

TDIPVTO4202F-P-S2

Commercial Modular Intercom System



Technical Specification

Model TDIPVTO4202F-P-S2

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 16 Khz 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
- 2MP 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 DC 12V 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 DC 12V/2-Wire IP Interface/PoE

Installation Method Surface mount and flush mount

Accessory Mounting box

Dimensions 100 mm × 100 mm × 49.30 mm (3.94" × 3.94" × 1.94")

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%–90% (RH)

Power Consumption ≤ 12 W

Net Weight 0.35 kg (0.77 lb)

Gross Weight 0.4 kg (0.88 lb)

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Model	TDIPVTO4202F-P-S2
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System

Main Processor	Embedded MCU processor
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Capacity

Fingerprint	-
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Button

Button Type	Mechanical button
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Port

Power Output Port	DC 5V (Provide power for other modules)
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Regular

Power Supply Mode	DC 5V (Provided with power by other modules)
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Color	Silver
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Dimensions	100 mm × 49.90 mm × 30.50 mm (3.94" × 1.96" × 1.20")
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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.)
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Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
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Operating Humidity	10%–90% (RH)
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Power Consumption	1 W
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Gross Weight	0.18 kg (0.40 lb)
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Appearance Color	Silver
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System

Main Processor	Embedded MCU processor
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Button

Button Type	Metal backlight keyboard (0–9, *, #)
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Indicator

Indicator Lights	-
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Port

Power Output Port	DC 5V (Provide power for other modules)
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Regular

Power Supply Mode	DC 5V (Provided with power by other modules)
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Color	Silver
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Dimensions	100 mm × 100 mm × 31 mm (3.94" × 3.94" × 1.22")
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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.)
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Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
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Operating Humidity	10%–90% (RH)
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Power Consumption	1 W
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Gross Weight	0.32 kg (0.71 lb)
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Model	TDIPVTO4202F-P-S2
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System

Main Processor	Embedded MCU processor
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Capacity

Card	10000
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Display

Display	-
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Port

Power Output Port	DC 5V (Provide power for other modules)
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Regular

Power Supply Mode	DC 5V (Provided with power by other modules)
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Color	Silver
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Dimensions	100 mm × 49.90 mm × 28.50 mm (3.94" × 1.96" × 1.12")
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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.)
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Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
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Operating Humidity	10%–90% (RH)
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Power Consumption	1 W
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Gross Weight	0.17 kg (0.37 lb)
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Model	DHI-VTO4202F-MN
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Regular

Appearance color	Silver
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Dimensions	100 mm × 49.90 mm × 28.50 mm (3.94" × 1.96" × 1.12")
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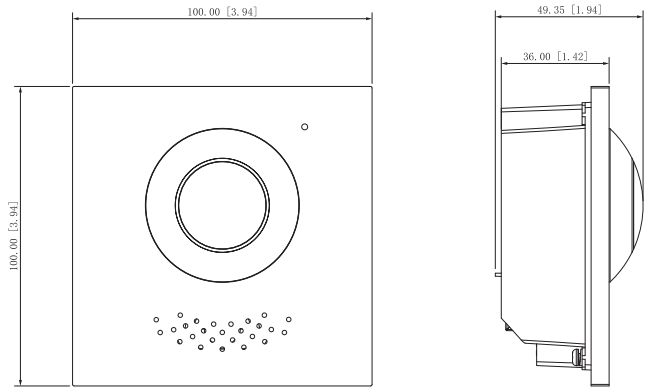
Protection grade	IK07; IP65 (Apply silica gel to gaps between the device and the wall. Liquid sodium silicate is recommended. For details, see the quick start guide.)
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Gross Weight	0.16 kg (0.32 lb)
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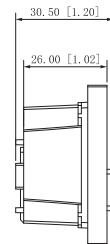
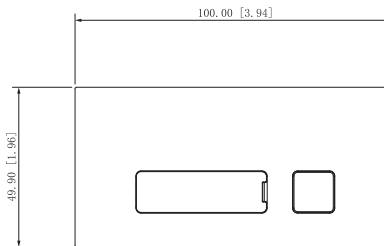
TDIPVTO4202F-P-S2

