

# DHI-VTO4202F-P

## Modular Outdoor Station



### Technical Specification

|                               |                                                           |                 |
|-------------------------------|-----------------------------------------------------------|-----------------|
| Model                         | DHI-VTO4202F-P                                            | DHI-VTO4202F-MA |
| System                        |                                                           |                 |
| Main Processor                | SoC processor                                             |                 |
| Operating System              | Embedded Linux operation system                           |                 |
| Network Protocol              | IPv4, RTSP, RTP, TCP, UDP, SIP, P2P                       |                 |
| Basic                         |                                                           |                 |
| Camera                        | CMOS Low illumination 2MP HD colorful 160° fisheye camera | -               |
| Angle of View                 | H:160°, V:82°, D:180°                                     | -               |
| Focal Length                  | 1.95 mm                                                   | -               |
| WDR                           | WDR                                                       | -               |
| Noise Reduction               | Noise suppression and echo cancellation                   |                 |
| Video Encoding                | H.264                                                     | -               |
| Frame Rate                    | PAL: 25 fps; NTSC: 30 fps                                 | -               |
| Video Bit Rate                | 256K to 2M                                                | -               |
| Light Compensation            | IR light                                                  | -               |
| Day/Night Switch              | Yes                                                       | -               |
| Audio Encoding                | PCM G.711 A G.711 U                                       |                 |
| Audio Input                   | Built-in omnidirectional microphone                       |                 |
| Audio Output                  | Built-in loudspeaker                                      |                 |
| Audio Bit Rate                | 16Khz 16bit                                               |                 |
| Function                      |                                                           |                 |
| Communication Methods         | Digital communication                                     |                 |
| Unlock Mode                   | Remote unlocking                                          |                 |
| Auto Snapshot                 | Yes                                                       | -               |
| Leave Videos or Text Messages | Yes                                                       | -               |
| Web Configuration             | Yes                                                       |                 |

- Modules make the device with great expansibility
- Anodized front aluminum panel; IK07
- Supports voice and video communication
- 2 MP high definition fisheye camera with 160° view range
- Access control function; controls two locks
- Compatible with 2-wire interface and RJ45 interface
- Surface mount and flush mount
- IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.)



### Performance

|                       |                                           |   |
|-----------------------|-------------------------------------------|---|
| Housing Material      | Aluminum                                  | - |
| Port                  |                                           |   |
| RS-485 Port           | 1 RS-485 half-duplex port                 |   |
| Alarm Output Port     | 1                                         |   |
| Power Output Port     | 1-ch 12 VDC output 100mA                  |   |
| Unlock Button         | Exit button for opening the door          |   |
| Door Status Detection | Detects door magnetic status              |   |
| Door Lock Control     | NC/COM/NO                                 |   |
| Ethernet Port         | 10/100 Mbps self-adaptive Ethernet/2-wire |   |

### Alarm

|              |              |
|--------------|--------------|
| Tamper Alarm | Tamper alarm |
|--------------|--------------|

### Regular

|                     |                                                                                                                                                       |                                      |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Ingress Protection  | IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.)       |                                      |
| Appearance Color    | Silver                                                                                                                                                |                                      |
| Housing Material    | Aluminum                                                                                                                                              |                                      |
| Power Supply Mode   | 12 VDC/2-Wire IP Interface/PoE                                                                                                                        |                                      |
| Installation Method | Surface mount and flush mount                                                                                                                         |                                      |
| Accessory           | Mounting box                                                                                                                                          |                                      |
| Dimensions          | 100mm×100mm×49.30mm (3.94"×3.94"×1.94")                                                                                                               | 100mm×100mm×36mm (3.94"×3.94"×1.42") |
| Protection Grade    | IK07, IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.) |                                      |
| Working Temperature | -20°C to +60°C (-4°F to +140°F)                                                                                                                       |                                      |
| Working Humidity    | 10%RH~90%RH                                                                                                                                           |                                      |
| Power Consumption   | ≤12W                                                                                                                                                  |                                      |
| Net Weight          | 0.35kg (0.77 lb)                                                                                                                                      |                                      |
| Gross Weight        | 0.4kg (0.88 lb)                                                                                                                                       |                                      |

