DS-KIS702Y(-P)
Video Intercom Two-Wire Kit   UD29996B

HIKVISION

KD8003Y-IME2
Two-Wire Module Door Station

Diagram References

1 Appearance
① Microphone ② Low Illumination IR Supplement Light ③ Built-in Camera
④ Loudspeaker ⑤ Call Button ⑥ Nametag ⑦ TAMPER
⑧ Two-Wire Interface ⑨ Module-connecting Interface ⑩ Terminals

Note: The module-connecting interface is used to connect other function module, such as nametag module, keypad module, card reader module, etc. All these modules are known as sub module.

2 Terminal
- Ⓐ1 NC1: Door Lock Relay Output (NC)
- Ⓐ2 NO1: Door Lock Relay Output (NO)
- Ⓐ3 COM: Common Interface
- Ⓐ4 NC2: Door Lock Relay Output (NC)
- Ⓐ5 NO2: Door Lock Relay Output (NO)
- Ⓐ6 GND: Grounding
- Ⓐ7 12 VDC: Power Output
- Ⓐ8 GND: Grounding
- Ⓒ Two-Wire Interface

- Ⓑ1 AIN2: For the access of Door Contact 2
- Ⓑ2 AIN1: For the access of Door Contact 1
- Ⓑ3 AIN3: For the access of Exit Button 1
- Ⓑ4 AIN4: For the access of Exit Button 2
- Ⓑ5 485-: Module-connecting Interface
- Ⓑ6 485+: Module-connecting Interface
- Ⓑ7 12V OUT: Module-connecting Interface
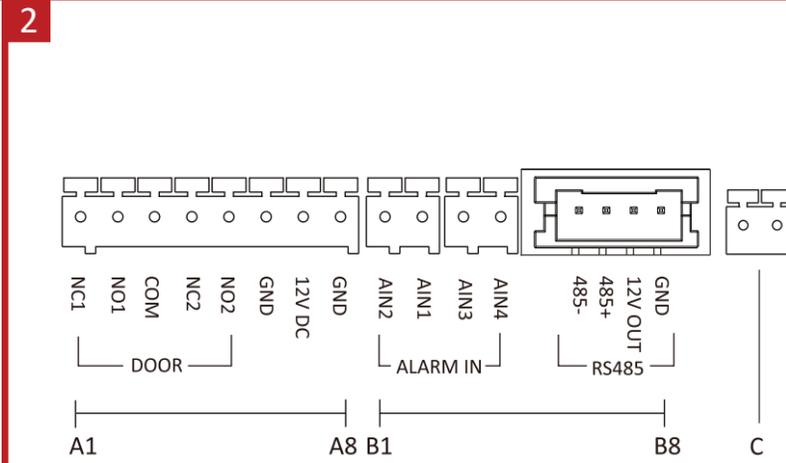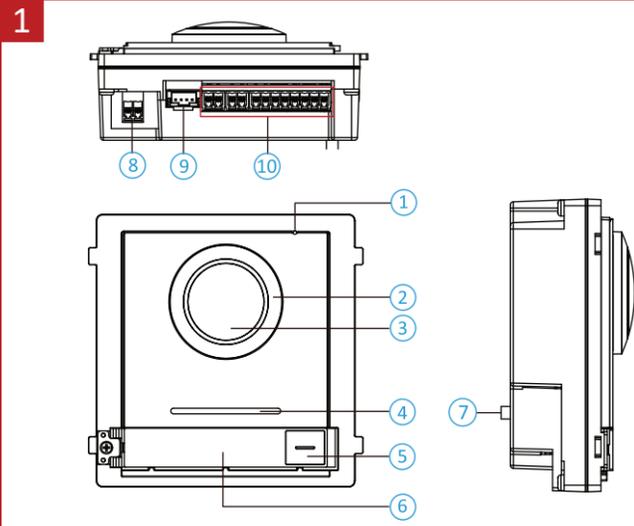- Ⓑ8 GND: Module-connecting Interface

3 Installation

Note: Video intercom module door station support one-module installation, two-module installation, three-module installation and more-than-three-module installation. Here takes three-module installation as an example.

Before you begin:
1. Tools that you need to prepare for installation: Drill (6), cross screw driver (PH1*150 mm), and gradienter.
2. Make sure all the related equipment is power-off during the installation.
3. Make sure you have configured the sub module address before installation. Valid sub module address range is 1 to 8. The No. should be unique for sub modules that connected to the same main unit. The sub module address and corresponding switch status is shown as the figure.

