HIKVISION

DS-K1T671 Series Face Recognition Terminal
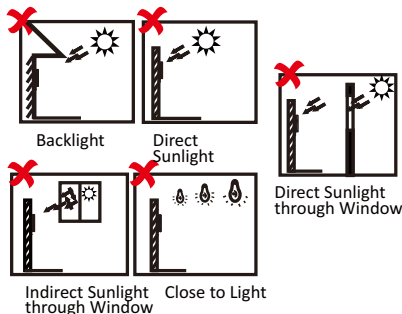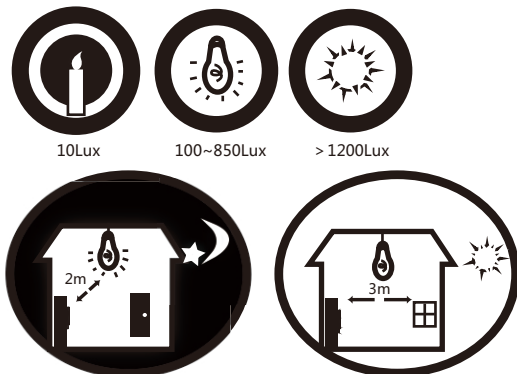
Quick Start Guide

UD15607B-B

Scan the QR code to get the user manual for detailed information.

Use only power supplies listed in the user instructions:

Model	Manufacturer	Standard
C2000IC12.0-24P-DE	MOSO Power Supply Technology Co., Ltd	CEE
C2000IC12.0-24P-GB	MOSO Power Supply Technology Co., Ltd	BS
ADS-24S-12 1224GPG	Shenzhen Honor Electronic Co., Ltd	CEE

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1 Installation

Installation Environment:

- Indoor and outdoor installation are supported. if installing the device indoors, the device should be at least 2 meters away from the light, and at least 3 meters away from the window or the door. If installing the device outdoors, you should apply Silicone sealant among the cable wiring area to keep the raindrop from entering.
- Make sure the environment illumination is more than 100 Lux.

10Lux   100~850Lux   > 1200Lux

2m   3m

Backlight   Direct Sunlight

Direct Sunlight through Window

Indirect Sunlight through Window   Close to Light

Before you start:

According to the baseline on the mounting template, stick the mounting template on the wall or other surface, 1.4 meters higher than the ground.

ℹ️ Make sure the output of external power supply fulfils LPS.

Steps:

❶ Drill holes on the wall or other surface according to the mounting template and install the gang box.
❷ Use two supplied screws(4_KA4x22-SUS) to secure the mounting plate on the gang box.
Use another four supplied screws to secure the mounting plate on the wall.
Route the cables through the cable hole of the mounting plate, and connect to the corresponding external device's cables.

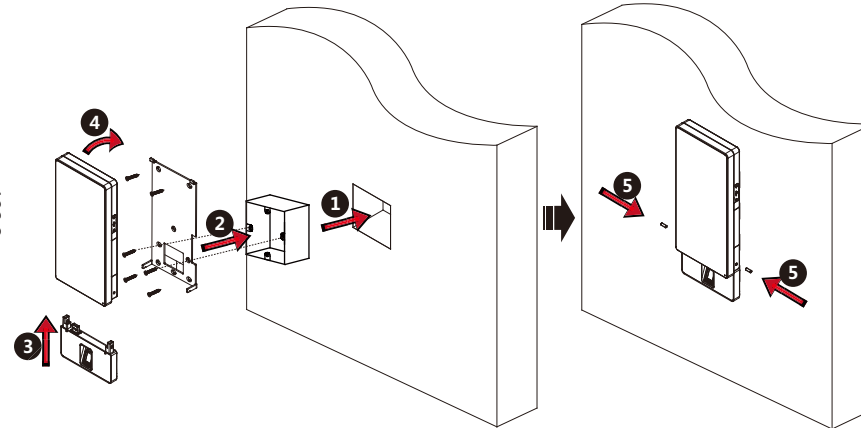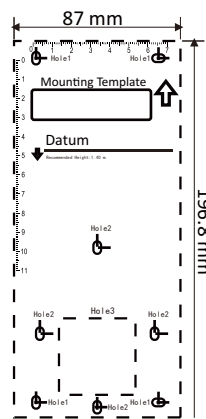ℹ️ Apply Silicone sealant among the cable wiring area to keep the raindrop from entering.
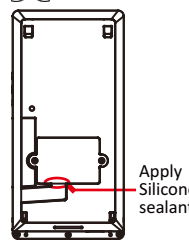
❸ Insert the fingerprint module to the holes at the bottom of the main part.
❹ Align the device with the mounting plate and hang the terminal on the mounting plate.
❺ Make sure the two sheets on each side of the mount plate have been in the holes at the back of the device.
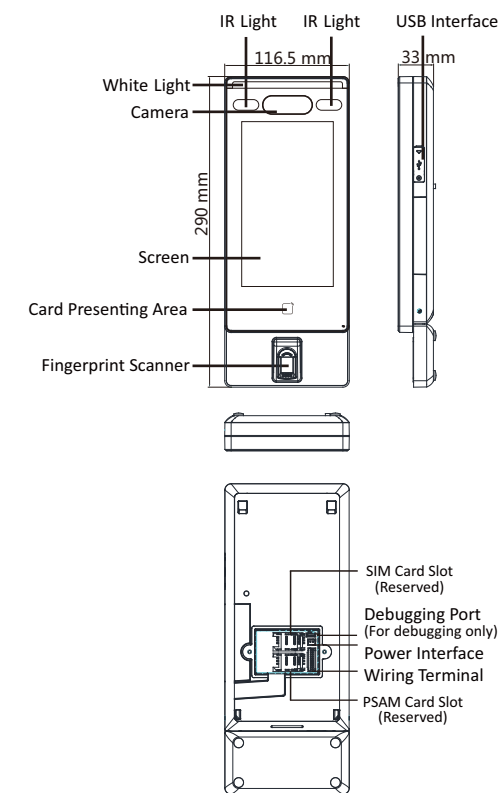Use two supplied screws (SC-M4x12TP10-SUS) to secure the device and the mounting plate.

