DAHUA TECHNOLOGY

IP Outdoor Station

- 1.3 MP Wide Angle Camera with Night Vision
- Built-in Microphone with Two-way Talk
- Connect Outdoor Stations to an NVR to Record Call Sessions from the Indoor Monitor
- Performs Door Unlock by Card
- Supports Secure Password Entry
- Stainless Steel Panel can be Surface- or Flush-mounted
- IP54 Ingress Protection and IK07 Vandal Resistance

System Overview

The DHI-VTO1210C-X-S Outdoor Station enables tenants to view and talk with visitors and remotely unlock doors from an in-unit color indoor monitor. Each outdoor station includes a built-in 13.56 MHz MIFARE® card access reader to allow tenants to securely gain access through exterior doors. The outdoor station is designed for multi-tenant applications up to 200 units.

SIP Compatibility

Dahua Intercom devices are compatible with the Session Initiation Protocol version 2.0 (SIP), a signaling protocol for Internet conferencing, telephony, presence, event notification, and instant messaging. SIP is widely used to initiate and terminate Voice Over Internet Protocol (VOIP) calls, as well as connect physical devices to mobile applications. Dahua Intercom devices are ideal for single-family homes as well as large residential complexes or commercial properties.

Technical Specification

System

Main Processor	Embedded Micro Processor
Operating System	Embedded Linux

Video

Image Sensor	1/2.7-in. 1.3 MP CMOS Sensor
Lens	4 mm
Angle of View	Horizontal: 75° Vertical: 95°
Day/Night	Color Image

Audio

Input	Omnidirectional Microphone
Output	Built-in Speaker
Bi-directional Talk	Support for Dual-way Bi-directional Talk

Display

LCD Dimensions	3-in. STN Screen
Resolution	128 x 64

Operation

Input	Mechanical Buttons
Reader	MIFARE® Card
Detection Distance	0.60 m (1.97 ft)

Interface

Door Control	One (1)
Alarm	Two (2) Channels: • One (1) Channel, Unlock Button • One (1) Channel, Feedback
RS485	One (1) Port

Network

Ethernet	10/100 Mbps
Network Protocol	TCP/IP
Video Compression	H.264
Audio Compression	G.711

Certifications

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 Requires 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 95%, Relative
Ingress Protection	IP54
Vandal Resistance	IK07

Construction

Material	Stainless Steel
Dimensions	406.0 mm x 143.0 mm x 42.0 mm (16.0 in. x 5.63 in. x 1.65 in.)
Net Weight	1.60 kg (3.53 lb)
Installation	Surface- or Flush-mount

Ordering Information

Type	Part Number	Description
Intercom	DHI-VTO1210C-X-S	IP Outdoor Station
Accessories, optional	IC-S50	MIFARE® S50, 13.56 MHz IC Card
	IC-SM	MIFARE® S50, 13.56 MHz IC Key Fob
	DHI-VTH1550CH-S	Color Indoor Monitor, 7-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-VTO1210C-X-S
	VTOB103	Flush-mount Box, plastic
	VTOB110	Surface-mount Box, metal

