

# DHI-VTO4103F-X Series

## Module



### Technical Specification

|       |                  |
|-------|------------------|
| Model | DHI-VTO4103F-MB1 |
|-------|------------------|

#### System

|                |                    |
|----------------|--------------------|
| Main Processor | Embedded Processor |
|----------------|--------------------|

|             |            |
|-------------|------------|
| Button Type | Mechanical |
|-------------|------------|

#### Performance

|                 |                |
|-----------------|----------------|
| Casing Material | Aluminum alloy |
|-----------------|----------------|

#### Port

|              |  |
|--------------|--|
| Power Output | 5 VDC (provides power for other modules) |
|--------------|--|

#### General

|                  |        |
|------------------|--------|
| Appearance Color | Silver |
|------------------|--------|

|              |                                   |
|--------------|-----------------------------------|
| Power Supply | 5 VDC (provided by other modules) |
|--------------|-----------------------------------|

|              |                            |
|--------------|----------------------------|
| Installation | Flush Mount; Surface Mount |
|--------------|----------------------------|

|                    |   |
|--------------------|---|
| Product Dimensions | 100 mm × 50.0 mm × 30.50 mm (3.94" × 1.97" × 1.20") |
|--------------------|---|

|            |  |
|------------|--|
| Protection | IK07; IP65 (silicone sealant is needed for installation) |
|------------|--|

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | −30 °C to +60 °C (−22 °F to +140 °F) |
|-----------------------|--------------------------------------|

|                    |              |
|--------------------|--------------|
| Operating Humidity | 10%–90% (RH) |
|--------------------|--------------|

|                   |        |
|-------------------|--------|
| Power Consumption | ≤0.5 W |
|-------------------|--------|

|              |                   |
|--------------|-------------------|
| Gross Weight | 0.18 kg (0.40 lb) |
|--------------|-------------------|

### Technical Specification

|       |                  |
|-------|------------------|
| Model | DHI-VTO4103F-MB2 |
|-------|------------------|

#### System

|                |                    |
|----------------|--------------------|
| Main Processor | Embedded Processor |
|----------------|--------------------|

|             |            |
|-------------|------------|
| Button Type | Mechanical |
|-------------|------------|

#### Performance

|                 |                |
|-----------------|----------------|
| Casing Material | Aluminum alloy |
|-----------------|----------------|

#### Port

|              |  |
|--------------|--|
| Power Output | 5 VDC (provides power for other modules) |
|--------------|--|

#### General

|                  |        |
|------------------|--------|
| Appearance Color | Silver |
|------------------|--------|

|              |                                   |
|--------------|-----------------------------------|
| Power Supply | 5 VDC (provided by other modules) |
|--------------|-----------------------------------|

|              |                            |
|--------------|----------------------------|
| Installation | Flush Mount; Surface Mount |
|--------------|----------------------------|

|                    |  |
|--------------------|--|
| Product Dimensions | 100 mm × 50.0 mm × 30.50 mm (3.94" × 1.97" × 1.2") |
|--------------------|--|

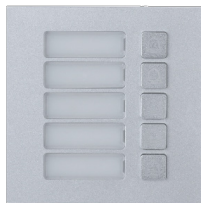
|            |  |
|------------|--|
| Protection | IK07; IP65 (silicone sealant is needed for installation) |
|------------|--|

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | −30 °C to +60 °C (−22 °F to +140 °F) |
|-----------------------|--------------------------------------|

|                    |              |
|--------------------|--------------|
| Operating Humidity | 10%–90% (RH) |
|--------------------|--------------|

|                   |        |
|-------------------|--------|
| Power Consumption | ≤0.5 W |
|-------------------|--------|

|              |                   |
|--------------|-------------------|
| Gross Weight | 0.17 kg (0.37 lb) |
|--------------|-------------------|



