DS-KV8X13-WME1(C)

HIKVISION

Video Intercom Villa Door Station

UD29242B-A

Diagram References

1 Appearance

① Microphone ② Indicator ③ Camera ④ Loudspeaker ⑤ Button
⑥ Card Reading Area ⑦ IR Light ⑧ Micro SD Card Slot (Reserved) & Debugging Port
⑨ Network Interface ⑩ Terminals

Note: The debugging port is used for debugging only.

Indicator Description   Unlock: Green   Call: Orange   Communicate: White

2 Terminal and Wiring

NC: Door Lock Relay Output (NC)
NO: Door Lock Relay Output (NO)
COM: Common Interface
AIN1: For the access of Door Contact
AIN3: For the access of Exit Button
AIN2&AIN4: Reserved

485-: RS-485 Interface (Reserved)
485+: RS-485 Interface (Reserved)
12 VDC IN: Power Supply Input
GND: Grounding
LAN: Network Interface

3 Installation Accessory

① Mounting Template ② Mounting Plate

Note: The dimension of the mounting plate is 174 mm × 83.66 mm × 18 mm.

4 Installation

Note: Video intercom villa door station supports surface mounting.

Before You Start

● Make sure all related equipments are power-off during the installation.
● Tools that you need to prepare for installation: Drill (ø2.846) and gradienter.
● Purchase the protective shield before installation.

⭐ **Surface Mounting without Protective Shield**

1. Stick the mounting template on the wall. Drill screw holes according to the mounting template. Remove the template from the wall.
2. Secure the mounting plate on the wall with 4 supplied screws according to the screw holes.
3. Secure the device on the mounting plate with 4 supplied set screws.
4. Fix the cover onto the device with the screw.

⭐ **Surface Mounting with Protective Shield**

1. Stick the mounting template on the wall. Drill screw holes according to the mounting template. Remove the template from the wall.
2. Align the protective shield with mounting template.
3. Secure the mounting plate on the wall with 4 supplied screws according to the screw holes.
4. Secure the device on the mounting plate with 4 supplied set screws.
5. Fix the cover onto the device with the screw.

⭐ **Flush Mounting without Protective Shield**

1. Stick the mounting template on the wall. Drill the hole according to the mounting template. Remove the template from the wall. The suggested size of hole is 169.4 mm × 86.2mm × 33.5 mm.
2. Install the gang box into the hole with 4 screws.
3. Insert the device to the gang box. Secure the device with 4 supplied screws.
4. Fix the cover onto the device with the screw.

⭐ **Flush Mounting with Protective Shield**

1. Stick the mounting template on the wall. Drill the hole according to the mounting template. Remove the template from the wall. The suggested size of hole is 169.4 mm×86.2 mm×33.5mm.
2. Install the gang box into the hole with 4 screws.
3. Align the protective shield with gang box.
4. Insert the device to the gang box. Secure the device with 4 supplied screws.
5. Fix the cover onto the device with the screw.

5 Configuration via Web

① **Activate Device via Web**

You are required to activate the device first by settings a strong password before you can use the device.

Default parameters of door station are as follows:
● Default IP Address: 192.0.0.65.
● Default Port No.:8000.
● Default User Name: admin

1. Power on the device, and connect the device to the network.
2. Enter the IP address into the address bar of the web browser, and click Enter to enter the activation page.

Note: The computer and the device should belongs to the same subnet.

3. Create and enter a password into the password field.
4. Confirm the password.
5. Click OK to activate the device.

Note: When the device is not activated, the basic operation and remote configuration of device cannot be performed.

② **Access to the Device by Web Browsers**

1. In the browser address bar, enter the IP address of the device, and press the Enter key to enter the login page.
2. Enter the user name and password and click Login.

③ **Communicate with Indoor Station**

1. Click Settings -> Intercom -> Press Button to Call to enter the settings page.
2. Set the parameters.
   - Edit call No. for every button.
   - Check Call Management Center to set the button calling center.

