ENGLISH

Diagram References

1 Appearance

① Microphone ② Camera ③ Indicator ④ Button ⑤ Card Reading Area
⑥ Loudspeaker ⑦ Terminals ⑧ Debugging Port ⑨ TAMPER
⑩ Set Screw ⑪ TF Card Slot ⑫ Network Interface

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

3 Installation Accessory

① Mounting Template   ② Mounting Plate

Note: The dimension of the mounting plate is 102.58 mm × 39.24 mm × 6.2 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. Install the villa door station to the mounting plate. Fix the device on the mounting plate with the set screw.
Note: Apply silicone sealant among the cable wiring area to keep the raindrop from entering. Please refer to figure A.

★ Surface Mounting with Protective Shield
1. Stick the mounting template on the wall. Drill the screw holes according to the mounting template. Remove the template from the wall.
2. Align the protective shield with the mounting template.
3. Secure the mounting plate and protective shield on the wall with 4 supplied screws according to the screw holes.
4. Install the villa door station to the mounting plate. Fix the device on the mounting plate with the set screw.
Note: If installing outdoors, you are advised to install the device with protective shield. For the finished view, please refer to figure B.

5 Configuration via Web

❶ 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.

❷ 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.

❸ 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.

❹ Issue Card
1. Click Settings -> Access Control and Elevator Control to enter the settings page.
2. Click Issue 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 Mifare 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.
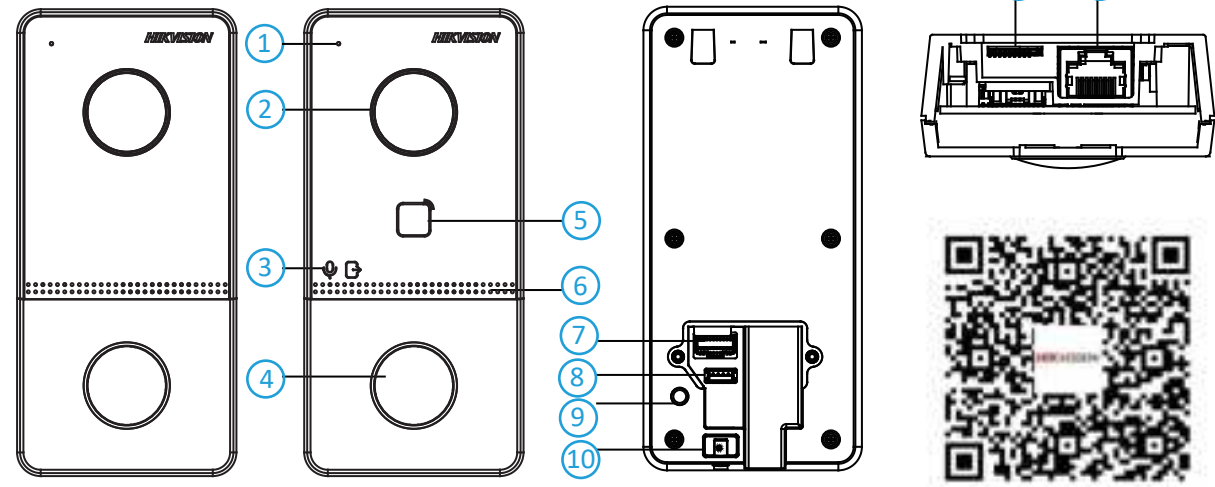
❺ Unlock Door
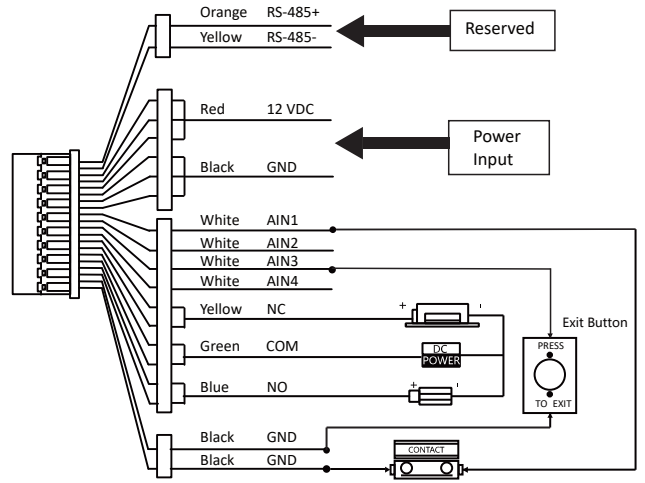After issuing cards, you can unlock the door by presenting the issued cards.
📄 Refers to Video Intercom Villa Door Station User Manual (scan the QR code) for details.
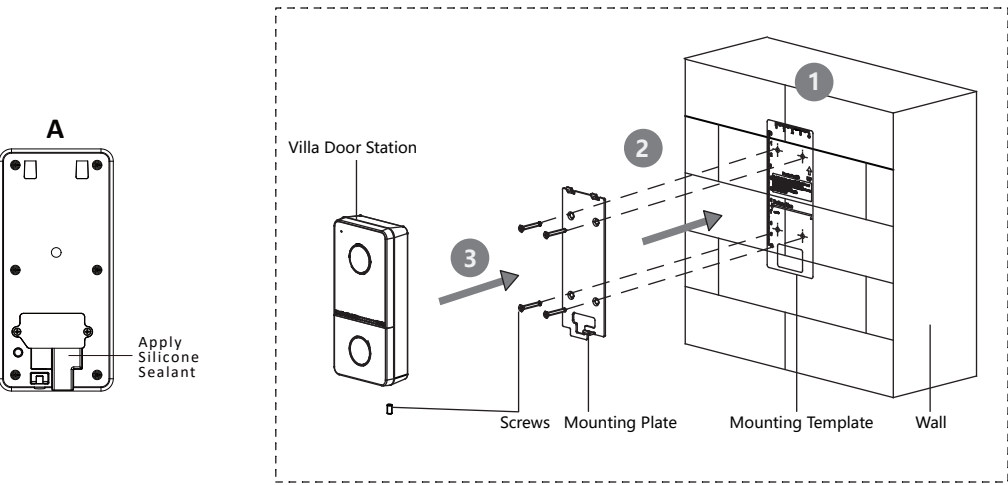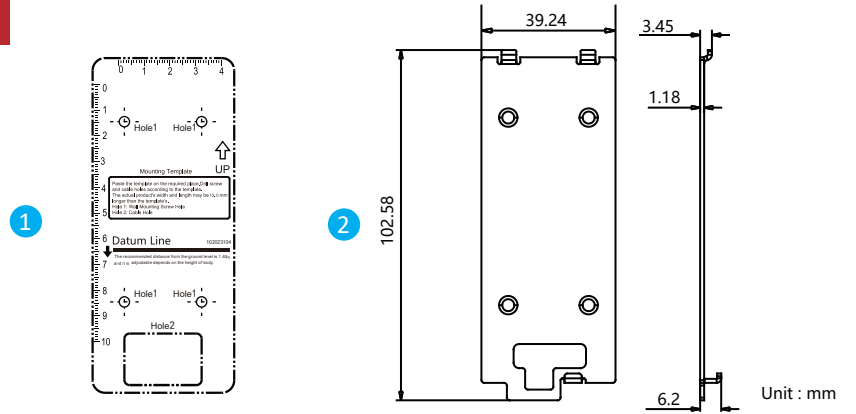

1

DS-KV6103-PE1(C)   DS-KV6113-WPE1(C)

2

Orange RS-485+
Yellow RS-485-   ← Reserved

Red   12 VDC
Black GND   ← Power Input

White AIN1
White AIN2
White AIN3
White AIN4
Yellow NC
Green COM
Blue   AIN NO

Black GND
Black GND

Exit Button — PRESS TO EXIT
CONTACT

3

⭐ Surface Mounting without Protective Shield

A

Apply Silicone Sealant

Villa Door Station
① ② ③
Screws Mounting Plate Mounting Template Wall

⭐ Surface Mounting with Protective Shield

B

Villa Door Station
Screws
① ② ③ ④
Screws Mounting Plate Protective Shield Mounting Template Wall