Sub Module Address	DIP 1	DIP 2	DIP 3	DIP 4	DIP 5	DIP 6	DIP 7	DIP 8
Module 1	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Module 2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
Module 3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
Module 4	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
Module 5	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
Module 6	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
Module 7	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
Module 8	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF

★ Three-Module Flush Mounting
1. Cave the installation hole, and pull the cable out.
Note: The suggested dimension of the installation hole is 321.8(W) × 108(H) × 45.5(D) mm. The suggested length of the cables left outside is 270 mm.
2. Select a cable entry and remove the plastic sheet. Route the cables through the gang box hole. Insert the gang box into the installation hole. Mark the gang box screw holes' position with a marker, and take out the gang box.
3. Drill 4 holes according to the marks on the wall, and insert the expansion sleeves into the screw holes. Fix the gang box with 4 expansion bolts. Fill the gap between the gang box and wall with concrete or Silicone sealant. Remove the mounting ears with tool after concrete is dry.
4. Connect cables and insert the modules.
   a. Connect Cable 1 and one end of Cable 2 to the corresponding interfaces of the main unit, then insert the main unit into the upper grid.
   b. Connect the other end of Cable 2 to the input interface of Sub Module 1. Connect one end of Sub Module 1 and insert it into the middle grid.
   c. Connect the other end of Cable 3 to the input interface of Sub Module 2. Insert it into the bottom grid.
5. Fix the cover and the main unit with 2 socket head cap screws by using a hexagon wrench.