Accessories

IC-S50 MIFARE® Cards — IC-SM MIFARE® Key Fob — DHI-VTH1550CH-S 7-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-VTO1210B-X
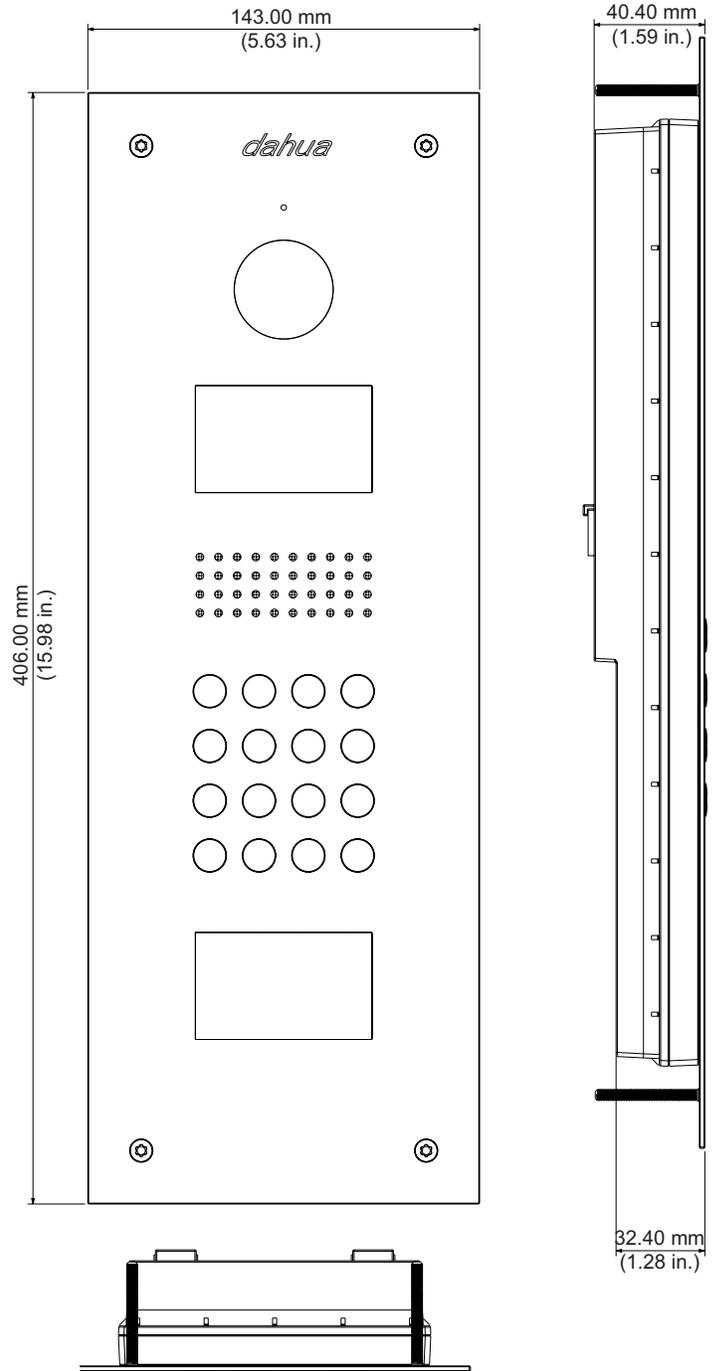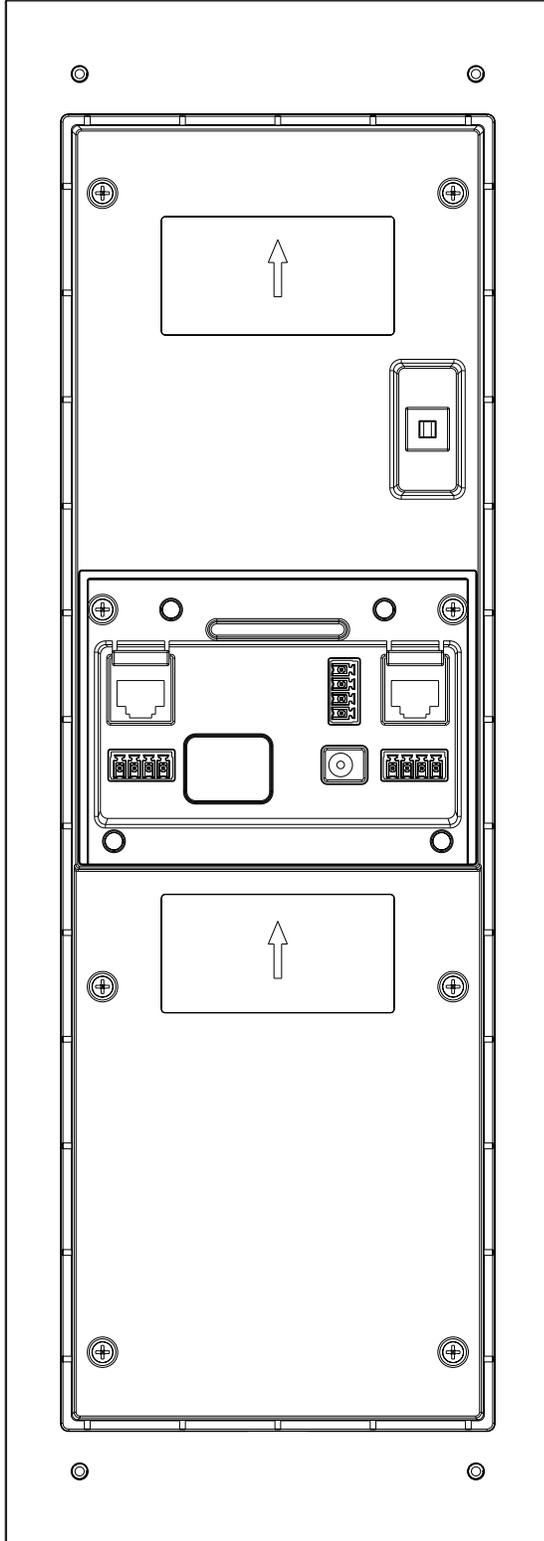
VTOB103 Flush-mount Box — VTOB110 Surface-mount Box

Dimensions (mm/in.)

143.00 mm (5.63 in.) — 40.40 mm (1.59 in.) — 406.00 mm (15.98 in.) — 32.40 mm (1.28 in.)

Rear Panel

View Area

1.6m

0.5m

0.5m

H: 75°