| Technical Specification |   |
|-------------------------|---|
| Model                   | DHI-VTO4103F-MB5  |
| System                  |   |
| Main Processor          | Embedded Processor                                      |
| Button Type             | Mechanical  |
| Performance             |   |
| Casing Material         | Aluminum alloy  |
| Port                    |   |
| Power Output            | 5 VDC (provides power for other modules)                |
| General                 |   |
| Appearance Color        | Silver  |
| Power Supply            | 5 VDC (provided by other modules)                       |
| Installation            | Flush Mount; Surface Mount                              |
| Product Dimensions      | 100 mm × 100 mm × 30.50 mm (3.94" × 3.94" × 1.2")       |
| Protection              | IK07; IP65(silicone sealant is needed for installation) |
| Operating Temperature   | −30 °C to +60 °C (−22 °F to +140 °F)                    |
| Operating Humidity      | 10%–90% (RH)  |
| Power Consumption       | ≤0.5 W  |
| Gross Weight            | 0.31 kg (0.68 lb)                                       |



| Technical Specification |  |
|-------------------------|--|
| Model                   | DHI-VTO4103F-MDB2  |
| System                  |  |
| Button Type             | Mechanical   |
| Number of Buttons       | 2  |
| Performance             |  |
| Casing Material         | Aluminum alloy   |
| Port                    |  |
| Power Output            | 5 VDC (Provide power for other modules)                  |
| General                 |  |
| Appearance Color        | Silver   |
| Power Supply            | 5 VDC (Provided with power by other modules)             |
| Certifications          | CE EMC; CE LVD   |
| Product Dimensions      | 100.0 mm × 50.0 mm × 26 mm (3.94" × 1.97" × 1.02")       |
| Protection              | IK07; IP65 (Silicone sealant is needed for installation) |
| Operating Temperature   | −30 °C to +60 °C (−22 °F to +140 °F)                     |
| Operating Humidity      | 10%–90% (RH), non-condensing                             |
| Operating Environment   | Outdoor  |
| Operating Altitude      | 0 m–3,000 m (0 ft–9,842.52 ft)                           |
| Power Consumption       | ≤0.2 W (standby), ≤0.6 W (working)                       |
| Gross Weight            | 0.23 kg (0.51 lb)  |
| Storage Temperature     | 0 °C to +40 °C (+32 °F to +104 °F)                       |
| Storage Humidity        | 30%–75% (RH)   |



## Technical Specification

Model DHI-VTO4103F-MDB4

### System

Button Type Mechanical

Number of Buttons 4

### Performance

Casing Material Aluminum alloy

### Port

Power Output 5 VDC (Provide power for other modules)

### General

Appearance Color Silver

Power Supply 5 VDC (Provided with power by other modules)

Certifications CE EMC; CE LVD

Product Dimensions 100.0 mm × 50.0 mm × 26 mm (3.94" × 1.97" × 1.02")

Protection IK07; IP65 (Silicone sealant is needed for installation)

Operating Temperature −30 °C to +60 °C (−22 °F to +140 °F)

Operating Humidity 10%–90% (RH), non-condensing

Operating Environment Outdoor

Operating Altitude 0 m–3,000 m (0 ft–9,842.52 ft)

Power Consumption ≤0.2 W (standby), ≤0.6 W (working)

Gross Weight 0.24 kg (0.53 lb)

Storage Temperature 0 °C to +40 °C (+32 °F to +104 °F)

Storage Humidity 30%–75% (RH)

## Technical Specification

Model DHI-VTO4103F-MDB10

### System

Button Type Mechanical

Number of Buttons 10

### Performance

Casing Material Aluminum alloy

### Port

Power Output 5 VDC (Provide power for other modules)

### General

Appearance Color Silver

Power Supply 5 VDC (Provided with power by other modules)

Certifications CE EMC; CE LVD

Product Dimensions 100.0 mm × 100.0 mm × 26 mm (3.94" × 3.94" × 1.02")

Protection IK07; IP65 (Silicone sealant is needed for installation)

Operating Temperature −30 °C to +60 °C (−22 °F to +140 °F)

