# DHI-KTD01(F)

## Video Intercom KIT




**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).

**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.

## 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<br>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 |

### 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)<br>48 VDC, 1 A; PoE (802.3af/at) |
| Power Adapter | Optional |
| Installation | Flush mount (The flush mount kit comes with the flush mount bracket) |
| Certifications | CE |
| Accessory | Flush 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–3000 m (0 ft–9842.52 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 Bit |

## 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, 12 V/100 mA |
| Door Bell | Yes, reusing any alarm input port |
| Network Port | One 2-wire port and one 10/100Mbps 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)<br>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 | 0m–3000m |
| Operating Environment | Indoor |
| Power Consumption | Standby ≤ 2 W, working ≤ 6W |
| 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)

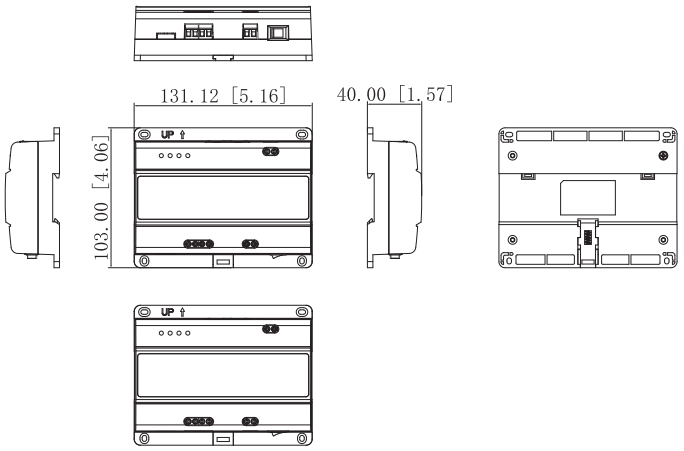
| | |
|---|---|
| Casing Material | PC + ABS |

## Port(Networking Device)

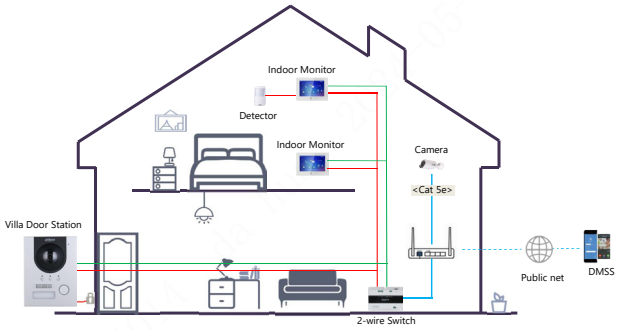
| | |
|---|---|
| Network Port | Two 2-wire ports for cascade;<br>Two RJ-45 10/100 Mbps self-adaptive ports<br>One 2-wire device port |

## General (Networking Device)

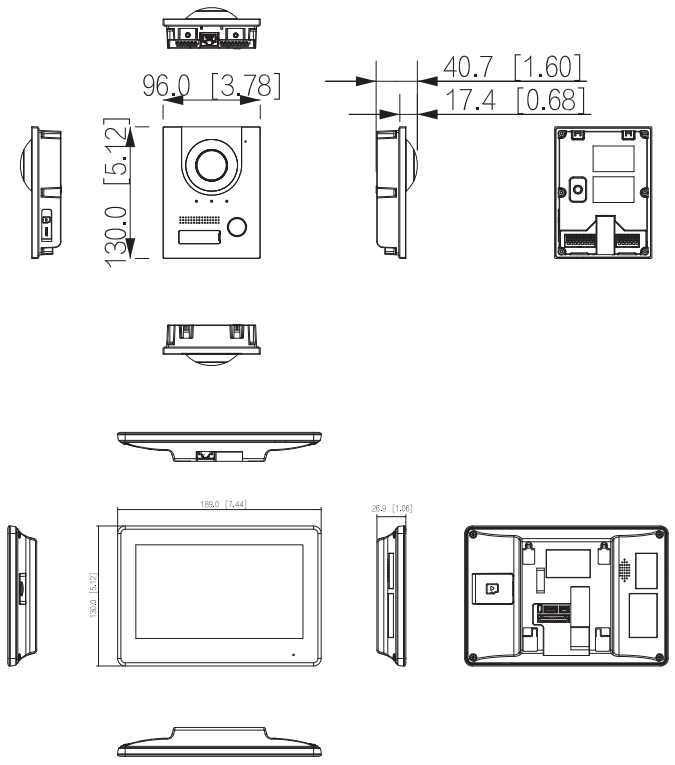
| | |
|---|---|
| Appearance Color | White |
| Power Supply | 48 VDC, 1–5A |
| Power Adapter | Included |
| Installation | Guide Rail Mount |
| Certifications | CE; FCC; UL |
| Product Dimensions | 131 mm × 103 mm × 40 mm (5.16" × 4.06" × 1.57") |
| Operating Temperature | –10 °C to +55 °C (+14 °F to +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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