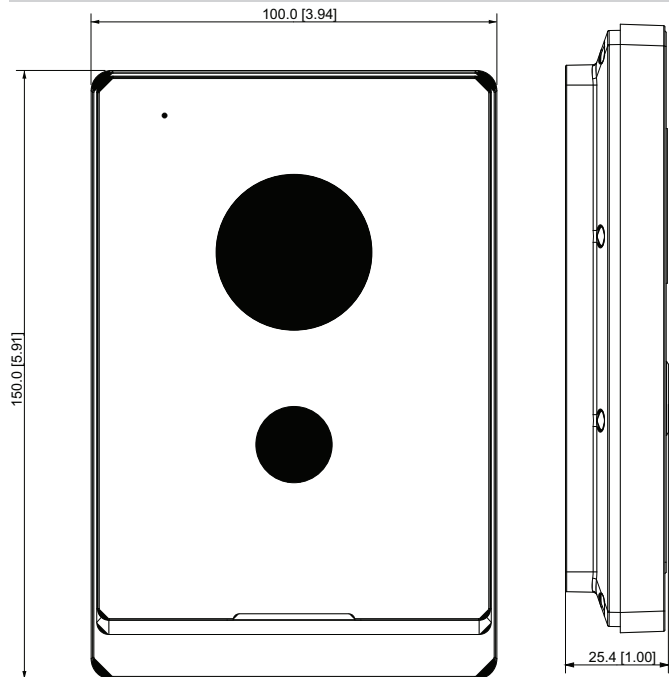| Type	Part Number	Description
Intercom	DHI-VTO2211G-WP	2 MP IP Wi-Fi Outdoor Station
Accessories, optional	DHI-VTH2421FW-P	IP Color Indoor Monitor
	DHI-VTH5422HW	Two-wire and IP Indoor Monitor, White Bezel
	DMSS App	Available from the Apple App Store or the Google Play Store

Accessories

DHI-VTH2421FW-P
IP Color Indoor Monitor

DHI-VTH5422HW
Color Indoor Monitor

DMSS
Mobile Application

Dimensions (mm/in.)

100.0 [3.94]

150.0 [5.91]

25.4 [1.00]

Rear Panel