4

① Mounting Template
② Mounting Plate

39.24
3.45
1.18
102.58
6.2
Unit : mm

5

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

Horizontal: 129°
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
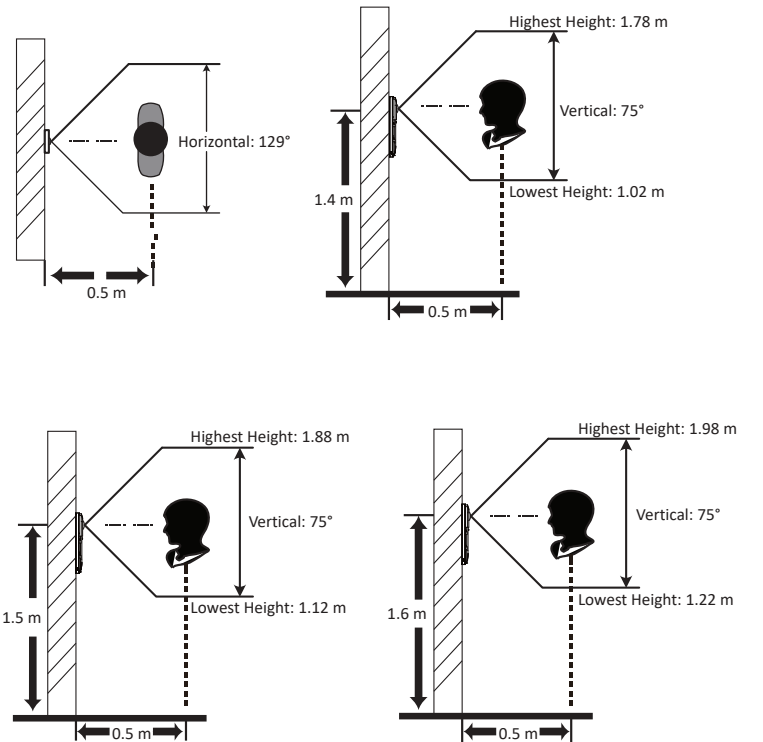
Chapter 2 Terminal and Wiring Description

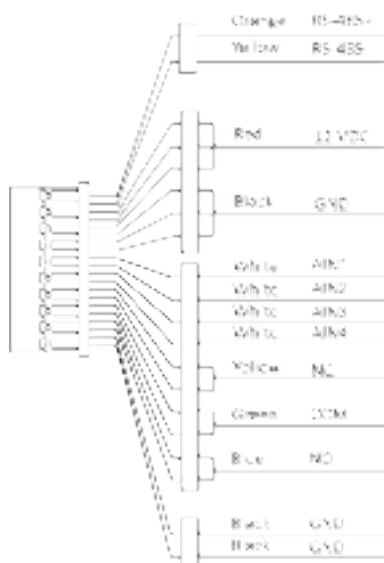## 2.1 Terminal Description

Figure 2-1 Terminal Description

Note

RS-485 terminal is not supported.

