Ultra Slim PoE WiFi Door Station

- 1/2.8-in. 2MP CMOS Sensor
- Built-in Microphone and Speaker for Two-way Audio Communication
- H.264 and H.265 Video Compression
- Powered Using Standard PoE
- IC Card Unlock Ability
- IP65 Protection Rating

System Overview

Enhance your building's security with our upcoming WiFi IP Door Station: the DHI-VTO2311R-WP. This cutting-edge IP WiFi video intercom system distinguishes itself from previous iterations of VTOs with its ultra slim form factor and enhanced functionality. It features a high-resolution 2MP camera and two-way audio communication, an IP65 ingress protection rating, and an integrated IC card reader to ensure that it works in all weather conditions and for any situation.

Technical Specification

System

Main Processor	Embedded Processor
Button Type	Mechanical
Interoperability	ONVIF, CGI
Network Protocol	RTSP, DNS, P2P, UPnP, RTP, RTMP, SIP, SSH, HTTP/HTTPS, ONVIF

Camera

Image Sensor		1/2.8-in. CMOS
Effective Pixels		2MP
Field of View	Horizontal	110°
	Vertical	62°
	Diagonal	133°
BLC Mode		True WDR (120 dB)
Noise Reduction		2DNR, 3DNR
Video Compression		H.264, H.265
Video Resolution	Main Stream	720p, WVGA, D1, and CIF
	Sub Stream	1080p, WVGA, D1, QVGA, and CIF
Video Frame Rate		NTSC: 30 fps
Video Bit Rate		768 Kbps to 8 Mbps
Light Compensation		Auto IR
Day/Night		Auto (ICR), Color, B/W

Audio

Compression	G.711a, G.711u, PCM
Mode	Two-way Audio
Enhancement	Echo Suppression, Digital Noise Reduction
Bit Rate	16 kHz, 16 bit

Function

Communication Mode	Full Digital
Unlock Mode	Card, Application, Indoor Monitor
Card Type	IC Card
Auto Snapshot	Supported with SD Card
Leave Videos	Supported with SD Card
Web Configuration	Supported
WiFi	Supported
Wireless Standard	IEEE 802.11b, IEEE 802.11g, IEEE 802.11n
Wireless Frequency Range	2.4 GHz
Storage	MicroSD Card (Max. 256 GB)

Performance

Card Reading Distance	0 cm to 3 cm (0 in. to 1.18 in.)
Issue Card Locally	Supported
Card Capacity	3,000
Tamper Alarm	Supported

Interface

Audio	Input	One (1) Port
	Output	Built-in Speaker
Exit Button		One (1) Port
Door Status Detection		One (1) Port
Lock Control		One (1) Port
Network Port		One (1) RJ-45 10/100 Mbps Ethernet Port

Electrical

Power Supply	12–33 VDC, 1 A ; Standard PoE
Power Adapter	Optional
Power Consumption	≤ 3.5 W (standby), ≤ 6 W (working)

Construction

Casing	PC + ABS
Installation	Surface Mount
Protection	IP65
Product Dimensions	160 mm × 50 mm × 30 mm (6.30 in. × 1.97 in. × 1.18 in.)
Operating Temperature	–40 °C to +60 °C (–40 °F to +140 °F)

Operating Humidity	10% to 90% (RH), non-condensing
Opearting Altitude	0 m to 3000 m (0 ft to 9842.52 ft)
Gross Weight	0.4 kg (0.88 lb)
Net Weight	0.18 kg (0.40 lb)

Certifications

CE	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-3 V2.1.1 EN 61000-3-3:2013+A1:2019
FCC	CFR 47 FCC Part 15 Subpart B and Subpart C ANSI C63.4-2014 EN 61000-3-3:2013+A1:2019

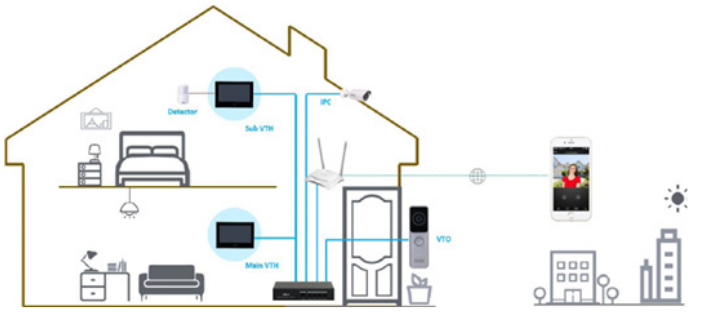
Ordering Information

Type	Part Number	Description
Intercom	DHI-VTO2311R-WP	Dahua Linux WiFi PoE Villa Door Station

Package Contents

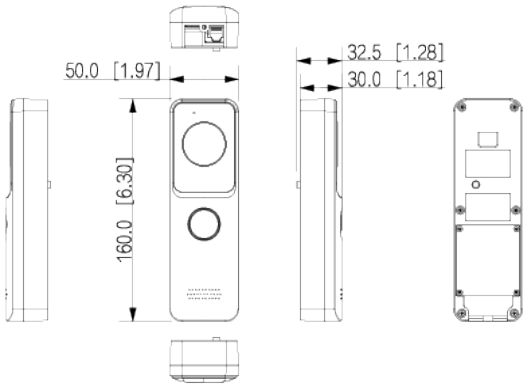
- 1 x Door Station
- 1 x Alarm Power Ribbon Cable
- 1 x Rain Cover

Application



Dimensions

mm [in.]



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