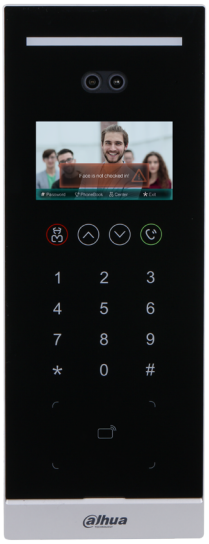
DHI-VTO6531H

Face Recognition Door Station



- 4.3 inch IPS display; screen resolution 800×480
- 2MP CMOS; true WDR
- Face-camera distance: 0.3 m–2 m; human height: 1.1 m–2.4 m (lens-ground distance: 1.4 m)
- Touch button; IP65
- Operating temperature: -30°C to +60°C
- Auto light illumination reduces light pollution
- Multiple unlock modes: Password unlock, IC card unlock, remote unlock and face unlock
- Support 20, 000 users, 10,000 face images, and 10, 000 cards
- Face recognition speed: 0.2 second per person
- Support liveness detection
- Support full duplex; management platform, and voice call through APP
- Support SIP server, and can manage 200 indoor monitors at most
- Support duress alarm, tamper alarm, and door sensor timeout alarm
- Various unlock status display modes protect user privacy

Technical Specification

System

Main Processor	Embedded processor
Operating System	Embedded Linux operating system
Button Type	Touch button
Network Protocol	SIP; P2P; IPv4; FTP; UPnP; DNS; DDNS; RTSP; RTP; TCP; UDP
ROM	4GB
RAM	1GB

Basic

Display Screen	4.3 inch IPS screen
Resolution	800×480
Camera	1/2.7" 2MP CMOS high definition, low illumination, white illuminator and IR illuminator
Field of View	Horizontal: 87.42°; vertical: 46.48 °; diagonal: 104.13°
Focal Length	4.0 mm
Aperture	F1.6
WDR	120dB
Noise Reduction	3D noise reduction
Video Compression	H.264
Video Resolution	Main Stream: 720p, sub stream: 1080P
Frame Rate	Main Stream (720P@25fps), sub stream (1080P@25fps) Main Stream (720P@30fps), sub stream (1080P@30fps)
Video Bit Rate	256Kbps–2048Kbps
Light Compensation	Auto white light Auto IR light
Day/Night	ICR auto switch
Audio Compression	G.711u
Audio Input	1
Audio Output	Built-in speaker
Audio Mode	Full duplex communication

Audio Enhancement	Echo suppression and cancellation/digital noise reduction
Audio Bit Rate	16KHz, 16Bit

Function

Communication Mode	Full digital
Unlock Mode	Card/Remote/Password/Face unlock
Card Reading Type	IC card
Motion Detection	Video motion detection
Auto Snapshot	Yes
Leave Videos or Text Messages	Yes
Web Configuration	Yes

Performance

Card Reading Distance	1cm–5cm
Issue Card Locally	Yes
Face Recognition Height Range	1.1m–2.4m is recommended
Face Recognition Distance	0.3m–2cm
Face Recognition Configuration	Recognition threshold Facial profile angle
Face Verification Accuracy	99.5%
Face Recognition Time	0.2s
Casing Material	PC+ABS

Capacity

Card	10,000
Face Image	10,000

Port

RS-485	1
Wiegand	1 input port, 1 output port
Electric lock	1
Alarm Input	2 (Digital quantity)
Alarm Output	2 (Digital quantity)
Power Output	1 12V/100mA
Exit Button	1
Door Status Detection	1
Lock Control	1, normally open by default
Network	1 RJ-45 10Mbps/100Mbps self-adaptive

Alarm

Tamper	Yes

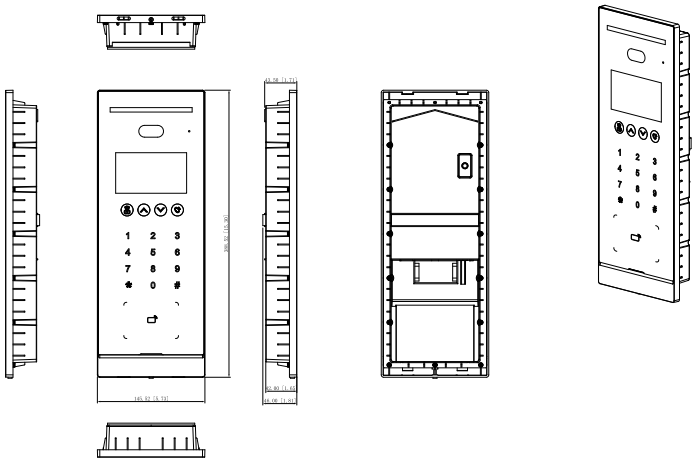
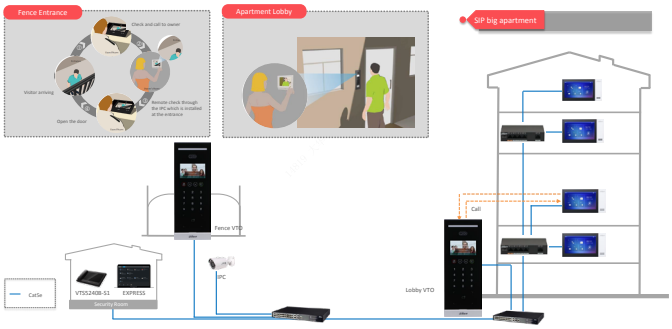
General

Unlock Password Mode	User password/public password/duress password
Color	Silver
Power Supply Mode	DC 12V2A
Power Supply	Optional
Installation	Surface mount and Flush mount
Certification	CE/FCC
Accessory	Optional
Product Dimensions	388.5mm×145.5mm×43.5mm (15.30"×5.73"×1.71")
Protection Grade	IP65 (silicone sealant is needed, see the quick start guide)
Operating Temperature	-30°C to +60°C (-22°F to +140°F)
Operating Humidity	10RH%–90RH% (non-condensing)
Operating Altitude	86kPa–106kPa
Power Consumption	≤5W (standby), ≤18W (working)
Net Weight	1.0 kg (2.20 lb)
Gross Weight	1.29 kg (2.84 lb)

Ordering Information

Type	Model	Description
Face Recognition Door Station	DHI-VTO6531H	4.3 Inch Face Recognition Door Station
Flush Mounting Plate	VTM121	Flush Mounting Plate for 8 Inch Face Recognition Door Station of model VTO75X1G
Surface Mount Plate	VTM130	Surface Mount Plate (VTM130) for 4.3 Inch Door Station

Dimensions (mm[inch])



Application