|                       |                                                                                                                                                       |                                             |                                                |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------|
| Model                 | DHI-VTO4202F-MB1<br>DHI-VTO4202F-MB2                                                                                                                  | DHI-VTO4202F-MB5                            | DHI-VTO4202F-MF                                |
| System                |                                                                                                                                                       |                                             |                                                |
| Main Processor        | Embedded MCU processor                                                                                                                                |                                             |                                                |
| Capacity              |                                                                                                                                                       |                                             |                                                |
| Fingerprint           | -                                                                                                                                                     | 3000                                        |                                                |
| Button                |                                                                                                                                                       |                                             |                                                |
| Button Type           | Mechanical button                                                                                                                                     |                                             | -                                              |
| Port                  |                                                                                                                                                       |                                             |                                                |
| Power Output Port     | 5V DC (Provide power for other modules)                                                                                                               |                                             |                                                |
| Regular               |                                                                                                                                                       |                                             |                                                |
| Power Supply Mode     | 5V DC (Provided with power by other modules)                                                                                                          |                                             |                                                |
| Color                 | Silver                                                                                                                                                |                                             |                                                |
| Dimensions            | 100mm×49.90mm<br>×30.50mm<br>(3.94"×1.96"×1.20")                                                                                                      | 100mm×100mm<br>×31mm<br>(3.94"×3.94"×1.22") | 100mm×100mm<br>×38.50mm<br>(3.94"×3.94"×1.52") |
| Protection Grade      | IK07; IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.) |                                             |                                                |
| Operating Temperature | -20°C to +60°C (-4°F to +140°F )                                                                                                                      |                                             |                                                |
| Operating Humidity    | 10%RH–90%RH                                                                                                                                           |                                             |                                                |
| Power Consumption     | 1W                                                                                                                                                    |                                             |                                                |
| Appearance Color      | Silver                                                                                                                                                |                                             |                                                |

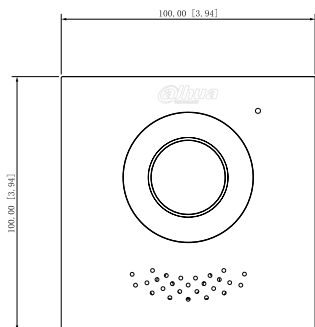
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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Model                 | DHI-VTO4202F-MK                                                                                                                                       | DHI-VTO4202F-ML                              |
| System                |                                                                                                                                                       |                                              |
| Main Processor        | Embedded MCU processor                                                                                                                                |                                              |
| Button                |                                                                                                                                                       |                                              |
| Button Type           | Metal backlight keyboard<br>(0–9, *, #)                                                                                                               | -                                            |
| Indicator             |                                                                                                                                                       |                                              |
| Indicator Lights      | -                                                                                                                                                     | 3                                            |
| Port                  |                                                                                                                                                       |                                              |
| Power Output Port     | 5V DC (Provide power for other modules)                                                                                                               |                                              |
| Regular               |                                                                                                                                                       |                                              |
| Power Supply Mode     | 5V DC (Provided with power by other modules)                                                                                                          |                                              |
| Color                 | Silver                                                                                                                                                |                                              |
| Dimensions            | 100mm×100mm×31mm<br>(3.94"×3.94"×1.22")                                                                                                               | 100mm×49.90mm×28.50mm<br>(3.94"×1.96"×1.12") |
| Protection Grade      | IK07; IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.) |                                              |
| Operating Temperature | -20°C to +60°C (-4°F to +140°F )                                                                                                                      |                                              |
| Operating Humidity    | 10%RH–90%RH                                                                                                                                           |                                              |
| Power Consumption     | 1W                                                                                                                                                    |                                              |

|                       |                                                                                                                                                       |                                            |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Model                 | DHI-VTO4202F-MR                                                                                                                                       | DHI-VTO4202F-MS                            |
| System                |                                                                                                                                                       |                                            |
| Main Processor        | Embedded MCU processor                                                                                                                                |                                            |
| Capacity              |                                                                                                                                                       |                                            |
| Card                  | 10000                                                                                                                                                 | -                                          |
| Display               |                                                                                                                                                       |                                            |
| Display               | -                                                                                                                                                     | 3.0 inch STN display                       |
| Port                  |                                                                                                                                                       |                                            |
| Power Output Port     | 5V DC (Provide power for other modules)                                                                                                               |                                            |
| Regular               |                                                                                                                                                       |                                            |
| Power Supply Mode     | 5V DC (Provided with power by other modules)                                                                                                          |                                            |
| Color                 | Silver                                                                                                                                                |                                            |
| Dimensions            | 100mm×49.90mm×28.50mm<br>(3.94"×1.96"×1.12")                                                                                                          | 100mm×100mm×28.50mm<br>(3.94"×3.94"×1.12") |
| Protection Grade      | IK07; IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.) |                                            |
| Operating Temperature | -20°C to +60°C (-4°F to +140°F )                                                                                                                      |                                            |
| Operating Humidity    | 10%RH-90%RH                                                                                                                                           |                                            |
| Power Consumption     | 1W                                                                                                                                                    |                                            |