ℹ️
- The installation height here is the recommended height. You can change it according to your actual needs.
- You can also install the device on the wall or other places without the gang box. For details, refer to the User Manual.
- For easy installation, drill holes on mounting surface according to the supplied mounting template.
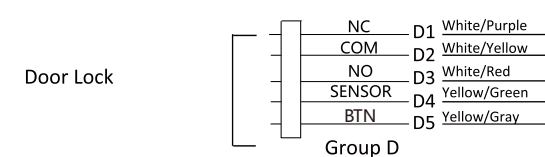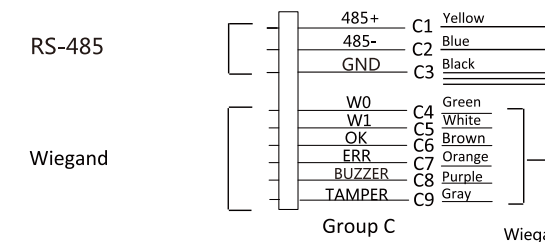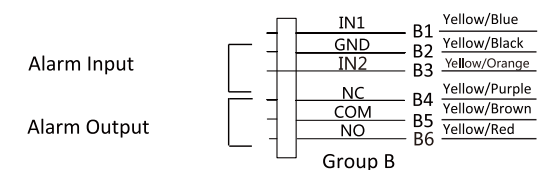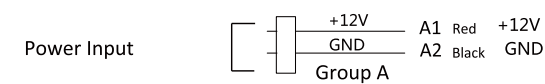- You should purchase the gang box separately.

Apply Silicone sealant

87 mm

Mounting Template

Datum

196.8 mm

ℹ️ The figures are for reference only.

Dimension:

IR Light   IR Light   USB Interface

116.5 mm   33 mm

White Light
Camera
Screen
Card Presenting Area
Fingerprint Scanner

290 mm

SIM Card Slot (Reserved)
Debugging Port (For debugging only)
Power Interface
Wiring Terminal
PSAM Card Slot (Reserved)

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2 Wiring (Normal)

Power Input	+12V	A1	Red	+12V
	GND	A2	Black	GND
		Group A		

Alarm Input	IN1	B1	Yellow/Blue	
	GND	B2	Yellow/Black	
	IN2	B3	Yellow/Orange	
Alarm Output	NC	B4	Yellow/Purple	
	COM	B5	Yellow/Brown	
	NO	B6	Yellow/Red	
		Group B		

RS-485	485+	C1	Yellow
	485-	C2	Blue
	GND	C3	Black
Wiegand	W0	C4	Green
	W1	C5	White
	OK	C6	Brown
	ERR	C7	Orange
	BUZZER	C8	Purple
	TAMPER	C9	Gray
		Group C	