Operating Humidity 10%–90% (RH), non-condensing

Operating Environment Outdoor

Operating Altitude 0 m–3,000 m (0 ft–9,842.52 ft)

Power Consumption ≤0.2 W (standby), ≤0.6 W (working)

Gross Weight 0.33 kg (0.73 lb)

Storage Temperature 0 °C to +40 °C (+32 °F to +104 °F)

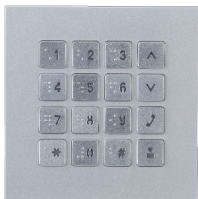
Storage Humidity 30%–75% (RH)



| Technical Specification |  |
|-------------------------|--|
| Model                   | DHI-VTO4103F-MF  |
| System                  |  |
| Main Processor          | Embedded Processor                                       |
| Performance             |  |
| Casing Material         | Aluminum alloy   |
| Port                    |  |
| Power Output            | 5 VDC (provides power for other modules)                 |
| General                 |  |
| Appearance Color        | Silver   |
| Power Supply            | 5 VDC (provided by other modules)                        |
| Installation            | Flush Mount; Surface Mount                               |
| Product Dimensions      | 100 mm × 100 mm × 38.50 mm (3.94" × 3.94" × 1.52")       |
| Protection              | IK07; IP65 (silicone sealant is needed for installation) |
| Operating Temperature   | −30 °C to +60 °C (−22 °F to +140 °F)                     |
| Operating Humidity      | 10%–90% (RH)   |
| Power Consumption       | ≤0.5 W   |
| Gross Weight            | 0.33 kg (0.73 lb)  |

| Technical Specification |   |
|-------------------------|---|
| Model                   | DHI-VTO4103F-MI   |
| Performance             |   |
| Casing Material         | Aluminum  |
| General                 |   |
| Appearance Color        | Silver  |
| Power Supply            | 5 VDC (Provided with power by other modules)            |
| Certifications          | CE  |
| Product Dimensions      | 100.0 mm × 100.0 mm × 28.5 mm (3.94" × 3.94" × 1.12")   |
| Protection              | IK07; IP65(silicone sealant is needed for installation) |
| Operating Temperature   | −30°C to +60°C (−22°F to +140°F)                        |
| Operating Humidity      | 10%–90% (RH), non-condensing                            |
| Operating Environment   | Outdoor   |
| Operating Altitude      | 0 m–3,000 m (0 ft–9,842.52 ft)                          |
| Power Consumption       | ≤0.5 W  |
| Gross Weight            | 0.28 kg (0.62 lb)                                       |
| Storage Temperature     | 0 °C to +40 °C (+32 °F to +104 °F)                      |
| Storage Humidity        | 30%–75% (RH), non-condensing                            |

DHI-VTO4103F-X Series



| Technical Specification |  |
|-------------------------|--|
| Model                   | DHI-VTO4103F-MK  |
| System                  |  |
| Main Processor          | Embedded Processor                                     |
| Button Type             | Mechanical   |
| Performance             |  |
| Casing Material         | Aluminum alloy   |
| Port                    |  |
| Power Output            | 5 VDC (provides power for other modules)               |
| General                 |  |
| Appearance Color        | Black  |
| Power Supply            | 5 VDC (provided by other modules)                      |
| Installation            | Flush Mount;Surface Mount                              |
| Product Dimensions      | 100 mm × 100 mm × 31 mm (3.94" × 3.94" × 1.22")        |
| Protection              | IK07;IP65(silicone sealant is needed for installation) |
| Operating Temperature   | −30 °C to +60 °C (−22 °F to +140 °F)                   |
| Operating Humidity      | 10%–90% (RH)   |
| Power Consumption       | ≤0.5 W   |
| Gross Weight            | 0.32 kg (0.71 lb)                                      |



