

IP Residential Outdoor Station



- 1.3 MP Wide Angle Pivoting Camera with Night Vision
- 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 iDMSS/DMSS App
- Stainless Steel Panel can be Surface- or Flush-mounted
- Simplified Setup with QR Code Device Scan
- Connect Outdoor Stations to an NVR for 24-hour Local Recording
- IP54 Ingress Protection and IK07 Vandal Resistance

System Overview

The DHI-VTO2000A enables tenants to view and talk with visitors and remotely unlock doors all from an intuitive mobile app and an interior color indoor monitor. Each IP outdoor station includes a 1.3 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

Operation

Input	Single Mechanical Button
Door Lock	Status Check Support (optional)

Video

Video Compression	H.264
Image Sensor	1/3-in. 1.3 MP CMOS Sensor
Lens	2.8 mm
Angle of View	Horizontal: 90° Vertical: 120°
Day/Night	ICR

Interface

Audio	Input: Omnidirectional Microphone Output: Built-in Speaker Two-way Talk
Audio Compression	G.711
Door Control	Two (2) Channels: • One (1) Relay Out for Main Lock • One (1) Channel Extended by Access Control Module
Alarm Input	Two (2) Channels: • One (1) Channel, Unlock Button • One (1) Channel, Feedback
RS485	One (1) Port
Tamper Switch	One (1)



Network

Ethernet	10/100 Mbps, Self-adaptive
Network Protocol	TCP/IP

Certifications

Safety	Power Supply: UL Certified
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 Can receive power from DHI-VTNS10160A, or Use a separate 12 VDC power supply
Power Consumption	Standby: ≤ 1 W Operation: ≤ 10 W

Environmental

Operating Temperature	-40° C to +60° C (-40° F to +140° F)
Operating Humidity	10% to 90%, Relative
Ingress Protection	IP54
Vandal Resistance	IK07

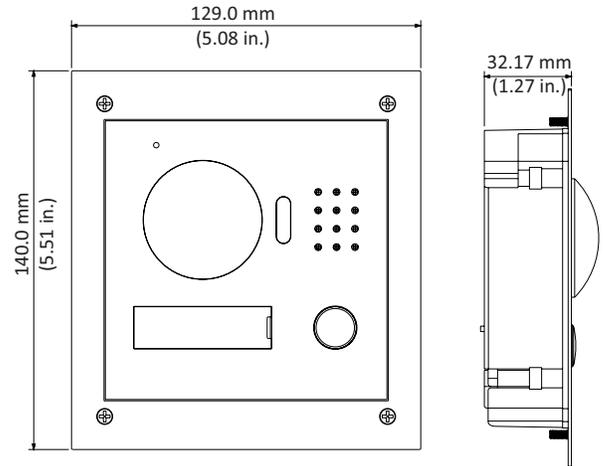
Construction

Material	Stainless Steel
Dimensions	129.0 mm x 32.17 mm x 140.0 mm (5.08 in. x 1.27 in. x 5.51 in.)
Net Weight	0.80 kg (1.76 lb)
Installation	Surface- or Flush-mount

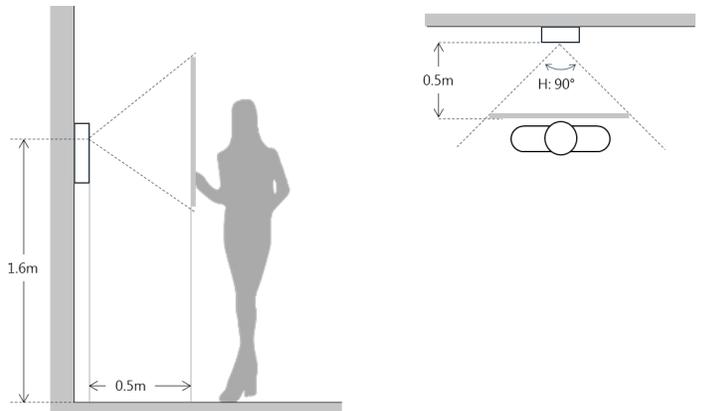
Ordering Information

Type	Part Number	Description
Intercom	DHI-VTO2000A	IP Residential Outdoor Station
Accessories, optional	DHI-VTH1550CH	Color Indoor Monitor, 7-in. Display
	DHI-VTH1660CH	Color Indoor Monitor, 10.2-in. Display
	DHI-VTNS1060A	Network Power Supply
	ADS-110DL-19-1 240072E	24 VDC, 3 A Power Adapter for use with DHI-VTNS1060A
	ADS-12AM-12 12012EPCU	12 VDC, 1 A Power Adapter for use with DHI-VTO2000A
	VTOB107	Flush-mount Box, plastic
	VTOB108	Surface-mount Box, metal
	iDMSS/DMSS App	Available from the Apple App Store or the Google Play Store
Recommended NVR	N52B2P	4K 1U 8CH NVR

Dimensions (mm/in.)



View Area



Accessories



DHI-VTH1550CH
7-in. Color Indoor Monitor



DHI-VTH1660CH
10.2-in. Color Indoor Monitor



DHI-VTNS1060A
Network Power Supply



ADS-110DL-19-1 240072E
24 VDC, 3 A Power Adapter
for use with DHI-VTNS1060A



ADS-12AM-12 12012EPCU
12 VDC, 1 A Power Adapter
for use with DHI-VTO2000A



VTOB107
Flush-mount Box



VTOB108
Surface-mount Box



iDMSS/DMSS
Mobile Application