★ Three- Module Surface Mounting
1. Paste the installation sticker 1 onto the wall. Make sure the sticker is placed horizontally via measuring with the gradienter. Drill 4 holes according to the screw holes on the sticker.
Note: The suggested size of hole is 6(diameter) × 25(depth) mm. The suggested length of the cables left outside is 270 mm.
2. Remove the sticker and insert the expansion sleeves into the screw holes. Fix the mounting frame onto the wall with 4 expansion bolts.
3. Thread the module-connecting line across the thread holes of the frame. Pass the main unit connecting line across the thread hole to the top grid and connect the cables.
   a. Connect the lines and module-connecting line 1 to the corresponding interfaces of the main unit, then place the main unit into the upper grid.
   b. Connect the other end of the module-connecting line 1 to the input interface of the sub modules via module-connecting line 2.
   c. Organize the cables with cable tie in the package.
4. Insert the modules into the frame after wiring. The main unit must be placed in the top grid.
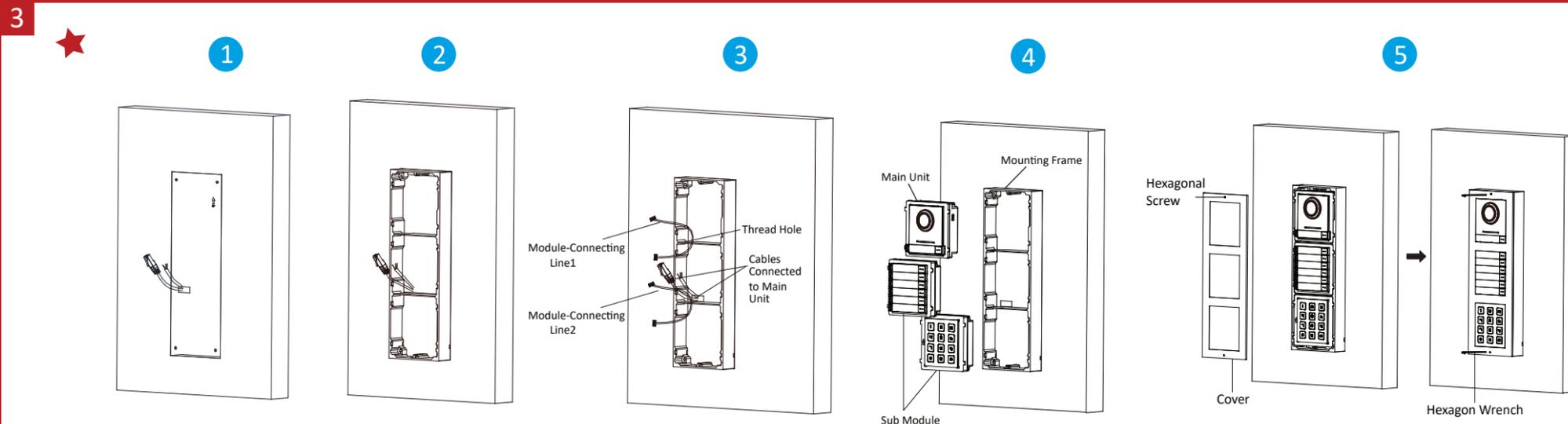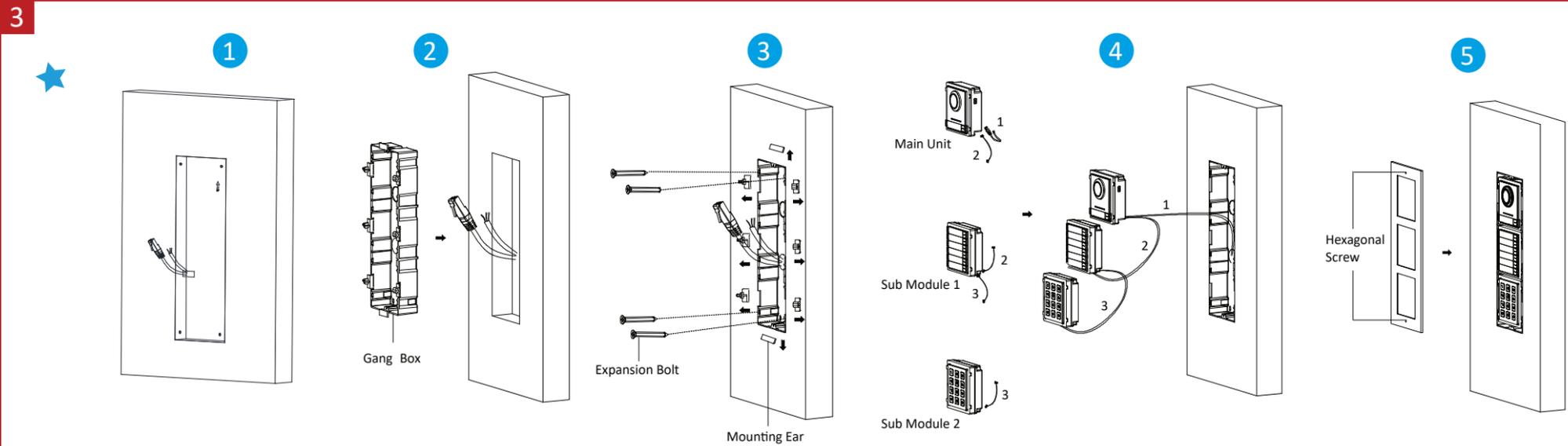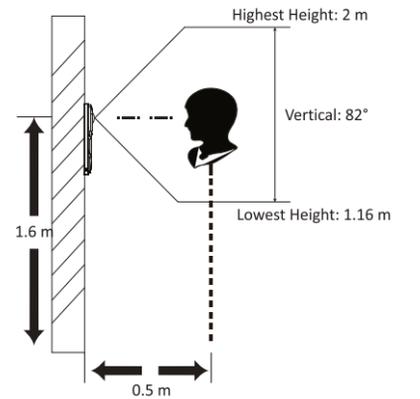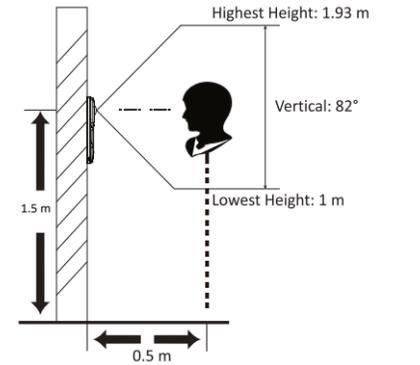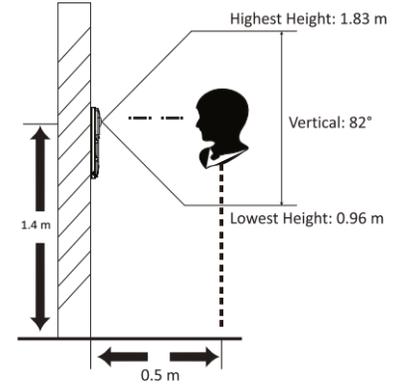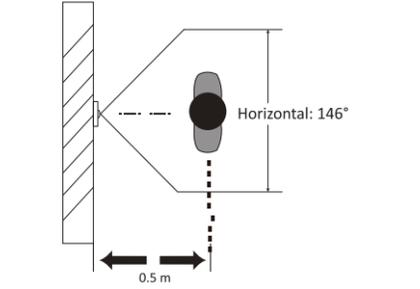5. Use the hexagon wrench in the package to fix the cover onto the frame.