| Technical Specification |  |
|-------------------------|--|
| Model                   | DHI-VTO4103F-ML  |
| System                  |  |
| Main Processor          | Embedded Processor                                       |
| Performance             |  |
| Casing Material         | Aluminum alloy   |
| Port                    |  |
| Power Output            | 5 VDC (provides power for other modules)                 |
| General                 |  |
| Appearance Color        | Silver   |
| Power Supply            | 5 VDC (provided by other modules)                        |
| Installation            | Flush Mount; Surface Mount                               |
| Product Dimensions      | 100 mm × 50.0 mm × 28.50 mm (3.94" × 1.97" × 1.12")      |
| Protection              | IK07; IP65 (silicone sealant is needed for installation) |
| Operating Temperature   | −30 °C to +60 °C (−22 °F to +140 °F)                     |
| Operating Humidity      | 10%–90% (RH)   |
| Power Consumption       | ≤2 W   |
| Gross Weight            | 0.19 kg (0.42 lb)  |



### Technical Specification

|       |                 |
|-------|-----------------|
| Model | DHI-VTO4103F-MN |
|-------|-----------------|

#### Performance

|                 |                |
|-----------------|----------------|
| Casing Material | Aluminum alloy |
|-----------------|----------------|

#### General

|                       |  |
|-----------------------|--|
| Appearance Color      | Silver   |
| Installation          | Flush Mount; Surface Mount                               |
| Product Dimensions    | 100 mm × 50.0 mm × 28.50 mm (3.94" × 1.97" × 1.12")      |
| Protection            | IK07; IP65 (silicone sealant is needed for installation) |
| Operating Temperature | −30 °C to +60 °C (−22 °F to +140 °F)                     |
| Operating Humidity    | 10%–90% (RH)   |
| Gross Weight          | 0.17 kg (0.37 lb)  |
| Power Consumption     | ≤0.5 W   |
| Gross Weight          | 0.32 kg (0.71 lb)  |

### Technical Specification

|       |                  |
|-------|------------------|
| Model | DHI-VTO4103F-MR1 |
|-------|------------------|

#### System

|                |                    |
|----------------|--------------------|
| Main Processor | Embedded Processor |
|----------------|--------------------|

#### Function

|           |         |
|-----------|---------|
| Card Type | ID card |
|-----------|---------|

#### RFID

|                         |                 |
|-------------------------|-----------------|
| Modulation Type         | AM              |
| Frequency Range         | 125 kHz         |
| Max. Transmission Power | 66 dBuA/m @10 m |

#### Performance

|                       |                         |
|-----------------------|-------------------------|
| Card Reading Distance | 1 cm–3 cm (0.39"–1.18") |
| Casing Material       | Aluminum alloy          |

#### Port

|              |  |
|--------------|--|
| Power Output | 5 VDC (provides power for other modules) |
|--------------|--|

#### General

|                       |   |
|-----------------------|---|
| Appearance Color      | Silver  |
| Power Supply          | 5 VDC (provided by other modules)                       |
| Installation          | Flush Mount; Surface Mount                              |
| Product Dimensions    | 100 mm × 50.0 mm × 28.50 mm (3.94" × 1.97" × 1.12")     |
| Protection            | IK07; IP65(silicone sealant is needed for installation) |
| Operating Temperature | −30 °C to +60 °C (−22 °F to +140 °F)                    |
| Operating Humidity    | 10%–90% (RH)  |
| Power Consumption     | ≤2 W  |
| Gross Weight          | 0.16 kg (0.35 lb)                                       |



### Technical Specification

|       |                 |
|-------|-----------------|
| Model | DHI-VTO4103F-MR |
|-------|-----------------|

#### System

|                |                    |
|----------------|--------------------|
| Main Processor | Embedded Processor |
|----------------|--------------------|

#### Function

|           |         |
|-----------|---------|
| Card Type | IC card |
|-----------|---------|

#### RFID

|                 |    |
|-----------------|----|
| Modulation Type | AM |
|-----------------|----|

|                 |           |
|-----------------|-----------|
| Frequency Range | 13.56 MHz |
|-----------------|-----------|

|                         |                 |
|-------------------------|-----------------|
| Max. Transmission Power | 42 dBuA/m @10 m |
|-------------------------|-----------------|

