DHI-KTD01(S)

Video Intercom KIT



Technical Specification

System(VTO)

Main Processor	Embedded Processor
Operating System	Embedded Linux Operation System
Button Type	Mechanical
Interoperability	ONVIF; CGI
Network Protocol	SIP; TCP; RTP; UPnP; P2P; DNS; UDP; RTSP; IPv4

Basic(VTO)

Camera	1/2.9" 2 MP CMOS
Field of View	H: 168.6°; V: 87.1°; D: 176.7°
WDR	120 dB
Noise Reduction	3D NR
Video Compression	H.265; H.264
Video Resolution	Main stream: 720p; WVGA; D1; CIF Sub stream: 1080p; WVGA; D1; QVGA; CIF
Video Frame Rate	25 fps
Video Bit Rate	256 kbps to 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 channel
Audio Output	Built-in speaker
Audio Mode	Two-way audio
Audio Enhancement	Echo suppression/digital noise reduction
Audio Bit Rate	16 kHz, 16 bits

IP Villa Door Station:

- Anodized aluminum front panel.
- CMOS low illumination 2MP HD colorful 168.6°camera.
- Video intercom function.
- Provides 12 VDC, 600 mA power.
- Mobile phone app, talk to the visitor or unlock the door remotely on your phone.
- IK07 and IP65 rated (silicone sealant is required for the shell, see the quick start guide).
- Supports H.265 and H.264.
- Standard PoE power supply (if the VTO device with 12 V power output needs to charge the load, it should be connected to a PSE switch that complies with the 802.3.at standard).
- Controls 2 locks, with the second lock requiring connection to the extension module.

IP Indoor Monitor:

- 7" TFT capacitive touch screen.
- 6-channel alarm input and 1-channel alarm output.
- Supports standard PoE OR Power over 2-wire switch.
- H.265 video coding (H.264 by default).
- Supports 2-wire digital communication.
- Supports daisy chain topology.
- 2.5D screen glass.

Function(VTO)

Communication Mode	Digital 2-wire
Unlock Mode	Remote
Leave Videos	Yes (SD card is inserted in the indoor monitor or door station)
Storage	Supports Micro SD card (up to 256 GB)
Web Configuration	Yes

Performance(VTO)

Casing Material	Aluminum

Port(VTO)

RS-485	1
Alarm Output	1
Power Output	1 port (12 V, 600 mA)
Exit Button	1
Door Status Detection	1
Lock Control	1
Network Port	1 × RJ-45 port, 10/100 Mbps network port

Alarm(VTO)

Tamper Alarm	Yes

General(VTO)

Appearance Color	Silver
Power Supply	Dahua 2-wire switch (max. power supply distance is 50 m) 48 VDC, 1 A; PoE (802.3af/at)
Power Adapter	Optional
Installation	Surface mount (The surface mount kit comes with the surface mount bracket)
Certifications	CE
Accessory	Surface mount box (included)
Product Dimensions	130 mm × 96 mm × 28.5 mm (5.12" × 3.78" × 1.12")
Protection	IK07; IP65
Operating Temperature	–30 °C to +60 °C (–22 °F to +140 °F)
Operating Humidity	10%–90% (RH), non-condensing
Operating Altitude	0 m–3,000 m (0 ft–9,842.52 ft)
Operating Environment	Outdoor
Power Consumption	≤4 W (standby), ≤5 W (working)
Gross Weight	0.48 kg (1.06 lb)
Storage Humidity	30%–75% (RH), non-condensing
Storage Temperature	0 °C to +40 °C (+32 °F to +104 °F)

System (VTH)

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

Basic (VTH)

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 bits

Function (VTH)

Communication Mode	Digital 2-wire
Information Release	Supports viewing text announcement from the center (insert an SD card to receive and view pictures)
Leave Videos	Yes (SD card inserted in VTH is needed)
DND Mode	Do not disturb period can be set;Do not disturb mode can be set
Number of Extensions	Villa: 4; apartment: 3
Storage	Supports Micro SD card (up to 64 GB)

Port (VTH)

RS-485	1
Alarm Input	6 channel (switch quantity)
Alarm Output	1 channel
Power Output	1 port (12 V, 100 mA)
Door Bell	Yes, reusing any alarm input port
Network Port	One 2-wire port and one 10/100 Mbps Ethernet port (one of them can be selected)

Performance(VTH)

Casing Material	PC + ABS

General (VTH)

Appearance Color	White
Power Supply	2-wire switch (max power transmission distance: 50 m); Standard PoE
Power Adapter	Optional
Installation	Surface Mount
Certifications	CE; FCC; UL
Accessory	Bracket (standard) Alarm ribbon cable (standard)
Product Dimensions	189.0 mm × 130.0 mm × 26.9 mm (7.44" × 5.12" × 1.06")
Operating Temperature	–10°C to +55°C (+14°F to +131°F)
Operating Humidity	10%–95% (RH), non-condensing
Operating Altitude	0 m–3,000 m (0 ft–9,842.52 ft)
Operating Environment	Indoor
Power Consumption	≤2 W (standby), ≤6 W (working)
Gross Weight	0.74 kg (1.63 lb)
Storage Temperature	0 °C to +40 °C (+32 °F to +104 °F)
Storage Humidity	30%–75% (RH), non-condensing