4 Installation Positions
Recommended Installation Height (The distance between the camera and the ground): 1.4 m to 1.6 m
The FOV of the camera is : Horizontal: 146°, Vertical: 82°.
The highest visual height and lowest visual height of the camera is shown as picture.

Note: The power source should be qualified and meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard.

1

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

2

NC1 NO1 COM NC2 NO2 GND 12V DC GND | AIN2 AIN1 AIN3 AIN4 | 485- 485+ 12V OUT GND

DOOR | ALARM IN | RS485

A1 .... A8 B1 .... B8 C

Scan the QR code to get User Manual for details.

4 Recommended Installation Height (The distance between the camera and the ground): 1.4 m to 1.6 m

Horizontal: 146°
0.5 m

Highest Height: 1.83 m
Vertical: 82°
Lowest Height: 0.96 m
1.4 m
0.5 m

Highest Height: 1.93 m
Vertical: 82°
Lowest Height: 1 m
1.5 m
0.5 m

Highest Height: 2 m
Vertical: 82°
Lowest Height: 1.16 m
1.6 m
0.5 m

3

1 2 3 4 5

Gang Box   Expansion Bolt   Mounting Ear
Main Unit   Sub Module 1   Sub Module 2
Hexagonal Screw

3

1 2 3 4 5

Module-Connecting Line1   Thread Hole   Cables Connected to Main Unit   Module-Connecting Line2
Main Unit   Mounting Frame
Hexagonal Screw   Cover   Hexagon Wrench   Sub Module

DS-KH6320Y-WTE2
Video Intercom Two-Wire Indoor Station

Diagram References

1 Appearance
① Display Screen ② Microphone ③ Debugging Port
④ Two-Wire Interface
⑤ Loudspeaker ⑥ TF Card Slot ⑦ Alarm Terminal
Note: The debugging port is used for debugging only.

2 Wiring
There are 20 pins in the terminal on the rear panel of the indoor station: 2 RS-485 pins, 5 reserved pins, 4 relay output pins, 8 alarm input pins, and 1 GND pin.
Wire the devices with power supply cables.
Caution: Make sure all the related equipment is power-off during the installation.
Note: The power output of the indoor station is 24 VDC, 4 W.

3 Installation
The wall mounting plate and the junction box are required to install the indoor station onto the wall.
The dimension of junction box should be 75 mm (width) × 75 mm (length) × 50 mm (depth).
The dimension of wall mounting plate is shown.
Before you begin:
1. Tools that you need to prepare for installation: Make sure the device in the package is in good condition and all the assembly parts are included.
2. The power supply the indoor station supports is 24 VDC. Please make sure your power supply matches your indoor station.
3. Make sure all the related equipment is power-off during the installation.
4. Check the product specification for the installation environment.

★ Wall Mounting with Junction Box
1. Chisel a hole in the wall. The size of the hole should be 76 mm (width) × 76 mm (length) × 50 mm (depth).
2. Insert the junction box to the hole chiseled on the wall.
3. Fix the wall mounting plate to the junction box with 2 screws.
4. Hook the indoor station to the wall mounting plate tightly by inserting the plate hooks into the slots on the rear panel of the indoor station, during which the lock catch will be locked automatically.

4 Getting Started
① Activate Indoor Station
You are required to activate the device first by setting a strong password for it before you can use the device.
1. Power on the device. It will enter the activation page automatically.
2. Create a password and confirm it.
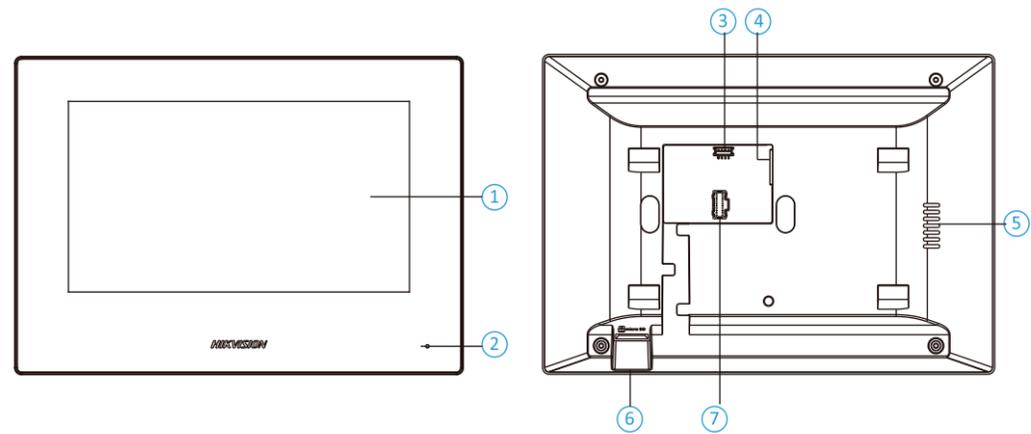3. Tap OK to activate the indoor station.