#### Performance

|                       |                         |
|-----------------------|-------------------------|
| Card Reading Distance | 1 cm–3 cm (0.39"–1.18") |
|-----------------------|-------------------------|

|                 |                |
|-----------------|----------------|
| Casing Material | Aluminum alloy |
|-----------------|----------------|

#### Port

|              |  |
|--------------|--|
| Power Output | 5 VDC (provides power for other modules) |
|--------------|--|

#### General

|                  |        |
|------------------|--------|
| Appearance Color | Silver |
|------------------|--------|

|              |                                   |
|--------------|-----------------------------------|
| Power Supply | 5 VDC (provided by other modules) |
|--------------|-----------------------------------|

|              |                            |
|--------------|----------------------------|
| Installation | Flush Mount; Surface Mount |
|--------------|----------------------------|

|                    |   |
|--------------------|---|
| Product Dimensions | 100 mm × 50.0 mm × 28.50 mm (3.94" × 1.97" × 1.12") |
|--------------------|---|

|            |  |
|------------|--|
| Protection | IK07; IP65 (silicone sealant is needed for installation) |
|------------|--|

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | –30 °C to +60 °C (–22 °F to +140 °F) |
|-----------------------|--------------------------------------|

|                    |              |
|--------------------|--------------|
| Operating Humidity | 10%–90% (RH) |
|--------------------|--------------|

|                   |      |
|-------------------|------|
| Power Consumption | ≤2 W |
|-------------------|------|

|              |                   |
|--------------|-------------------|
| Gross Weight | 0.16 kg (0.35 lb) |
|--------------|-------------------|

### Technical Specification

|       |                 |
|-------|-----------------|
| Model | DHI-VTO4103F-MV |
|-------|-----------------|

|         |   |
|---------|---|
| Feature | It is used to install the Vigik module. |
|---------|---|

#### Performance

|                 |                |
|-----------------|----------------|
| Casing Material | Aluminum alloy |
|-----------------|----------------|

#### General

|                  |        |
|------------------|--------|
| Appearance Color | Silver |
|------------------|--------|

|                    |   |
|--------------------|---|
| Product Dimensions | 100.0 mm × 50.0 mm × 6 mm (3.94" × 1.97" × 0.24") |
|--------------------|---|

|            |      |
|------------|------|
| Protection | IK07 |
|------------|------|

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | –30 °C to +60 °C (–22 °F to +140 °F) |
|-----------------------|--------------------------------------|

|                    |                              |
|--------------------|------------------------------|
| Operating Humidity | 10%–90% (RH, non-condensing) |
|--------------------|------------------------------|

|                       |         |
|-----------------------|---------|
| Operating Environment | Outdoor |
|-----------------------|---------|

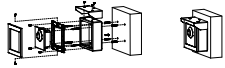
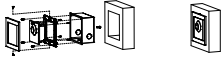
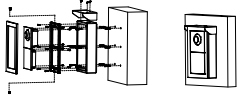
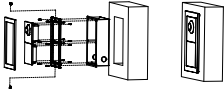
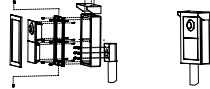
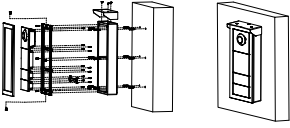
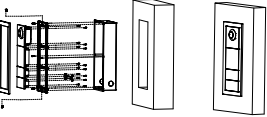
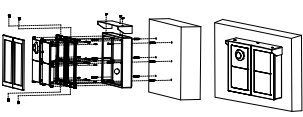
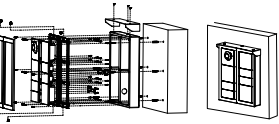
|                    |                                |
|--------------------|--------------------------------|
| Operating Altitude | 0 m–3,000 m (0 ft–9,842.52 ft) |
|--------------------|--------------------------------|

|              |                   |
|--------------|-------------------|
| Gross Weight | 0.28 kg (0.62 lb) |
|--------------|-------------------|