Note: If you check Call Management Center and set the call No. as well, call management center has higher privilege than call No.

3. Press button to call indoor station.

④ **Issue Card**

1. Click User to enter the settings page.
2. Click Add -> Add Card. Present the card on the card reading area.
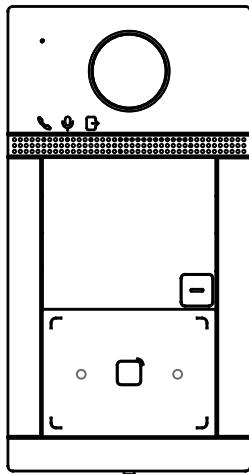3. When issuing finished, the windows pop up on the settings page.

Note:
● Only M1 card supported, and M1 card with non-standard shape is recommended.
● Up to 10000 cards can be issued and managed by V series door station. A voice prompt (No more cards can be issued.) can be heard when the issued card amount exceeds the upper limit.
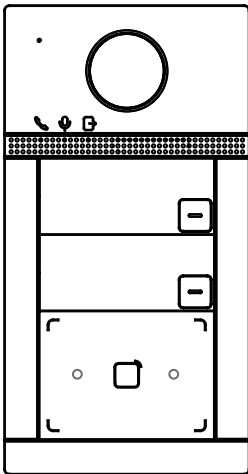
⑤ **Unlock Door**

After issuing cards, you can unlock the door by presenting the issued cards.

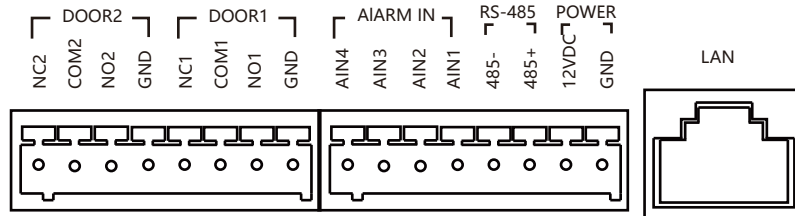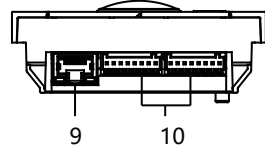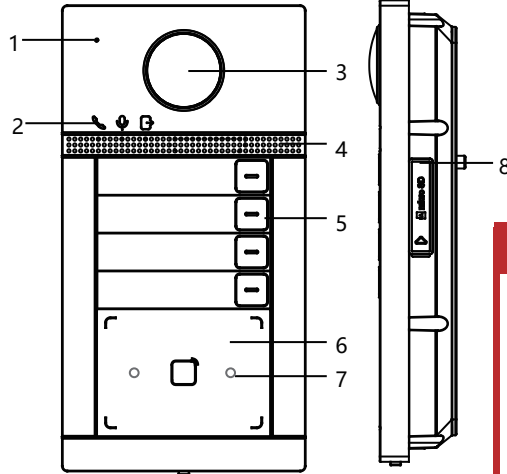Refers to Video Intercom Villa Door Station User Manual (scan the QR code) for details.