② Quick Configuration
- After Activation, you can follow the wizard to complete quick configuration, including language settings, network settings, indoor station settings, linked devices settings, etc.
- If you want to enter the wizard page, you can tap Settings → 🔳 → Configuration, and enter the admin (activation) password. Tap 🔆 to enter the system maintenance page.
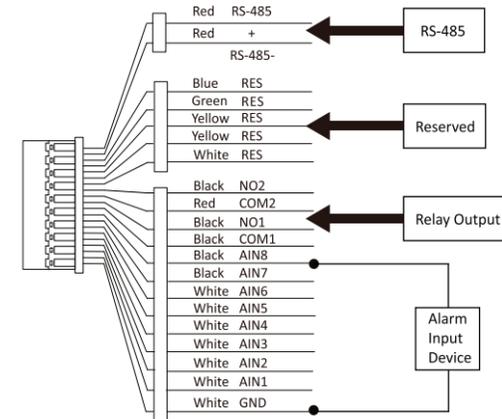
★ Refer to Video Intercom Indoor Station Configuration Guide (scan the QR code) for details.
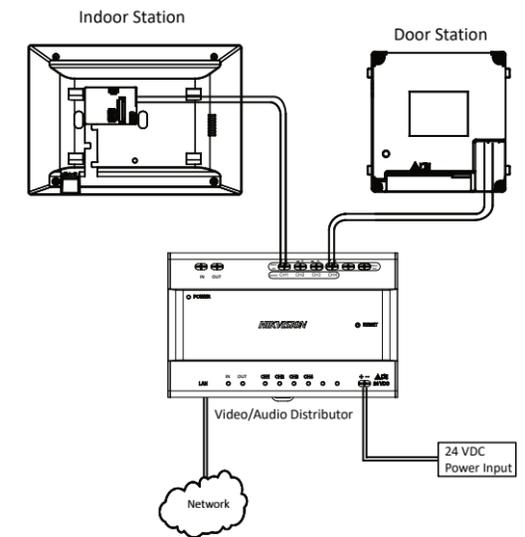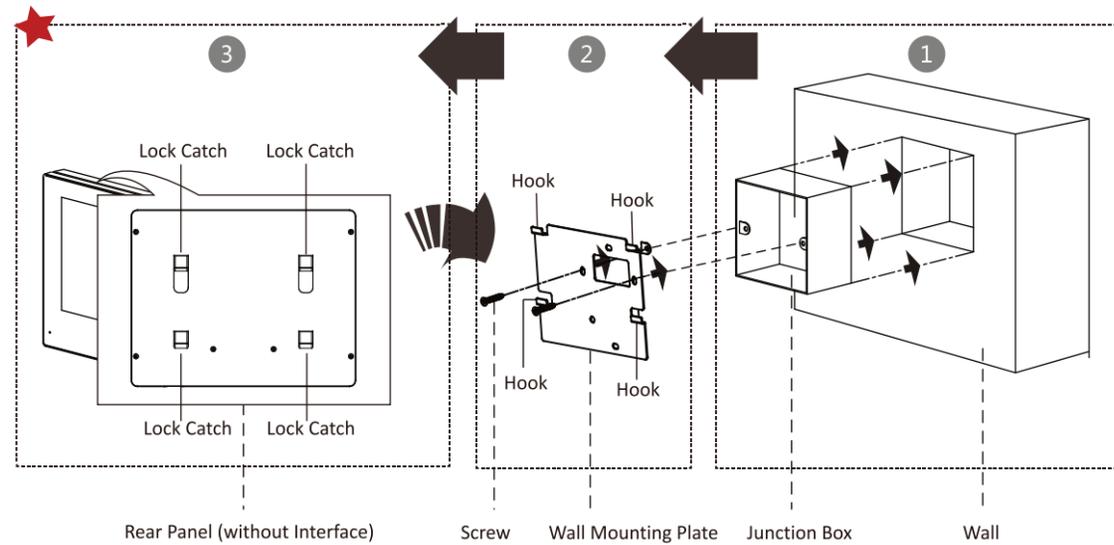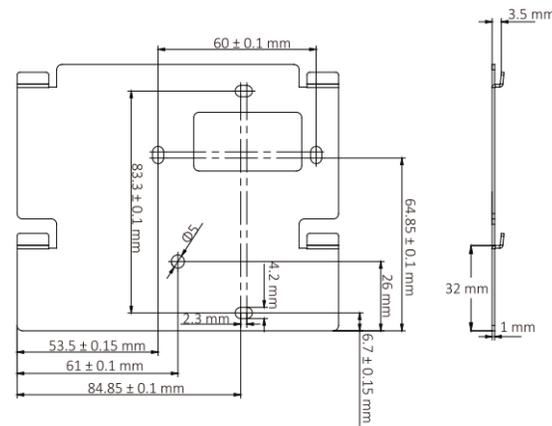★ Refer to Video Intercom Indoor Station Operation Guide (scan the QR code) for details.