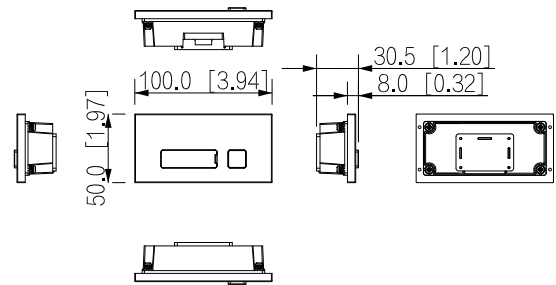
|                     |                                    |
|---------------------|------------------------------------|
| Storage Temperature | 0 °C to +40 °C (+32 °F to +104 °F) |
|---------------------|------------------------------------|

|                  |              |
|------------------|--------------|
| Storage Humidity | 30%–75% (RH) |
|------------------|--------------|

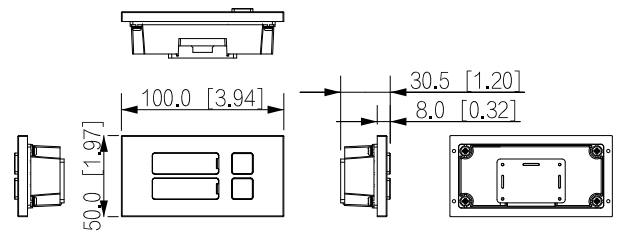
# Installation

|  |   |
|--|---|
| 1-module, Surface  | 1-module, Flush   |
| Rain Cover: VTM75, VTM76(Black)<br>Panel: VTM77, VTM78(Black)                                | Box: VTM79<br>Panel: VTM77, VTM78(Black)  |
|             |    |
| 2-module, Surface  | 2-module, Flush   |
| Rain Cover: VTM52R2, VTM26R2(Black)<br>Panel: VTM125, VTM25P2(Black)                         | Box: VTM127<br>Panel: VTM125, VTM25P2(Black)  |
|             |    |
| 2-module, Vertical rod   | 3-module, Surface   |
| Vertical rod: VTM51R2.<br>VTM61R2(Extended), VTM30R2(Black)<br>Panel: VTM125, VTM25P2(Black) | Rain Cover: VTM53R3, VTM27R3(Black)<br>Panel: VTM126, VTM24P3(Black)                |
|            |   |
| 3-module, Flush  | 2 * 2-module, Surface   |
| Box: VTM128<br>Panel: VTM126, VTM24P3(Black)   | Rain Cover: VTM54R4, VTM28R4(Black)<br>Panel: VTM125*2, VTM25P2(Black)*2            |
|           |  |
| 2 * 3-module, Surface  |   |
| Rain Cover: VTM56R6, VTM29R6(Black)<br>Panel: VTM126*2, VTM24P3(Black)*2                     |   |
|           |   |

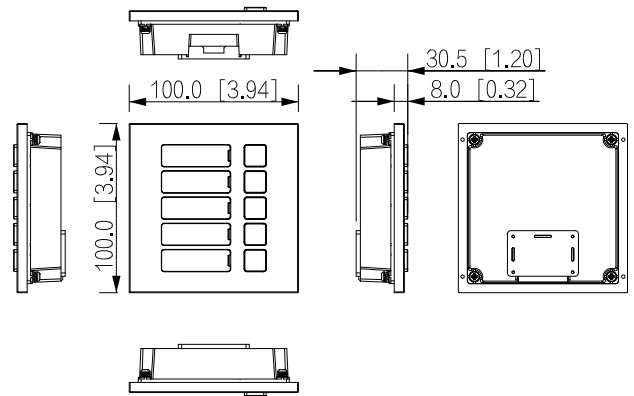
# Dimensions (mm[inch])