1

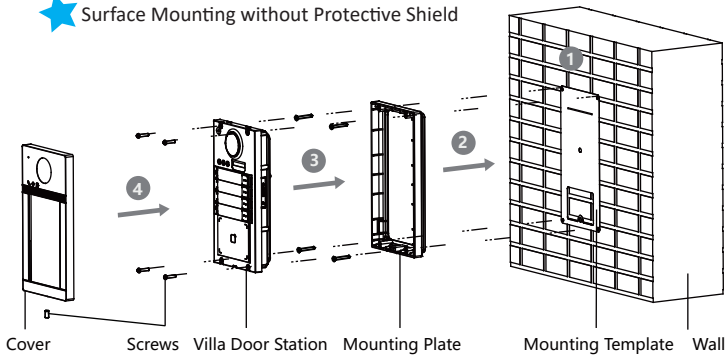Single-Button   Two-Button   Four-Button

1 · 2 · 3 · 4 · 5 · 6 · 7 · 8 · 9 · 10

2

DOOR2: NC2 COM2 NO2 GND
DOOR1: NC1 COM1 NO1 GND
ALARM IN: AIN4 AIN3 AIN2 AIN1
RS-485: 485- 485+
POWER: 12VDC GND
LAN

4

⭐ Surface Mounting without Protective Shield

Cover   Screws   Villa Door Station   Mounting Plate   Mounting Template   Wall

★ Flush Mounting without Protective Shield

Cover   Screws   Villa Door Station   Gang Box   Wall

⭐ Surface Mounting with Protective Shield

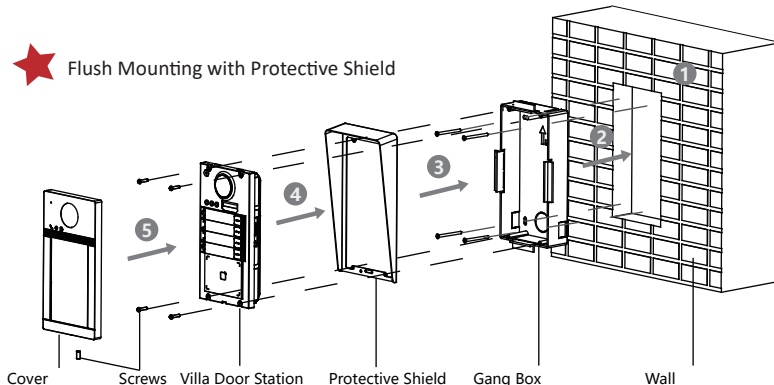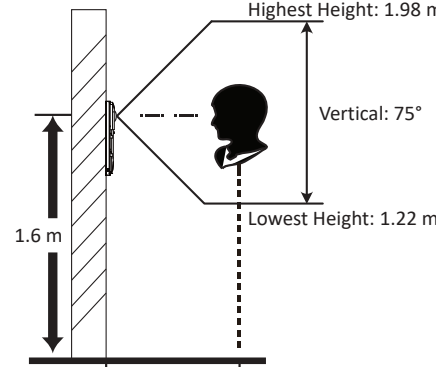Cover   Screws   Villa Door Station   Mounting Plate   Protective Shield   Mounting Template   Wall

★ Flush Mounting with Protective Shield

Cover   Screws   Villa Door Station   Protective Shield   Gang Box   Wall

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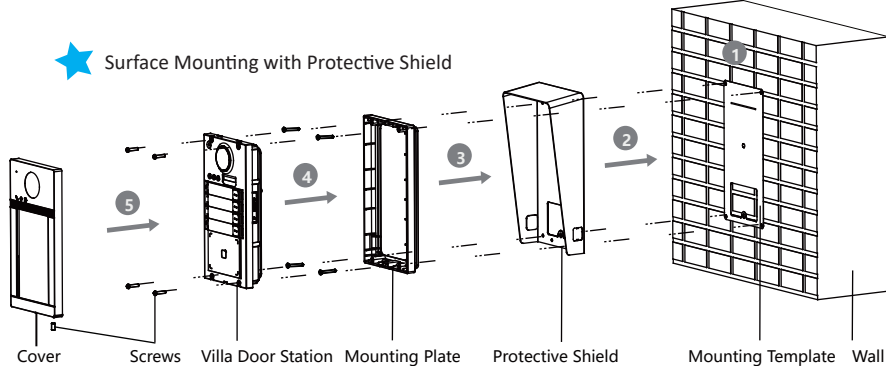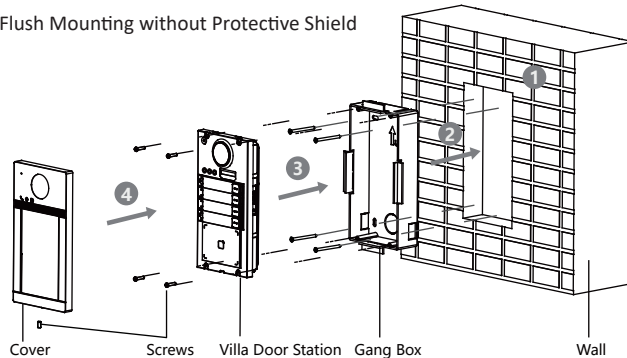
Recommended Installation Height (The distance between the camera and the ground): 1.4 m to 1.6 m

