

# Two-wire and IP Outdoor Station



### **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		

### • 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

Interface				
Door Control	<ul> <li>One (1) Electric Lock</li> <li>One (1) Exit Button</li> <li>One (1) Lock Control</li> <li>One (1) Door Status Detection</li> </ul>			
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	<ul> <li>DHI-VTNS2003B-2, Dahua Two-wire Switch (maximum power supply distance 50.0 m [164.04 ft])</li> <li>PoE (IEEE802.3af, Class 0)</li> </ul>			
Power Power Consumption	(maximum power supply distance 50.0 m [164.04 ft])			
	(maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0)			
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Power Consumption Environmental	<ul> <li>(maximum power supply distance 50.0 m [164.04 ft])</li> <li>PoE (IEEE802.3af, Class 0)</li> <li>≤ 12 W</li> </ul>			
Power Consumption Environmental Operating Temperature	(maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0) ≤ 12 W -30° C to +60° C (-22° F to +140° F)			
Power Consumption Environmental Operating Temperature Operating Humidity	(maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0) ≤ 12 W -30° C to +60° C (-22° F to +140° F) 10% to 90%, Relative			
Power Consumption Environmental Operating Temperature Operating Humidity Operating Altitude	(maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0) ≤ 12 W -30° C to +60° C (-22° F to +140° F) 10% to 90%, Relative 0 m to 3000.0 m (0 ft to 9842.52 ft)			
Power Consumption Environmental Operating Temperature Operating Humidity Operating Altitude Ingress Protection	(maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0) ≤ 12 W -30° C to +60° C (-22° F to +140° F) 10% to 90%, Relative 0 m to 3000.0 m (0 ft to 9842.52 ft) IP65			
Power Consumption Environmental Operating Temperature Operating Humidity Operating Altitude Ingress Protection Vandal Resistance	(maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0) ≤ 12 W -30° C to +60° C (-22° F to +140° F) 10% to 90%, Relative 0 m to 3000.0 m (0 ft to 9842.52 ft) IP65			
Power Consumption Environmental Operating Temperature Operating Humidity Operating Altitude Ingress Protection Vandal Resistance Construction	(maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0) ≤ 12 W -30° C to +60° C (-22° F to +140° F) 10% to 90%, Relative 0 m to 3000.0 m (0 ft to 9842.52 ft) IP65 IK07			
Power Consumption Environmental Operating Temperature Operating Humidity Operating Altitude Ingress Protection Vandal Resistance Construction Material	(maximum power supply distance 50.0 m [164.04 ft]) • PoE (IEEE802.3af, Class 0) ≤ 12 W -30° C to +60° C (-22° F to +140° F) 10% to 90%, Relative 0 m to 3000.0 m (0 ft to 9842.52 ft) IP65 IK07 Anodized Aluminum 130.0 mm x 96.0 mm x 28.50 mm			
Power Consumption Environmental Operating Temperature Operating Humidity Operating Altitude Ingress Protection Vandal Resistance Construction Material Dimensions	(maximum power supply distance 50.0 m [164.04 ft]) POE (IEEE802.3af, Class 0) ≤ 12 W -30° C to +60° C (-22° F to +140° F) 10% to 90%, Relative 0 m to 3000.0 m (0 ft to 9842.52 ft) IP65 IK07 Anodized Aluminum 130.0 mm x 96.0 mm x 28.50 mm (5.12 in. x 3.78 in. x 1.12 in.)			

# Intercom | DHI-VTO2202F-P-S2

Ordering Information		
Туре	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







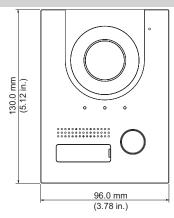


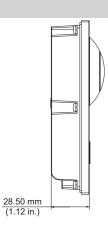
DHI-VTH5422HW VTM114 Color Indoor Monitor Flush-mount Box

VTM115 Surface-mount Box

#### DMSS Mobile Application

### Dimensions (mm/in.)





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