2.2 Wiring Description
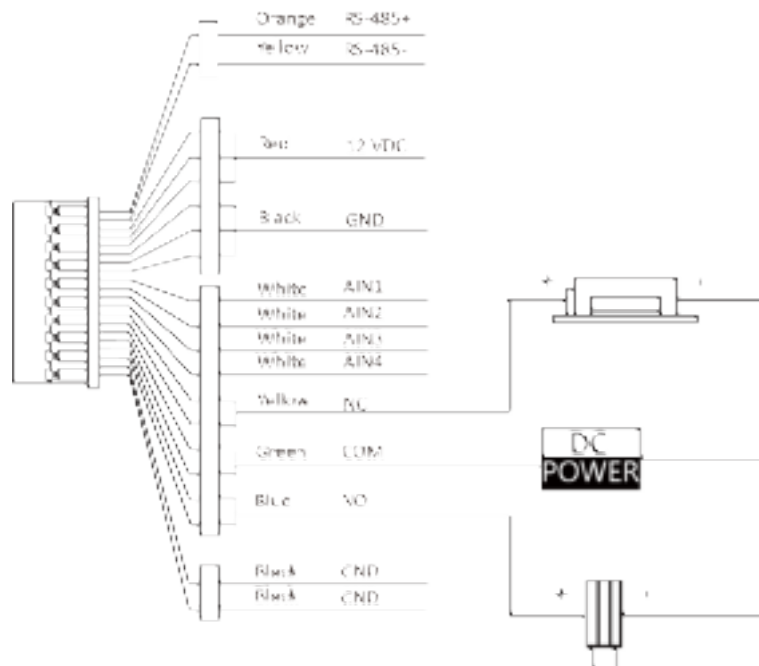
2.2.1 Door Lock Wiring

Figure 2-2 Door Lock Wiring

Note

Terminal NC/COM is set as default for accessing magnetic lock/electric bolt; terminal NO/COM is set as default for accessing electric strike.
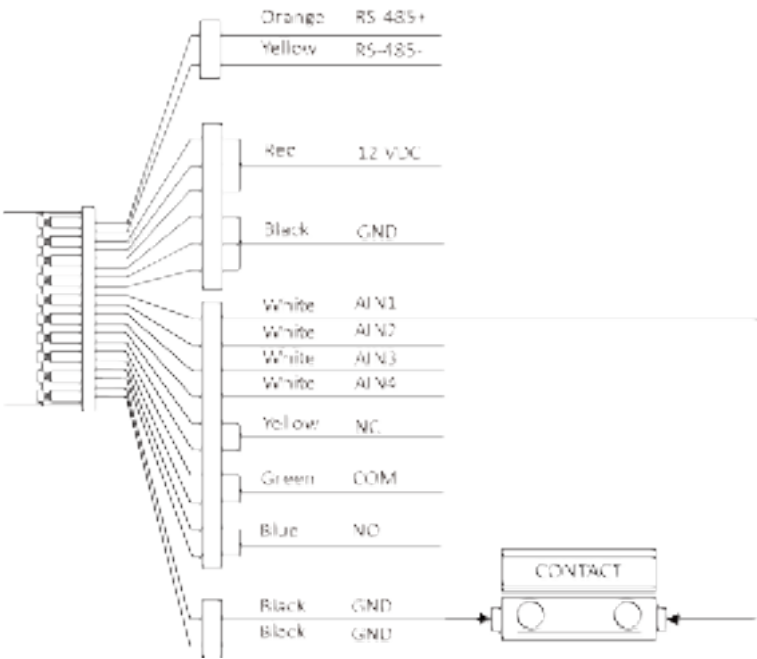
2.2.2 Door Contact Wiring

Figure 2-3 Door Contact Wiring
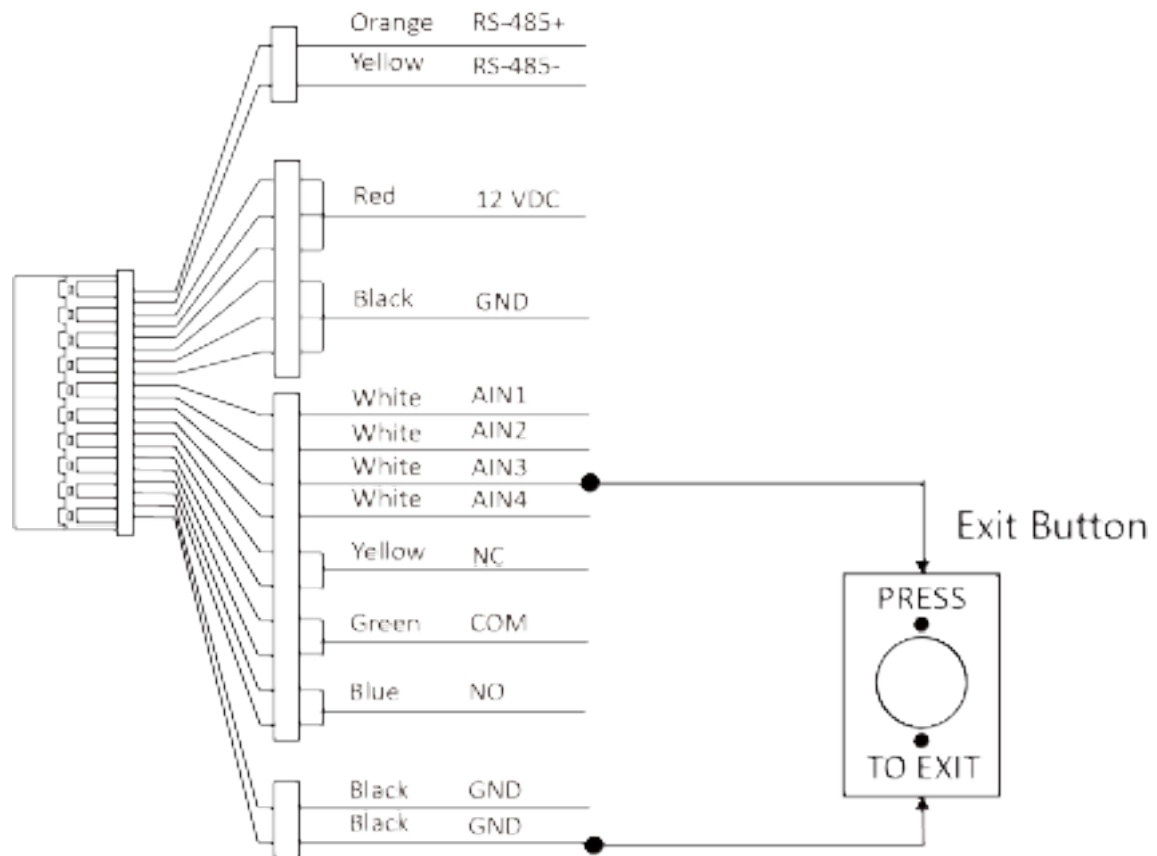
2.2.3 Exit Button Wiring