DHI-VTO4103F-MB1

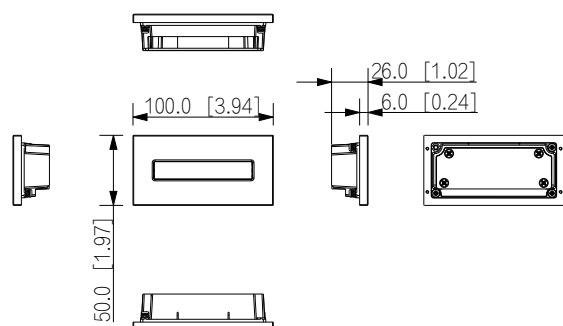


DHI-VTO4103F-MB2

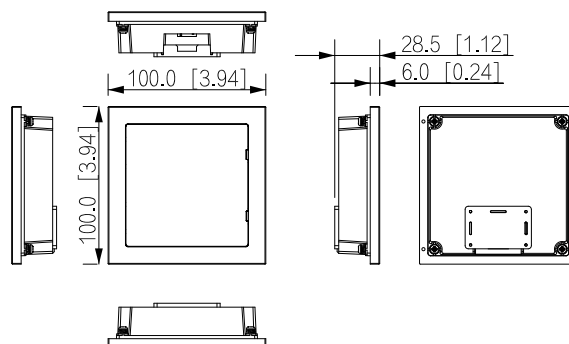


DHI-VTO4103F-MB5

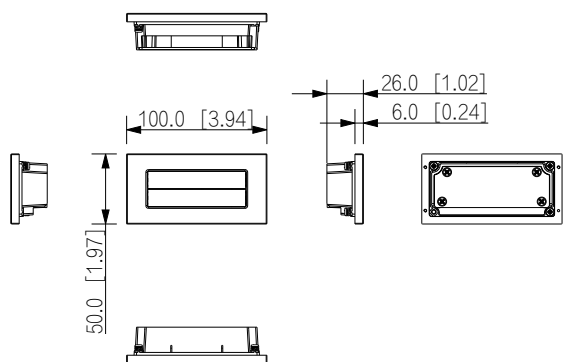




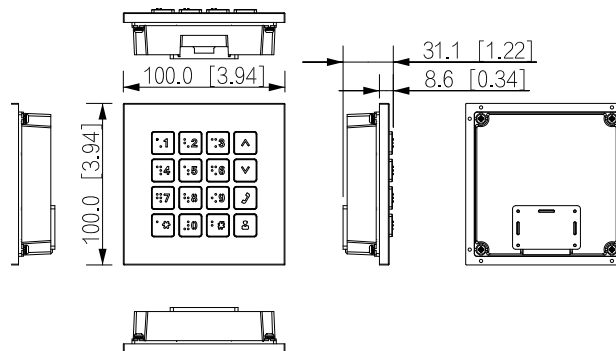
DHI-VTO4103F-MDB2



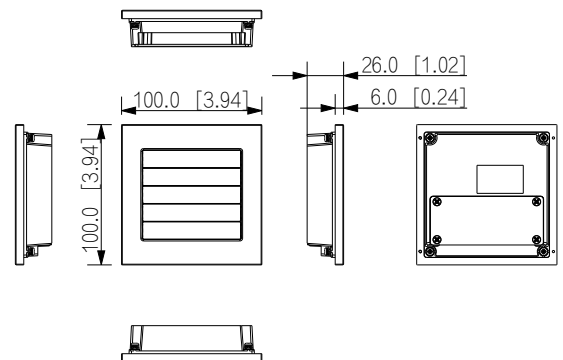
DHI-VTO4103F-MI



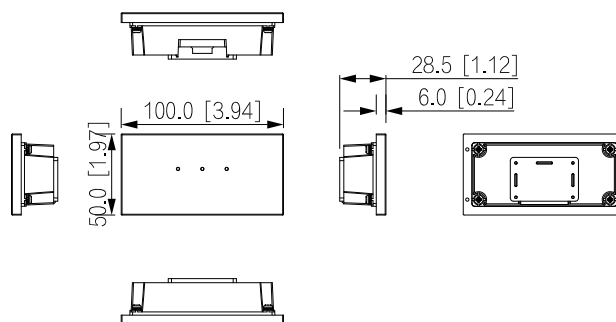
DHI-VTO4103F-MDB4



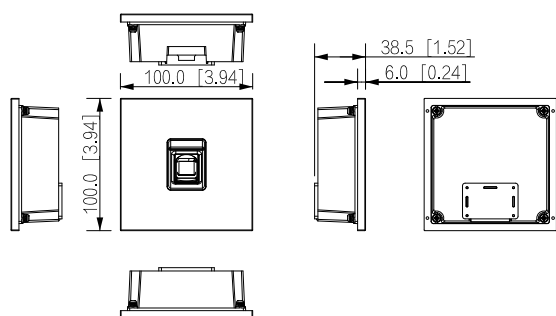
