DHI-VTO9541D-S3

IP Face Recognition Apartment Door Station

Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded Linux OS
Button Type	Touch button
Interoperability	CGI;ONVIF
Network Protocol	UDP;TCP;FTP;IPv6;IPv4;RTSP;SIP;RTP

Basic

Screen Type	Capacitive Touchscreen
Display Screen	10.1-inch display screen
Screen Resolution	1280 × 800
Camera	1/2.8" 2MP CMOS high-definition, low illumination, dual cameras
Field of View	H: 95°; V: 50°; D: 110°
WDR	120 dB
Noise Reduction	3D NR
Video Compression	H.264; H265
Video Resolution	Main stream: 720p/VGA/D1; Sub stream: 1080p/720p/VGA/QVGA/D1/CIF
Video Frame Rate	25 fps
Video Bit Rate	1,024 kbps–8,192 kbps
Light Compensation	Auto white light
Audio Compression	G.711a; G.711u; PCM
Audio Input	1 channel
Audio Output	Built-in speaker

- 10.1" HD IPS with a resolution of 800 × 1280.
- Supports 2MP HD dual-lens camera and true WDR.
- Provides 12 VDC, 500 mA power for the extension module or card reader.
- IP65 rated.
- Supports 200,000 users, 100,000 faces, 100,000 passwords, 100,000 cards 10,000 fingerprints.
- Supports remote unlock and other unlock methods such as face, IC card, password, and QR code(supported by DSS).
- Recognizes face masks and faces with masks on.
- Supports Liveness detection
- Supports lock control.
- Receive and view text and image information released by the management center.
- Offers multiple types of alarms such as duress, tamper, emergency and alarms from door detectors.
- Supports leaving audio and video messages when no one responds through the indoor monitor. (an SD card is required)
- Compatible with multiple platforms such as DSS PRO, SmartPSS lite and DMSS.

Audio Mode	Two-way audio
Audio Enhancement	Echo suppression/digital noise reduction
Audio Bit Rate	16 kHz, 16 bit

Function

Communication Mode	Full digital
Verification Method	Fingerprint;Remote;Face Recognition;Card;Password
Auto Snapshot	Yes
Information Release	Receive and view text and image information released by the management center.
Leave Videos	Yes (SD card is inserted in the indoor monitor or door station)
Storage	Supports Micro SD card (up to 512 GB)
Web Configuration	Yes
Auto Registration	Yes

RFID

Card Type	IC card

Performance

Card Reading Distance	0 cm–5 cm
Issue Card Locally	Yes
Face Recognition Height Range	1.1 m–2.2 m (3.61 ft–7.22 ft)
Face Recognition Distance	0.3 m–2.0 m (0.98 ft–6.56 ft)
Face Recognition Accuracy	99.9%
Face Recognition Time	0.2 sec
Fingerprint Sensor Type	Capacitive
Fingerprint Comparison Time	1.5 sec
Fingerprint Recognition Time	1 sec
Casing Material	Tempered glass;Metal

Capacity

Card Capacity	100,000
Face Image Capacity	100,000
Fingerprint Capacity	10,000

Port

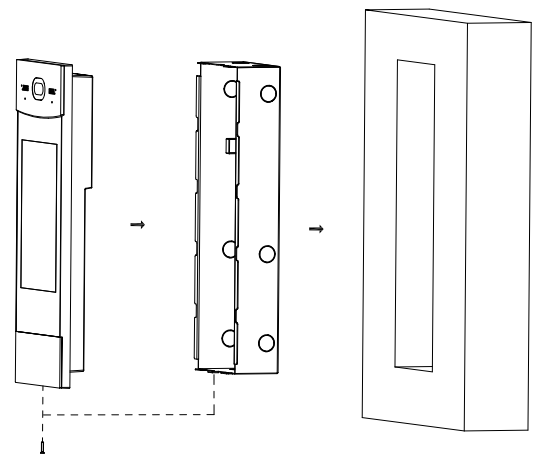|	
RS-485	1
Wiegand	1 (they can be set as an input or output port)
Alarm Input	2 channels
Alarm Output	2 channels
Power Output	1 port (12 V, 500 mA)
Door Bell	Yes, reuse the alarm input port 1
Exit Button	1 channel
Door Status Detection	1 channel
Lock Control	1 channel, open by default
Network Port	1 × RJ-45, 10 Mbps/100 Mbps Ethernet port

General

Unlock Password Mode	User, public and duress passwords
Appearance Color	Silver
Power Supply	12 VDC, 3 A; Standard PoE
Power Adapter	Optional
Installation	Flush Mount
Certifications	CE
Accessory	Power supply (optional); Flush mount box (optional)
Product Dimensions	175.3 mm × 476.3 mm × 57.6 mm (6.90" × 18.75" × 2.27")
Protection	IP65 rated (Silicone sealant is required. See the quick start guide for more information).
Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)

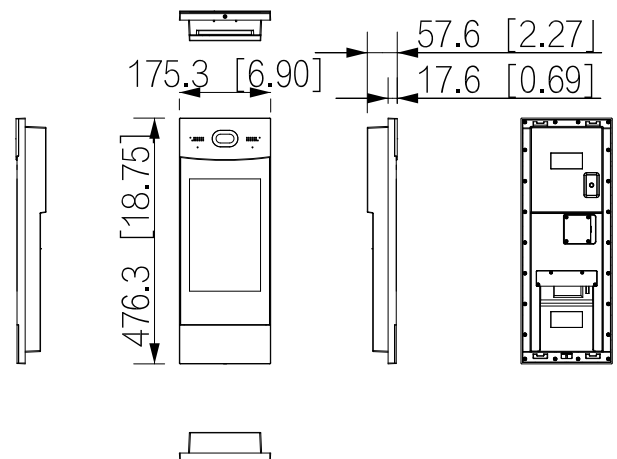|	
Operating Humidity	10%–90% (RH), non-condensing
Operating Environment	Indoor;Outdoor
Operating Altitude	0 m–3,00O m (0 ft–9842.52 ft)
Power Consumption	≤5 W (standby), ≤12 W (working)
Gross Weight	2.5 kg (5.51 lb)
Storage Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Humidity	30%–75% (RH)

Ordering Information

Type	Model	Description
Door Station	DHI-VTO9541D-S3	IP Face Recognition Apartment Door Station
Accessories	VTOB119	Flush Mounted Box

Installation

Dimensions (mm[inch])

Application