

DHI-VTO4202F-P

Modular Outdoor Station



- 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



Technical Specification

Model	DHI-VTO4202F-P	DHI-VTO4202F-MA
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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°	-
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	

Performance

Housing Material	Aluminum	-
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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
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Regular

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	
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)	

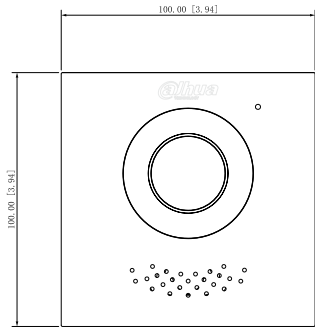
Model	DHI-VTO4202F-MB1 DHI-VTO4202F-MB2	DHI-VTO4202F-MB5	DHI-VTO4202F-MF
System			
Main Processor	Embedded MCU processor		
Button			
Button Type	Mechanical button	-	
Port			
Power Output Port	5V DC (Provide power for other modules)		
Regular			
Power Supply Mode	5V DC (Provided with power by other modules)		
Color	Silver		
Dimensions	100mm×49.90mm×30.50mm (3.94"×1.96"×1.20")	100mm×100mm×31mm (3.94"×3.94"×1.22")	100mm×100mm×38.50mm (3.94"×3.94"×1.52")
Protection Grade	IK07; IP65		
Operating Temperature	-20°C to +60°C (-4°F to +140°F)		
Operating Humidity	10%RH–90%RH		
Power Consumption	1W		
Appearance Color	Silver		
Model	DHI-VTO4202F-MK	DHI-VTO4202F-ML	
System			
Main Processor	Embedded MCU processor		
Button			
Button Type	Metal backlight keyboard (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 (3.94"×3.94"×1.22")	100mm×49.90mm×28.50mm (3.94"×1.96"×1.12")	
Protection Grade	IK07; IP65		
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	
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 (3.94"×1.96"×1.12")	100mm×100mm×28.50mm (3.94"×3.94"×1.12")
Protection Grade	IK07; IP65	
Operating Temperature	-20°C to +60°C (-4°F to +140°F)	
Operating Humidity	10%RH–90%RH	
Power Consumption	1W	

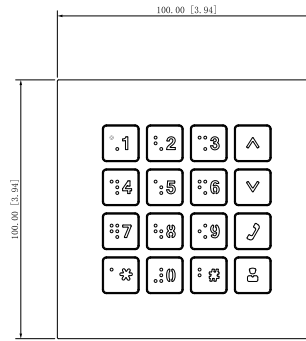
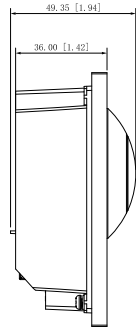
Model	DHI-VTO4202F-MN
Regular	
Appearance color	Silver
Dimensions	100mm×49.90mm×28.50mm(3.94"×1.96"×1.12")
Protection grade	IK07; IP65

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

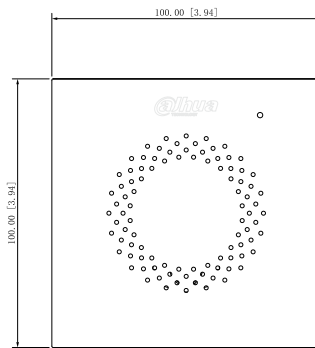
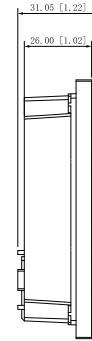
Dimensions (mm[inch])



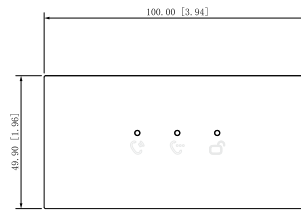
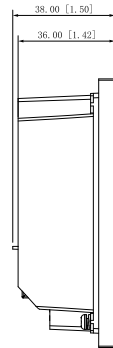
DHI-VTO4202F-P



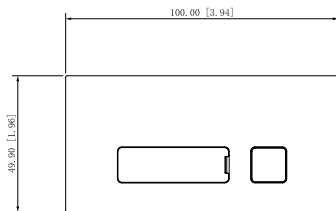
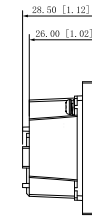
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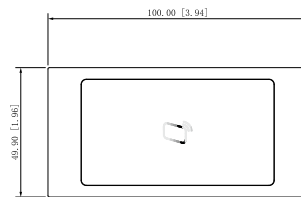
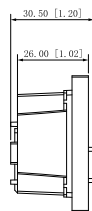
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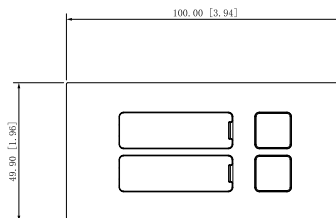
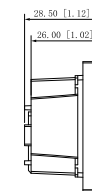
DHI-VTO4202F-ML



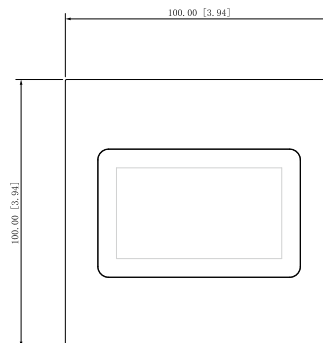
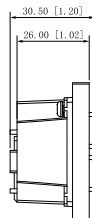
DHI-VTO4202F-MB1



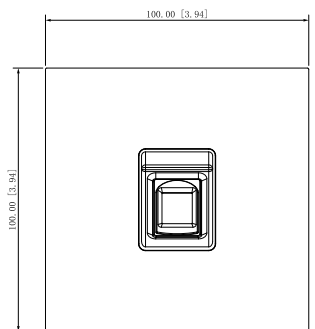
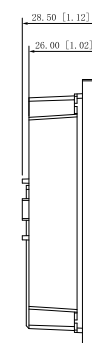
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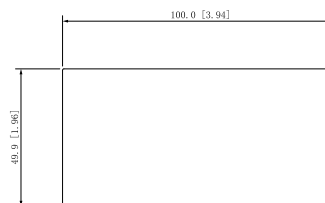
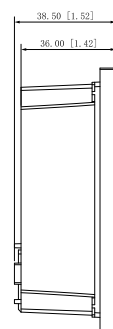
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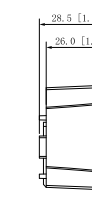
DHI-VTO4202F-MS



DHI-VTO4202F-MF



DHI-VTO4202F-MN



Application

