IP Residential Apartment Outdoor Station

- 1.3 MP Wide Angle Camera with Night Vision
- 3.5-in. TFT LCD Display Screen
- Built-in Microphone with Two-way Talk
- Records Call Sessions from the Indoor Monitor
- Performs Door Unlock by Card or Remotely Using SmartPSS
- Supports Secure Password Entry
- Tempered Glass Panel can be Flush-mounted
- IP65 Ingress Protection

System Overview

The DHI-VTO1220BW 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 apartment applications up to 200 units.

Technical Specification

System

Main Processor	Embedded Micro Processor
Operating System	Embedded Linux

Video

Image Sensor	1/3-in. 1.3 MP CMOS
Lens	3.6 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	3.5-in. TFT Screen
Resolution	320 x 240

Operation

Input	Keypad Touch Buttons
Reader	MIFARE Card
Detection Distance	1 m (3.28 ft)

Interface

Door Control	One (1)
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
Video Compression	H.264
Audio Compression	G.711

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 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 90%, Relative
Ingress Protection	IP65

Construction

Material	Tempered Glass
Dimensions	150.0 mm x 408.0 mm x 46.40 mm (5.91 in. x 16.06 in. x 1.83 in.)
Net Weight	1.60 kg (3.53 lb)
Installation	Flush-mount

Ordering Information

Type	Part Number	Description
Outdoor Station	DHI-VTO1220BW	Residential Apartment Outdoor Station
Accessories, optional	IC-S50	MIFARE® S50, 13.56 MHz IC Card
	IC-SM	MIFARE® SM, 13.56 MHz IC Key Fob
	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-VTO1220BW
	VTOB102	Flush-mount Box, plastic
Recommended NVRS	N52B2P	4K 1U 8CH NVR
	DHI-NVR6A08-32-4KS2	4K 1U 32CH NVR

Accessories

Optional

IC-S50 MIFARE® Cards
IC-SM MIFARE® Key Fob
DHI-VTH1550CH 7-in. Color Indoor Monitor
DHI-VTNS1060A Network Power Supply
DHI-VTH1660CH 10.2-in. Color Indoor Monitor
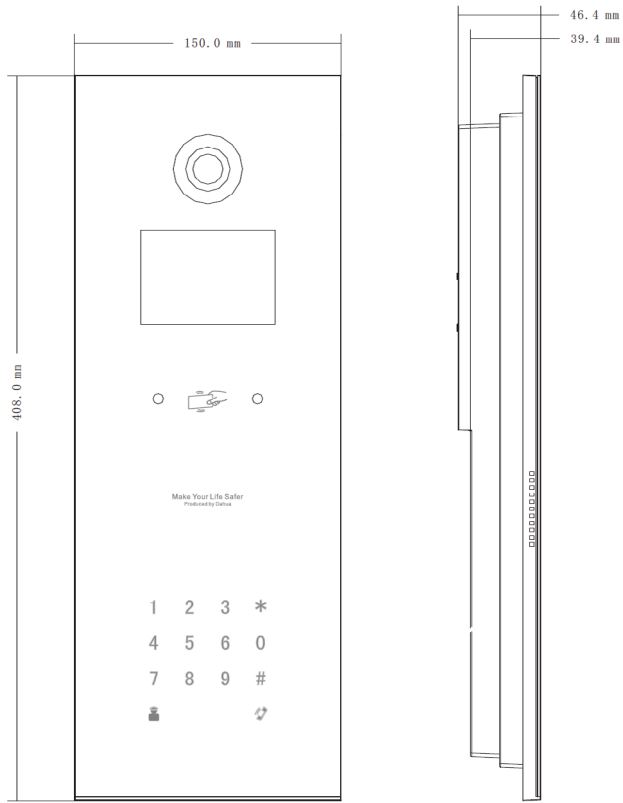VTOB102 Flush-mount Box
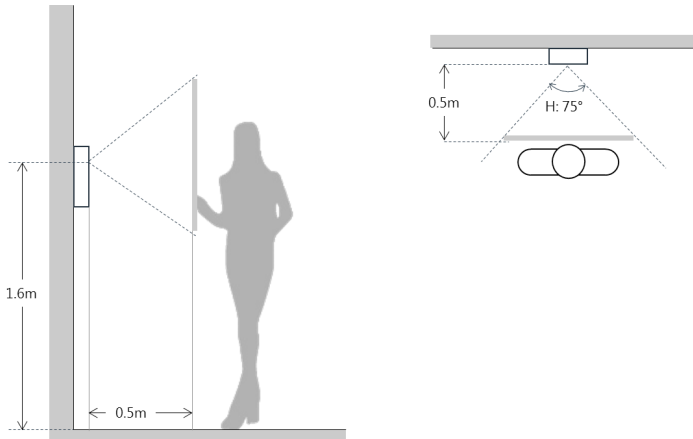ADS-110DL-19-1 240072E 24 VDC, 3 A Power Adapter for use with DHI-VTNS1060A
ADS-12AM-12 12012EPCU 12 VDC, 1 A Power Adapter for use with DHI-VTO1220BW

Dimensions (mm/in.)

View Area

Rear Panel