Figure 2-4 Exit Botton Wiring

DS-KH9510-WTE1(B)
Video Intercom Network Indoor Station

The KH9 series IP indoor station, with 10-inch touch screen and Android system, brings you a fluent video and audio communication. You can install the third-party application in the device according to your actual need. Hikvision's Hik-Connect app is also pre-installed in the device, which helps you to manage Hikvision's device integratedly, without system switching.

- 10.1-inch colorful touch screen with 1024 × 600 resolution
- Built-in Android System
- Supports Android APP installation
- Support for three-party software integration
- Built-in Hik-Connect APP
- For all-in-one management of Hikvision's devices on tablet

▪ **Specification**

System parameters	
Operation system	Android 10.1
ROM	8 GB
RAM	2 GB
Processor	Embeded high performance processor
Display parameters	
Screen size	10.1-inch
Operation method	Capacitive touch screen
Type	Colorful IPS
Resolution	1024 × 600
Video parameters	
Lens	/
Resolution	/
FOV	/
Wide dynamic range (WDR)	/
Video compression standard	H.265；H.264
Focal length	/
Audio parameters	
Audio input	1 built-in omnidirectional microphone
Audio compression standard	G722.1, OPUS, AAC_LC, AAC_LD, G726, G711.U, G711.A
Audio output	1 built-in loudspeaker
Audio compression bitrate	64 Kbps
Audio quality	Noise suppression and echo cancellation
Volume adjustment	Adjustable
Capacity	
Message capacity	200 captured pictures, 200 alarm records
Notice capacity	200
Linked indoor extensions capacity	16
Linked network camera capacity	16
Linked doorphone capacity	17
Network parameters	
Network protocol	TCP/IP, SIP, RTSP
Wi-Fi	2.4 GHz, IEEE802.11b, IEEE802.11g, IEEE802.11n
Bluetooth	/
3G/4G	/
Zigbee	/
Device interfaces	
Alarm input	8
Network interface	1 RJ-45 10/100 Mbps self-adaptive
TAMPER	/
RS-485	1 RS-485 (Half duplex)
TF card	Support TF card, up to 128 G
Alarm output	1

| Lock control	1 relay, Max. 30 VDC 0.3 A, and 1 high/low level relay (3.3 V/0V)
General	
Button	/
Installation	Surface mounting
Indicator	/
Weight	Net weight: 875 g Gross weight: 1060 g
Protective level	/
Working temperature	-10 °C to 50 °C (14 °F to 122 °F)
Working humidity	10% to 90% (no-condensing)
Dimension (W × H × D)	254 mm × 166 mm × 26.65 mm (10.0" × 6.54" × 1.05")
Battery	/
Power supply	12 VDC, 1 A, IEEE802.3af, standard PoE
Application environment	Indoor
Power consumption	≤ 12 W
Language	English, Arabic, French, Russian, Spanish, Spanish (Latin America), Italian, German, Polish, Turkish, Portuguese, Portuguese (Brazil), Czech, Hungarian, Dutch, Romanian, Bulgarian, Ukrainian, Croatian, Serbian, Greek, Lithuanian, Estonian, Latvian, Norwegian, Danish, Slovenian, Slovak, Hebrew, Swedish, Finnish, Mongolian, Vietnamese, Traditional Chinese