Ordering Information

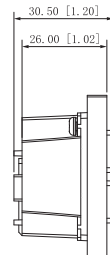
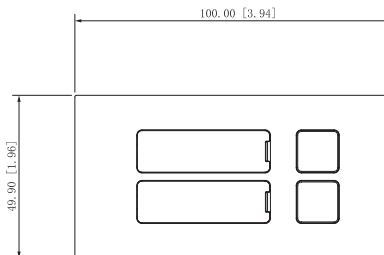
Type	Part Number	Description
Modules	DHI-VTO4202F-P	Camera module
	DHI-VTO4202F-MB1	One-button module
	DHI-VTO4202F-MB2	Two-button module
	DHI-VTO4202F-MB5	Five-button module
	DHI-VTO4202F-MS	Display module
	DHI-VTO4202F-ML	Indicator module
	DHI-VTO4202F-MK	Keyboard module
	DHI-VTO4202F-MF	Fingerprint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



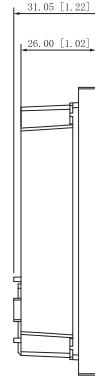
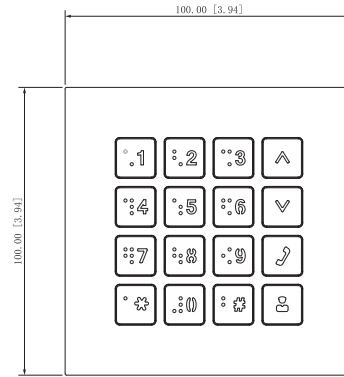
Dimensions (mm[inch])



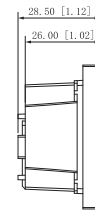
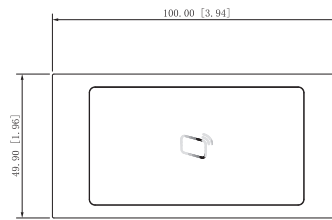
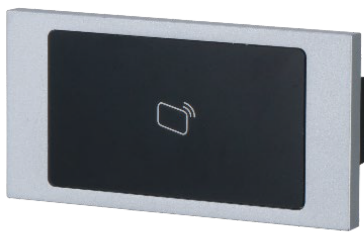
TDIPVTO4202F-MB1



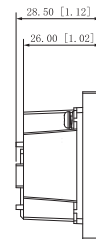
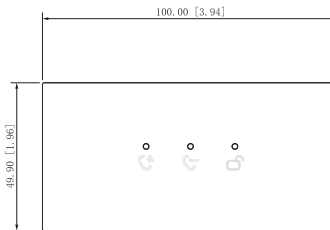
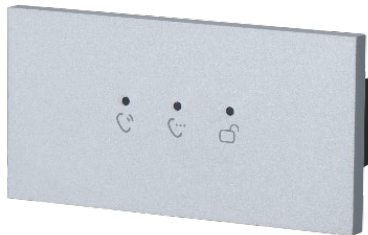
TDIPVTO4202F-MB2



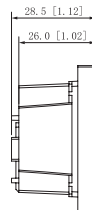
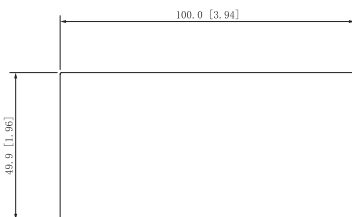
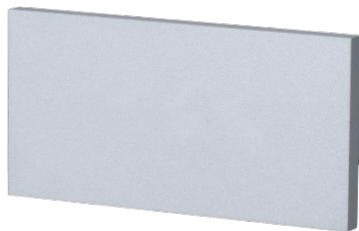
TDIPVT04202F-MK



TDIPVT04202F-MR



TDIPVT04202F-ML



TDIPVT04202F-MN

Application

