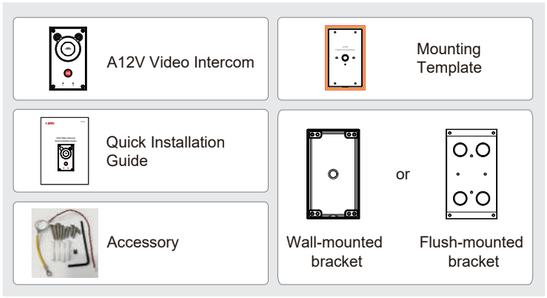
V1.0

A12V Video Intercom
Quick Installation Guide



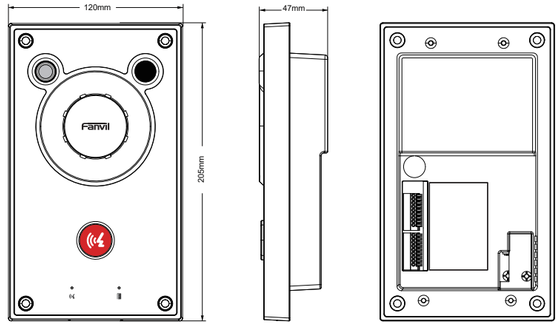
❶ Package contents



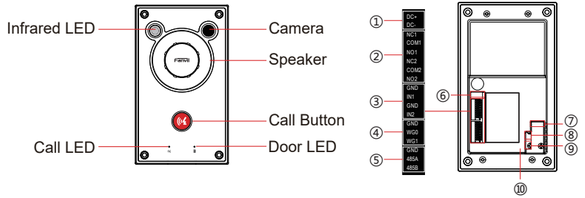
❷ Physical specification

Dimensions	205 × 120 × 47 (mm)

1) Dimensions



2) Interface description



Serial number	Description	Wiring port description
①	**Power port:** DC12V~24V/2A input	DC +, DC-
②	**Two groups of short-circuit output control ports:** used to control electric locks, alarms, etc.	NC: Normally Close Contact COM: Common Contact NO: Normally Open Contact
③	**Two groups of short-circuit input detection ports:** for connecting switches, infrared probes, door magnets, vibration sensors and other input devices.	GND, IN
④	**Wiegand port**	GND WG0: Wiegand data0 WG1: Wiegand data1
⑤	**RS-485 port**	GND, RS-485A, RS-485B
⑥	**4pin Jumper module**	Relay operating mode: External power supply (i.e. the relay does not supply external power):Connect PIN2 and PIN3 of the jumper module, and leave PIN1 and PIN4 in the air. (Default) Internal power supply (i.e. relay external power supply):Connect PIN1 to PIN2 and PIN3 to PIN4 of the jumper module. 1 4 External power supply 1 4 Internal power supply
⑦	**Ethernet port:** standard RJ45 interface, 10/100M adaptive, it is recommended to use five or five types of network cable.	Support PoE 802.3 AT class 4
⑧	**USB port**	4pin, USB peripherals can be connected via a transfer cable VBUS D- D+ GND
⑨	**Lineout port**	2pin, can be connected through the cable external power amplifier, active speaker and other equipment. - +
⑩	**Micro SD card slot**	SD cards up to 256GB can be attached. Note: The back cover should be removed before inserting the card.

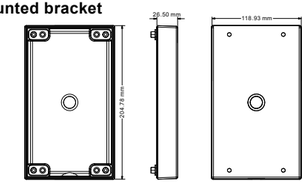
Fanvil Technology Co., Ltd
Website: www.fanvil.com
EMail: sales@fanvil.com support@fanvil.com
Tel: +86-755-2640-2199 Fax: +86-755-2640-2618
Add: 13th Floor, Building 2, Runzhi R D Center, in'an Street, Bao'an District, Shenzhen, Guangdong, China

❸ Installation diagram

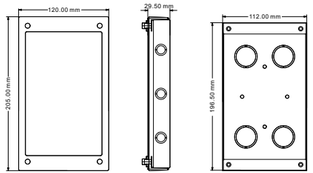
A12V series intercom has two types of accessories: WM612 wall-mounted bracket and EX612 flush-mounted bracket. You need to select the corresponding installation accessories before installation.

⚠ **The standard product comes with a WM612 wall-mounted bracket as the default installation accessory. If an EX612 flush-mounted bracket is needed, it must be purchased separately**!