DHI-VTO4103F-MK



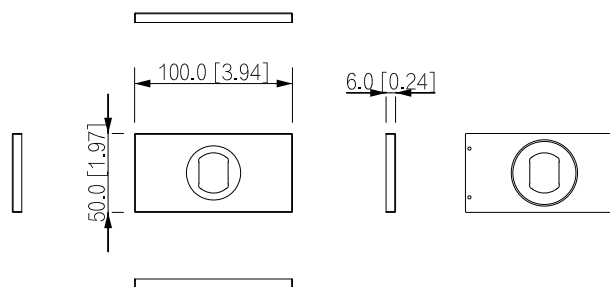
DHI-VTO4103F-MDB10



DHI-VTO4103F-ML

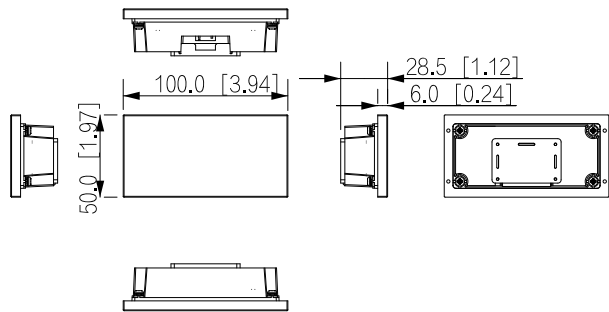


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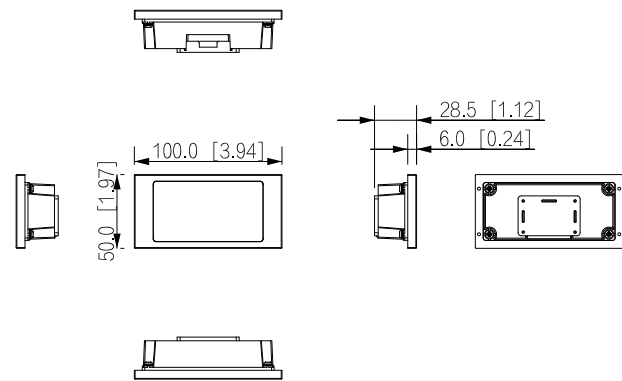


DHI-VTO4103F-MV

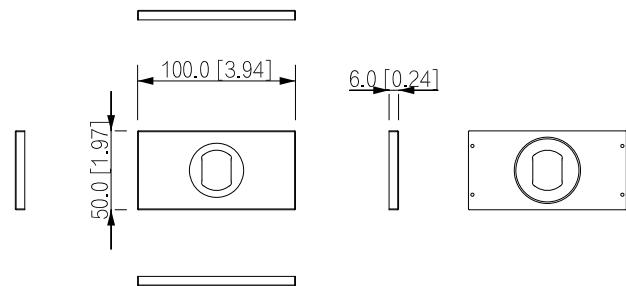
DHI-VTO4103F-X Series



DHI-VTO4103F-MN



DHI-VTO4103F-MR.DHI-VTO4103F-MR1



DHI-VTO4103F-MV