System(Networking Device)

Main Processor	Embedded Processor

Function(Networking Device)

Communication Mode	Digital 2-wire

Performance(Networking Device)

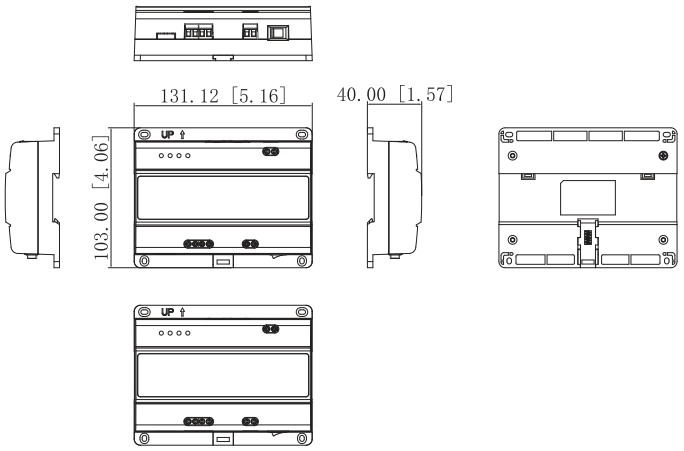
Casing Material	PC + ABS

Port(Networking Device)

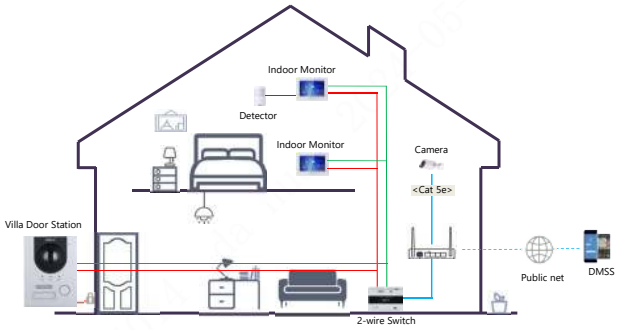
Network Port	Two 2-wire ports for cascade; Two RJ-45 10/100 Mbps self-adaptive ports One 2-wire device port

General (Networking Device)

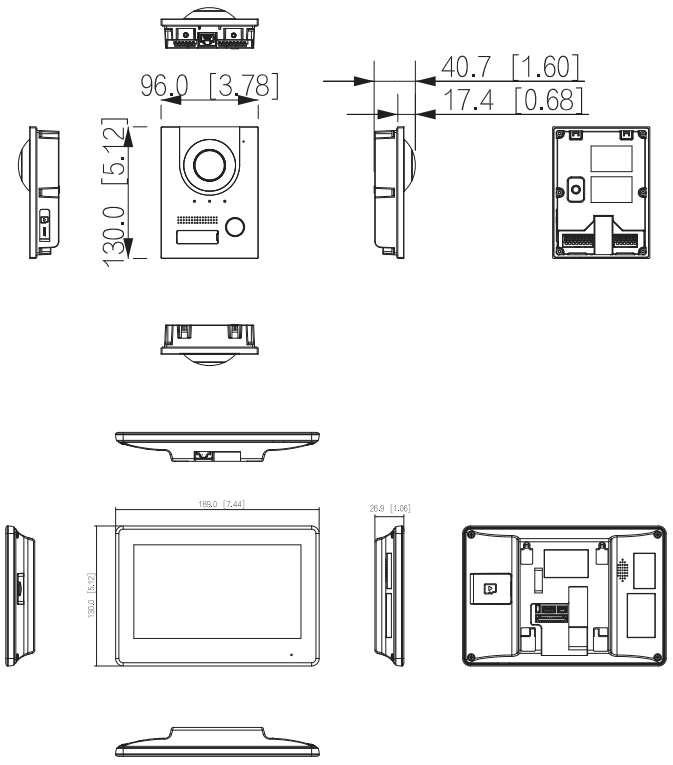
Appearance Color	White
Power Supply	48 VDC, 1–5A
Power Adapter	Included
Installation	Guide Rail Mount
Certifications	CE; FCC; UL
Product Dimensions	131 mm × 103 mm × 40 mm (5.16" × 4.06" × 1.57")
Operating Temperature	–10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	10%–95% (RH), non-condensing
Operating Altitude	0 m–3,000 m (0 ft–9,842.52 ft)
Power Consumption	≤15 W (self-working); output≤ 48 W (villa)
Gross Weight	0.39 kg (0.86 lb)



Application



Dimensions (mm[inch])



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