▪ Physical Interface

No.	Description	No.	Description
1	Screen	7	Debugging Port
2	Microphone	8	microUSB Interface
3	Unlock Button	9	Loudspeaker
4	Power Supply Interface	10	Reserved
5	Alarm Terminals	11	TAMPER
6	RS-485/Relay Interface	12	Network Interface
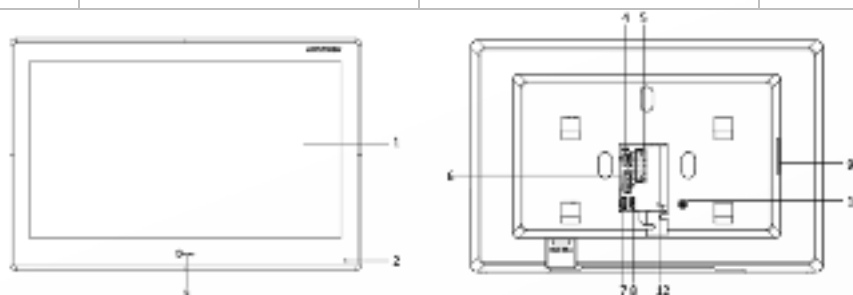
▪ Available Model

DS-KH9510-WTE1(B)

▪ Dimension

254 [10.00]

27.65 [1.09]

166 [6.54]
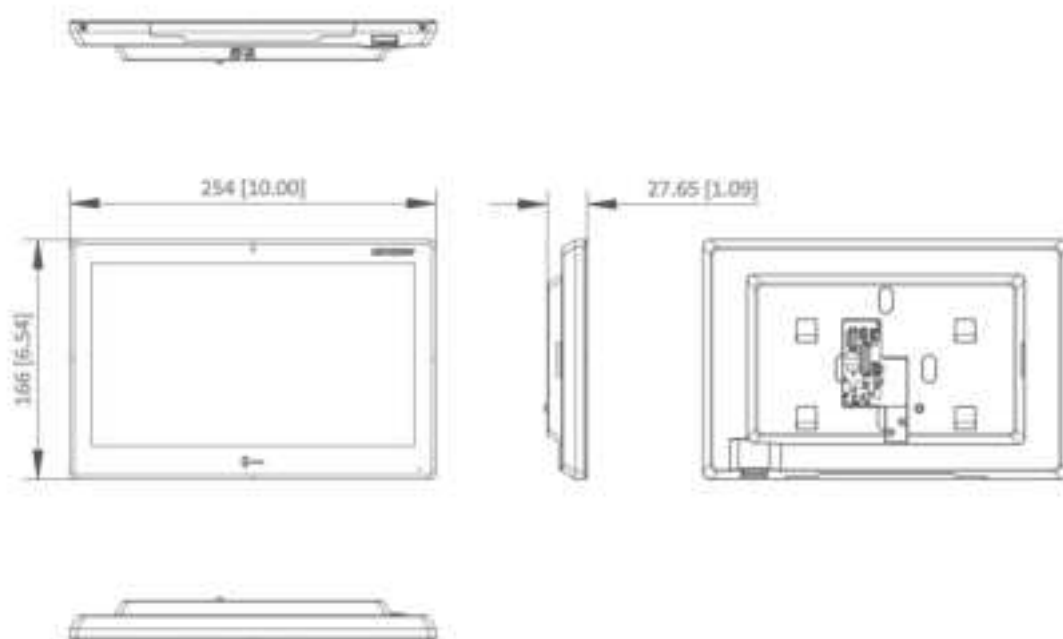
Unit:mm [inch]

| SCALE | 1:1 |

▪ **Accessory**

▪ **Optional**

DS-KAW50-1	DS-KAW50-1N	DS-KABH9510-T