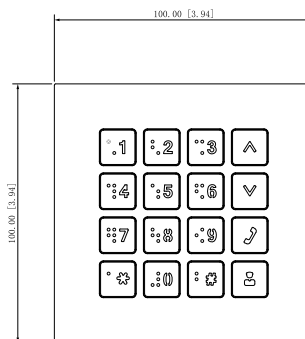
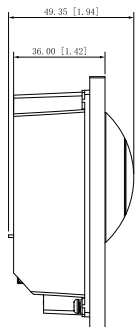
|                  |                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model            | DHI-VTO4202F-MN                                                                                                                                       |
| Regular          |                                                                                                                                                       |
| Appearance color | Silver                                                                                                                                                |
| Dimensions       | 100mm×49.90mm×28.50mm(3.94"×1.96"×1.12")                                                                                                              |
| Protection grade | IK07; IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.) |

| Ordering Information |                  |                              |
|----------------------|------------------|------------------------------|
| Type                 | Part Number      | Description                  |
| Modules              | DHI-VTO4202F-P   | Camera module                |
|                      | DHI-VTO4202F-MA  | Audio module                 |
|                      | DHI-VTO4202F-MB1 | One-button module            |
|                      | DHI-VTO4202F-MB2 | Two-button module            |
|                      | DHI-VTO4202F-MB5 | Five-button module           |
|                      | DHI-VTO4202F-MS  | Display module               |
|                      | DHI-VTO4202F-ML  | Indicator module             |
|                      | DHI-VTO4202F-MK  | Keyboard module              |
|                      | DHI-VTO4202F-MF  | Fingerprint module           |
|                      | DHI-VTO4202F-MR  | Card swiping module          |
| Accessories          | DHI-VTO4202F-MN  | Blank Module                 |
|                      | VTM125           | Two-modular mounting plate   |
|                      | VTM126           | Three-modular mounting plate |
|                      | VTM127           | Two-modular mounting box     |
|                      | VTM128           | Three-modular mounting box   |

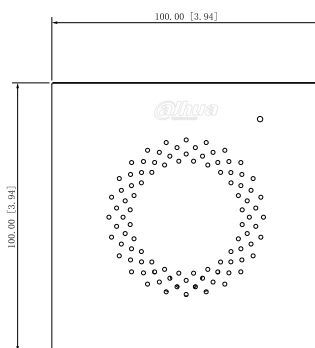
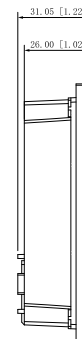
Dimensions (mm[inch])



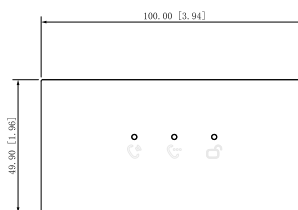
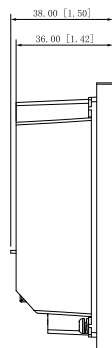
DHI-VTO4202F-P



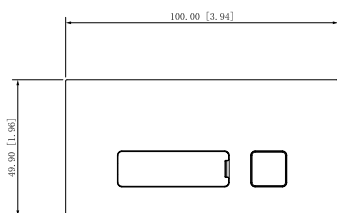
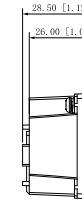
DHI-VTO4202F-MK



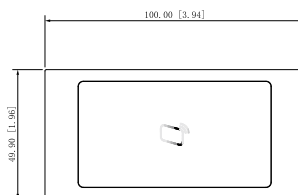
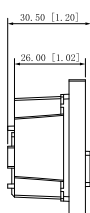
DHI-VTO4202F-MA



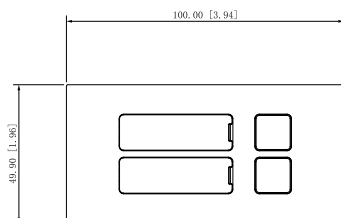
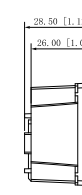
DHI-VTO4202F-ML



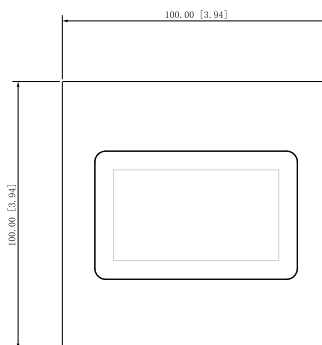
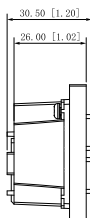
DHI-VTO4202F-MB1



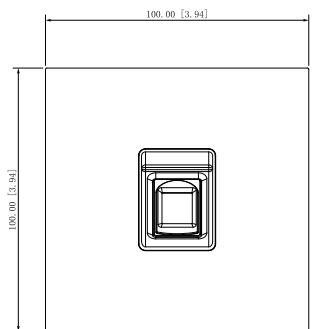
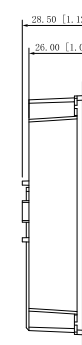
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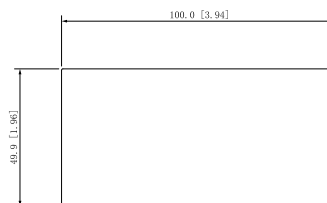
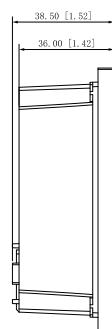
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DHI-VTO4202F-MS



DHI-VTO4202F-MF



DHI-VTO4202F-MN

