

# DHI-VTO3312Q-P

## 2-wire Villa Door Station



- Full metal casing design.
- Customizable Number of Buttons.
- 1/2.8" 2-MP HD CMOS camera.
- Offers two-way video call with indoor monitors.
- IR illumination and auto WDR.
- Supports two locks.
- Voice call and unlocking through app.
- Two wires and RJ-45 connection.
- IK08 and IP65 rated.
- H.264 and H.265.
- Unlock with IC card.
- PoE power supply.
- Included rain cover.
- Optional red-brown or dark blue front cover.  
(red-brown P/N: 1.1.03.15.10221, dark blue P/N: 1.1.03.15.10220)



### Technical Specification

#### System

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Main Processor   | Embedded Processor                                           |
| Button Type      | Mechanical                                                   |
| Interoperability | ONVIF; CGI                                                   |
| Network Protocol | RTSP; DNS; P2P; UPnP; RTP; RTMP; SIP; SSH; HTTP/HTTPS; ONVIF |

#### Basic

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| Camera             | 1/2.8" CMOS 2-MP HD camera                                                          |
| Field of View      | H: 125°; V: 65°; D: 139°                                                            |
| WDR                | 120 dB                                                                              |
| Noise Reduction    | 3D NR; 2D NR                                                                        |
| Video Compression  | H.264; H.265                                                                        |
| Video Resolution   | Main stream: 720p, WVGA, D1, and CIF;<br>Sub stream: 1080p, WVGA, D1, QVGA, and CIF |
| Video Frame Rate   | PAL: 25 fps<br>NTSC: 30 fps                                                         |
| Video Bit Rate     | 768 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                                                                    |
| Audio Mode        | Two-way audio                                                                       |
| Audio Enhancement | Echo suppression/digital noise reduction; 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 (SD card is inserted in the indoor monitor or door station) |
| Leave Videos       | Yes (SD card inserted in VTH/VTO is needed)                     |
| Web Configuration  | Yes                                                             |
| Storage            | Micro SD card (max. 256 GB)                                     |

#### Performance

|                       |                        |
|-----------------------|------------------------|
| Card Reading Distance | 0 cm–3.5 cm (0"–1.38") |
| Issue Card Locally    | Yes                    |
| Casing                | Aluminum alloy         |

## Capacity

|               |      |
|---------------|------|
| Card Capacity | 3000 |
|---------------|------|

## Port

|                       |                                                    |
|-----------------------|----------------------------------------------------|
| RS-485                | 1                                                  |
| Alarm Input           | 1                                                  |
| Alarm Output          | 1                                                  |
| Power Output          | 1                                                  |
| Exit Button           | 1                                                  |
| Door Status Detection | 1                                                  |
| Lock Control          | 1                                                  |
| Network Port          | 1 × RJ-45/two-wire port, 10/100 Mbps self-adaptive |

## Alarm

|              |     |
|--------------|-----|
| Tamper Alarm | Yes |
|--------------|-----|

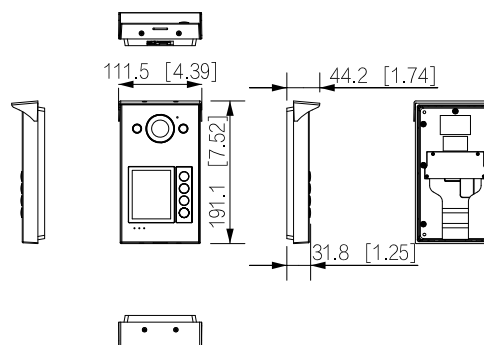
## General

|                       |                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| Appearance color      | Grey                                                                                                |
| Power Supply          | 48 VDC, 1 A<br>Standard PoE<br>Dahua two-wire switch (max. power supply distance is 50 m/164.04 ft) |
| Power Adapter         | Optional                                                                                            |
| Installation          | Surface Mount                                                                                       |
| Certifications        | CE; FCC                                                                                             |
| Accessory             | Included: Alarm power ribbon cable, rain cover                                                      |
| Product Dimensions    | 188.1 mm × 107.2 mm × 30 mm (7.41" × 4.22" × 1.18")                                                 |
| Protection            | IP65 IK08                                                                                           |
| Operating Temperature | −40 °C to +60 °C (−40 °F to +140 °F)                                                                |
| Operating Humidity    | 10%–90% (RH), non-condensing                                                                        |
| Operating Altitude    | 0 m–3,000 m (0 ft–9,842.51 ft)                                                                      |
| Power Consumption     | ≤ 4 W (standby), ≤ 8 W (working)                                                                    |
| Gross Weight          | 0.78 kg (1.72 lb)                                                                                   |
| Net Weight            | 0.57 kg (1.26 lb)                                                                                   |

## Ordering Information

| Type                      | Model          | Description                                                                                                 |
|---------------------------|----------------|-------------------------------------------------------------------------------------------------------------|
| 2-wire Villa Door Station | DHI-VTO3312Q-P | Dahua Linux Grey Metal 2-wire Villa Door Station                                                            |
| Accessories               | DHI-VTM57      | Accessories of Wi-Fi Villa Door Station (Dahua casing+ rain cover+ button cap + screw hole cover)-dark blue |
|                           | DHI-VTM58      | Accessories of Wi-Fi Villa Door Station (Dahua casing+ rain cover+ button cap + screw hole cover)-red brown |

## Dimensions (mm[inch])



## Application