Wiring diagram connections:
- Red RS-485 / Red + → RS-485 / RS-485-
- Blue RES / Green RES / Yellow RES / Yellow RES / White RES → Reserved
- Black NO2 / Red COM2 / Black NO1 / Black COM1 → Relay Output
- Black AIN8 / Black AIN7 / White AIN6 / White AIN5 / White AIN4 / White AIN3 / White AIN2 / White AIN1 → Alarm Input Device
- White GND

Installation dimensions:
60 ± 0.1 mm, 3.5 mm, 83.3 ± 0.1 mm, 64.85 ± 0.1 mm, 26 mm, 4.2 mm, 2.3 mm, 53.5 ± 0.15 mm, 61 ± 0.1 mm, 84.85 ± 0.1 mm, 6.7 ± 0.15 mm, 32 mm, 1 mm

Lock Catch / Lock Catch / Hook / Hook / Rear Panel (without Interface) / Screw / Wall Mounting Plate / Junction Box / Wall

Note:
The power adapter is contained only in the DS-KIS702Y-P Kit.

The detail for the power adapter contained in the package is as follows:

Model	Manufacturer
KPL-060M-II	Channel Well Technology Co., Ltd

Indoor Station / Door Station / Video/Audio Distributor / 24 VDC Power Input / Network

---

DS-KAD704Y
Video Intercom Two-Wire Video/Audio Distributor

Diagram References

1 Appearance
① Power Indicator ② Cascade Interface ③ Terminals ④ LAN
⑤ Cascade Network Indicator ⑥ Network Indicator ⑦ Power Input ⑧ Reset
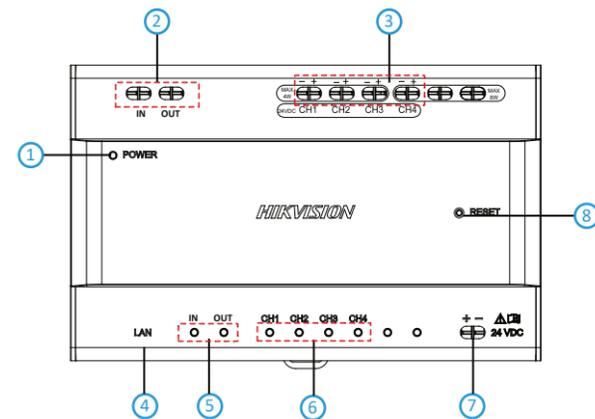
2 Wiring
Wire the devices with power supply cables.
Door station should be connected to CH4 of the video/audio distributor with two-wire cables.
Indoor Station should be connected to any terminal of CH1 to CH3 of the video/audio distributor with two-wire cables.
Caution: Make sure all the related equipment is power-off during the installation.
Note: The power output of CH1 to CH3: 12 VDC, Max. 4W. The power output of CH4: 24 VDC, Max. 8W.

3 Installation
Before you begin:
Make sure the device in the package is in good condition.
Make sure all the related equipment is power-off during the installation.
Check the product specification for the installation environment.
★ 1. Fix the DIN rail onto the wall.
Note: You are required to utilize a matched DIN rail.
2. Press the red clip upward, and lock it to the DIN rail.

POWER / RESET / LAN / IN OUT / CH1 CH2 CH3 CH4 / 24 VDC