Wiegand Card Reader

GND
External Power Supply

Door Lock	NC	D1	White/Purple (NC)
	COM	D2	White/Yellow (COM)
	NO	D3	White/Red (NO)
	SENSOR	D4	Yellow/Green
	BTN	D5	Yellow/Gray
		Group D	

Exit Button

Electric Dropbolt
– Power +
Door Contact
Electric strike

Network Interface

ℹ️
- When connecting door contact and exit button, the device and the RS-485 card reader should use the same common ground connection.
- The Wiegand terminal here is a Wiegand input terminal. You should set the device's Wiegand direction to "input". If you should connect to an access controller, you should set the Wiegand direction to "Output". For details, see the user manual.
- The suggested external power supply for door lock is 12 V, 1 A.
- The suggested external power supply for Wiegand card reader is 12 V, 1 A.
- For wiring the fire system, see the user manul.
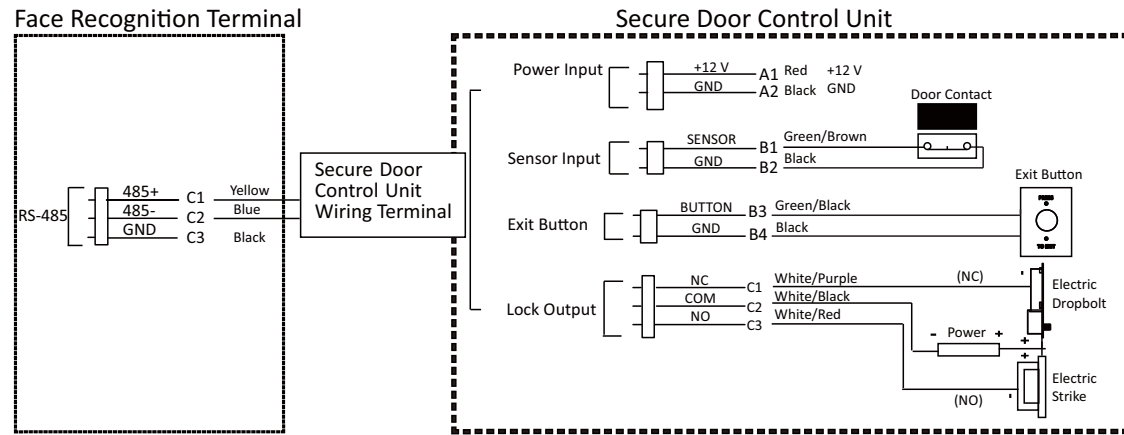- Do not wire the device to the electric supply directly.

2.2 Device Wiring (With Secure Door Control Unit)

Face Recognition Terminal

Secure Door Control Unit Wiring Terminal

RS-485
- 485+ C1 Yellow
- 485- C2 Blue
- GND C3 Black

Secure Door Control Unit

Power Input
- +12 V A1 Red +12 V
- GND A2 Black GND

Door Contact

Sensor Input
- SENSOR B1 Green/Brown
- GND B2 Black

Exit Button
- BUTTON B3 Green/Black
- GND B4 Black

Exit Button

Lock Output
- NC C1 White/Purple (NC)
- COM C2 White/Black
- NO C3 White/Red

Power + −

Electric Dropbolt

Electric Strike

(NO)

ℹ️ The secure door control unit should connect to an external power supply separately. The suggested external power supply is 12 V, 0.5 A.

3 Quick Operation

Power on and wire the network cable after installation. You should activate the device before the first login.

If the device is not activated yet, it will enter the Activate Device page after powering on.

Step:
1. Create a password and confirm the password.
2. Tap **Activate** to activate the device.

ℹ️ For other activation methods, see the device user manual. admin or minda are not supported for the activation password.

⚠️ STRONG PASSWORD RECOMMENDED-
We highly recommend you create a strong password of your own choosing(using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

● Set Application Mode

After activation, you should select an application mode.

ℹ️ If you install the device indoors near the window or the face recognition function is note working well, select **Others**.

● Set Administrator

Steps:
1. Enter the administrator's name and tap **Next**.
2. Select a credential to add. You can select face, fingerprint, or card.
3. Tap **OK**.

● Set Language

Select a language from the drop-down list.

4 Add Face Picture

1. Use finger to hold the screen surface for 3 s and slide to right/left and enter the activation password to enter the Home page.

2. Enter the User Management page, tap + to enter the Add User page.

3. Set the user parameters according to actual needs.
ℹ️ Only the device with the fingerprint module support the fingerprint related functions.