WM612 Wall-mounted bracket

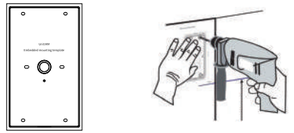


EX612 Flush-mounted bracket:

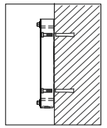


Wall-mounted installation:

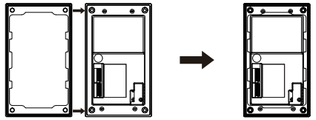
1) Paste the mounting template of the wall-mounted bracket on the wall, and then use the electric drill to make the corresponding hole position.



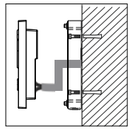
2) The white rubber plugged into the wall and the wall-mounted bracket fixed with screws to the wall.



3) Fix the sealing silicone ring on the back of A12V according to the hole position.



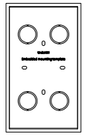
4) After connecting the power cables, network cables, and security interface cables, place the A12V on the wall-mounted bracket.



5) Power on the device, If it works normally, then use the screws to fix A12V to the wall-mounted bracket, and the installation is complete.

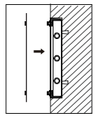
Flush-mounted installation:

1) Make a hole of the corresponding size on the wall (recommended size: the length range is 199-201mm, the width range is 114-116mm, the depth range is 20-25mm), and paste the mounting template of the flush-mounted bracket on the wall, and then use an electric drill to make the corresponding hole position.

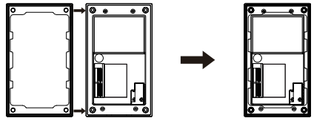




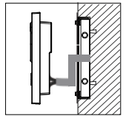
2) The white rubber plugged into the wall and the flush-mounted bracket fixed with screws to the wall, and insert the flush-mounted bracket cover plate stuck on the flush-mounted bracket.



3) Fix the sealing silicone ring on the back of A12V according to the hole position.



4) After connecting the power cables, network cables, and security interface cables, place the A12V on the flush-mounted bracket.



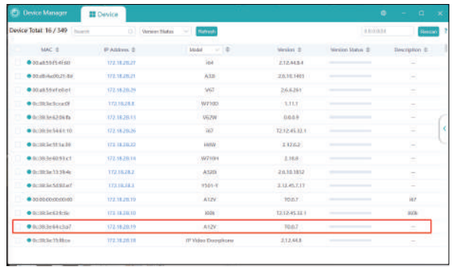
5) Power on the device, If it works normally, then use the screws to fix A12V to the flush-mounted bracket, and the installation is complete.

❹ Searching IP address

There are two methods as shown below to search the device.

Methods 1:

The default WAN mode is DHCP, querying the IP address with the Device Manager:
Download link for Device Manager:
https://www.fanvil.com.cn/downfile.aspx?filepath=https://www.fanvil.com.cn/upload/files/firmware/tools/20230919/DeviceManager_1.0.6(Installation_free).tar.gz&filename=DeviceManager_1.0.6(Installation_free).tar.gz



Method 2:

Press and hold the Call Button for 3 seconds(after power on for 30 seconds), and when the speaker beeps rapidly, press Call Button again quickly, the beeps stop, the intercom will report the IP address by itself.
In addition, device provides the device surface Call Button operation to switch IP address acquisition mode:
Press and hold the Call Button for 3 seconds, and when the speaker beeps rapidly, and then press the Call Button three times, after the success of the system automatically broadcast the current IP address.

❺ Intercom configuration

Step 1: Log in the WEB admin interface of the device

Input IP address (e.g.http://172.18.26.7) into address bar of PC's web browser.
The default user name and password are both admin.

Step 2: Add SIP account

【Line】>>【SIP】
Set SIP server address, port, username, password and SIP user with assigned SIP account parameters. Select click to take effect.

Step 3: Set the Intercom parameters

【Intercom Settings】>>【Media Settings】>>【Media Settings】>>Set the volume of the device >> Click 【Apply】to take effect.
Speakerphone Volume: Set the speaker output volume.
Handfree Mic Gain: Set the microphone volume.

Step 4: Set Call Button

【Call Button】>>【Call Button Settings】>> Set speed dial parameters for Call Buttons >> Click 【Apply】to take effect.
Type: Memory Button.
Value: The Call Button will dial to this Number 1.
Line: Working line.
Subtype: Speed Dial.

Step 5: Set the security function

【Security Settings】>>【Input Settings 】/【Output Settings 】
Two short circuits input and output configuration, trigger ring, tamper detection configuration.