

DHI-KTW01

IP & Wi-Fi Video Intercom KIT



Technical Specification

Model	DHI-VTO2211G-WP-S2
System	
Main Processor	Embedded Processor
Operating System	Embedded Linux OS
Button Type	Mechanical
Interoperability	ONVIF; CGI
Network Protocol	SIP; P2P; IPv4; DNS; RTSP; RTP; TCP; UDP

Basic

Camera	1/2.8" 2 MP CMOS high definition, low illumination/WDR/color/IR
Field of View	H: 125°; V: 71°; D: 142°
WDR	120 dB
Noise Reduction	3D NR
Video Compression	H.264; H.265
Video Resolution	Main stream: 720p, WVGA, D1, CIF Sub stream: 1080p, WVGA, D1, QVGA, CIF
Video Frame Rate	PAL: 25 fps; NTSC: 30 fps
Video Bit Rate	256 Kbps–8 Mbps
Light Compensation	Auto IR
Day/Night	Auto(ICR)/Color/B/W;Color/B/W
Audio Compression	G.711a; G.711u; PCM
Audio Input	1
Audio Output	Built-in speaker

IP Villa Door Station

- Megapixel image sensor.
- Thin lightweight design.
- Supports IR illumination and night vision.
- Two-way audio and voice call through app.
- Can be managed through the management platform; support voice call between App and the door station.
- Card unlock, unlock on the indoor monitor, and remote unlock through the App.
- Supports IP65(Silicone sealant is needed.
- For details, see the quick start guide).
- Supports 10000 cards.
- Supports standard PoE power supply.
- Controls 2 locks, with the second lock requiring connection to the extension module.
- Supports wireless network.

IP Indoor Monitor

- 7" TFT Capacitive touch screen, 1024 x 600.
- IPC surveillance.
- 6-ch wired alarm integration, 8-ch wireless alarm integration (Only supports 433 MHz)
- Micro SD card optional, max 32 GB.
- Record and snapshot (an SD card is needed).



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

Function

Communication Mode	Full digital
Unlock Mode	Card; app; indoor monitor
Card Type	IC card
Auto Snapshot	Yes
Leave Videos	Yes (SD card is inserted in the indoor monitor or door station)
Wi-Fi	Yes
Wireless Standard	IEEE802.11b/802.11g/802.11n
Wireless Frequency Range	2.4 GHz
Max Transmission Power	≤20 dBm@2400-2483.5 MHz
Storage	Supports Micro SD card (up to 256 GB)
Web Configuration	Yes

Performance

Card Reading Distance	0 cm–4.3 cm (0"–1.69")
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Issue Card Locally	Yes
Casing Material	PC + Acrylic
Capacity	
Card Capacity	10000
Port	
RS-485	1
Alarm Input	1
Alarm Output	1
Power Output	1 port, 12 V and 200 mA
Exit Button	1
Door Status Detection	1
Lock Control	1
Network Port	1 × 10M/100M network port

Alarm	
Tamper Alarm	Yes

General	
Appearance Color	Black plate and silvery frames
Power Supply	12 VDC, 1 A; Standard PoE
Power Adapter	Optional
Installation	Surface Mount
Certifications	CE
Accessory	Included: Alarm power ribbon cable, brackets
Product Dimensions	150.0 mm × 100.0 mm × 25.4 mm (5.91" × 3.94" × 1.00")
Protection	IP65 (silicone sealant is needed, see the quick start guide)
Operating Temperature	−30 °C to +60 °C (−22 °F to +140 °F)
Operating Humidity	10%–90% (RH) (non-condensing)
Operating Altitude	Beneath 3000 m (9842.52 ft)
Operating Environment	Outdoor
Power Consumption	≤ 1 W (standby), ≤ 7 W (working)
Gross Weight	510 g (1.12 lb)
Anti-corrosion Level	Basic Protection

Model	DHI-VTH5221DW-S2
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System	
Main Processor	Embedded Processor
Operating System	Embedded Linux OS
Interoperability	ONVIF
Network Protocol	IPv4, RTSP, RTP, TCP, UDP, SIP

Basic	
Screen Type	Capacitive Touchscreen
Display Screen	7" TFT
Screen Resolution	1024 (H) × 600 (V)
Audio Compression	G.711a; G.711u; PCM
Audio Input	1
Audio Output	Built-in speaker
Audio Mode	Two-way audio
Audio Enhancement	Echo suppression
Audio Bit Rate	16 KHz, 16 bit

Function	
Communication Mode	Full digital
Information Release	Receive and view text information released by the management center
Leave Videos	Yes (SD card inserted in VTH is needed)
Number of Extensions	Villa: 9 Apartment: 4 Wi-Fi intercom: 1 main monitor, 2 extension monitors
Wi-Fi	Yes
Wireless Standard	IEEE802.11b/802.11g/802.11n
Wireless Frequency Range	2.4 GHz
Max Transmission Power	≤20 dBm@2400-2483.5 MHz
Storage	8 GB Micro SD card (max SD card capacity supported is 64 GB)

Port	
RS-485	1
Alarm Input	6
Door Bell	Yes
Network Port	1 × RJ-45 , 10M/100Mbps self-adaptive port

Performance	
Casing Material	PC + ABS

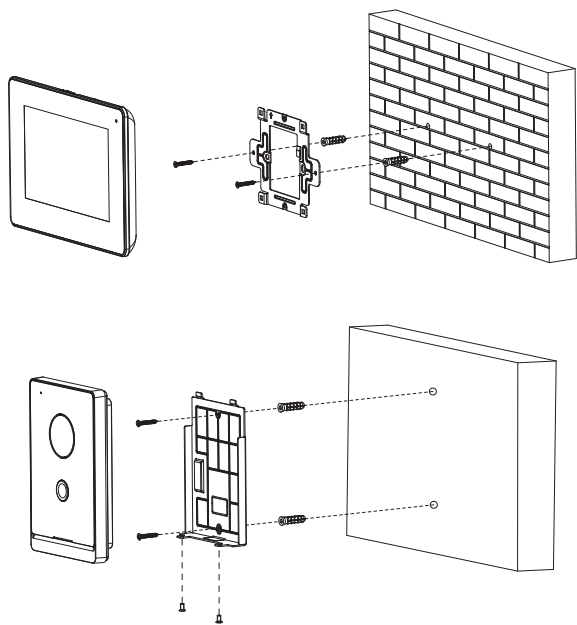
General	
Appearance Color	White
Power Supply	12 VDC, 1 A Standard PoE
Power Adapter	Optional
Installation	Surface Mount
Certifications	CE; FCC; UL
Accessory	Bracket (included) Alarm ribbon cable (included)
Product Dimensions	214.0 mm × 140.5 mm × 23.4 mm (8.43" × 5.53" × 0.92")
Operating Temperature	−10 °C to +55 °C (+14 °F to 131 °F)

Video Intercom KIT | DHI-KTW01

Operating Humidity	10%–90% (RH), non-condensing
Operating Altitude	Beneath 3,000 m (9,842.52 ft)
Power Consumption	≤3W (standby), ≤7W (working)
Gross Weight	0.69 kg (1.52 lb)
Anti-corrosion Level	Basic Protection

Ordering Information		
Type	Model	Description
KIT	DHI-KTW01	IP & Wi-Fi Video Intercom KIT

Installation



Application



Dimensions (mm[inch])