Horizontal: 124°
0.5 m

Highest Height: 1.78 m
Vertical: 75°
Lowest Height: 1.02 m
1.4 m
0.5 m

Highest Height: 1.88 m
Vertical: 75°
Lowest Height: 1.12 m
1.5 m
0.5 m

Highest Height: 1.98 m
Vertical: 75°
Lowest Height: 1.22 m
1.6 m
0.5 m

2 Terminal and Wiring Description

2.1 Terminal Description

Figure 2-1 Terminal Description

Table 2-1 Description of Terminal and Interfaces

Name	Interface	Description
DOOR	NC2	Door Lock Relay Output 2 (NC)
	COM2	Common Interface
	NO2	Door Lock Relay Output 2 (NO)
	GND	Grounding
	NC1	Door Lock Relay Output 1 (NO)
	COM1	Common Interface
	NO1	Door Lock Relay Output 1 (NO)
	GND	Grounding
ALARM IN	AI1	Alarm Input 1 (For the access of Door Contact)
	AI2	Alarm Input 2 (For the access of Door Contact) **Note** Before accessing to the Door Contact, select **Input** as **Door Status** in **I/O Settings** page first.

Name	Interface	Description
	AI3	Alarm Input 3 (For the access of Exit Button)
	AI4	Alarm Input 4 (For the access of Exit Button) **⎚ Note** Before accessing to the Exit Button, select **Input** as **Exit Button** in **I/O Settings** page first.
RS-485	485+	RS-485 Communication Interface
	485-	
Power Input	12 VDC	12 VDC Input
	GND	
Network	LAN	Network Interface

2.2 Wiring Description

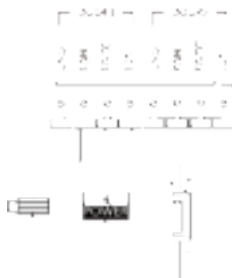### 2.2.1 Door Lock Wiring

Figure 2-2 Door Lock Wiring

Note

- Terminal NC1/COM1 is set as default for accessing magnetic lock/electric bolt; terminal NO1/COM1 is set as default for accessing electric strike.
- To connect electric lock in terminal NO2/COM2/NC2, it is required to set the output of terminal NO2/COM2/NC2 to be electric lock with iVMS-4200 client software.
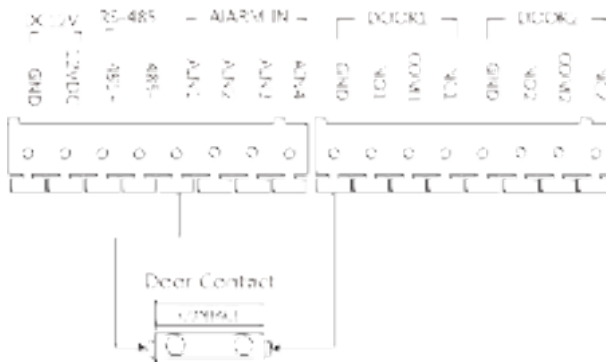
2.2.2 Door Contact Wiring

Figure 2-3 Door Contact Wiring

2.2.3 Exit Button Wiring

Figure 2-4 Exit Button Wiring

2.2.4 Alarm Input Device Wiring

Figure 2-5 Alarm Input Device Wiring