4. Tap Face and add the face information according to the instructions.
You can view the captured picture on the screen, Make sure the face picture is in good quality and size.
For details about the tips and positions when collecting and comparing the face picture, see the contents on the right.

5. If the picture is in good condition, tap the ✓.
Or tap the 📷 to take another face picture.

6. Tap the save icon to save the settings.
Go back to the initial page to start authentication.
For other authentication methods, see the device user manual.

User other authentication methods if the device is affected by the light or other items.
1:N Matching: The device will compare the captured face picture with the ones in the database.
1:1 Matching: The device will compare the captured face picture with the user linked face picture.

⚠️ Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.

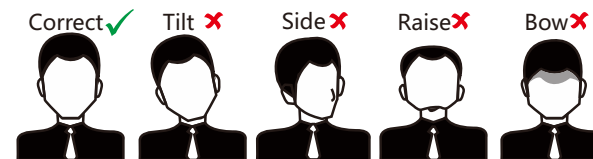### Tips When Collecting/Comparing Face Picture

Expression
- Keep your expression naturally when collecting or comparing face pictures, just like the expression in the picture on the right.
- Do not wear hat, sunglasses, or other accessories that can affect the facial recognition function.
- Do not make your hair cover your eyes, ears, etc. and heavy makeup is not allowed.
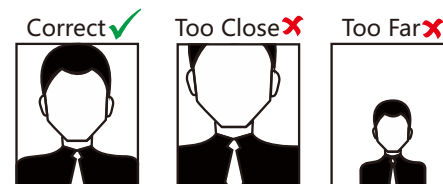
Posture

In order to get a good quality and accurate face picture, position your face looking at the camera when collecting or comparing face picture.
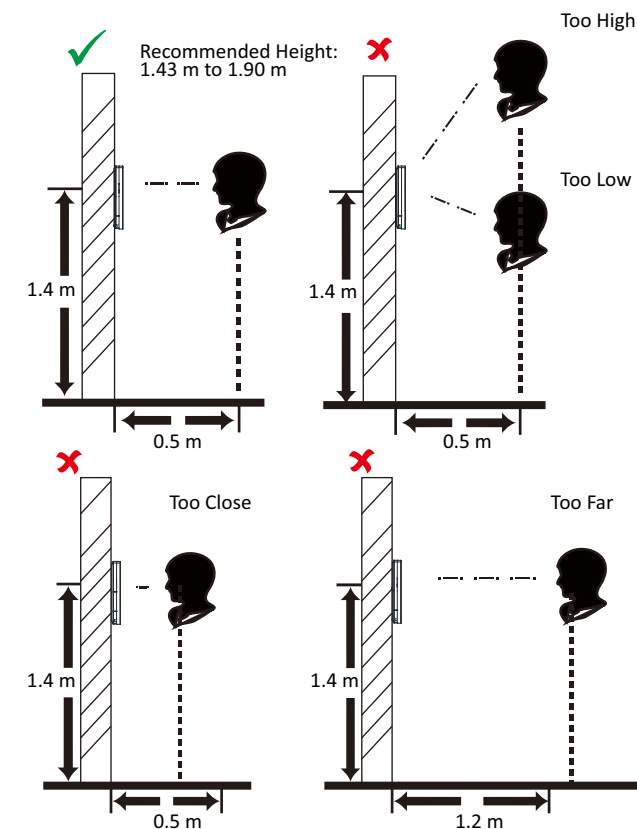
Correct ✓   Tilt ✗   Side ✗   Raise ✗   Bow ✗

Size

Make sure your face is in the middle of the collecting window.

Correct ✓   Too Close ✗   Too Far ✗

Positions When Collecting/Comparing Face Picture

✓ Recommended Height: 1.43 m to 1.90 m

✗ Too High

✗ Too Low

1.4 m   0.5 m

1.4 m   0.5 m

Too Close   Too Far

1.4 m   0.5 m

1.4 m   1.2 m

⚠️ Warning
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- CAUTION: To reduce the risk of fire, replace only with the same type and rating of fuse.
- CAUTION: This equipment is for use only with Hikvision's bracket. Use with other (carts, stands, or carriers) may result in instability causing injury.
To prevent possible hearing damage, do not listen at high volume levels for long periods.
- Please use the power adapter, which is provided by normal company. The power consumption cannot be less than the required value.
- Do not connect several devices to one power adapter as adapter overload may cause overheat or fire hazard.
- Please make sure that the power has been disconnected before you wire, install or dismantle the device.
- When the product is installed on wall or ceiling, the device shall be firmly fixed.
- If smoke, odors or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the device yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

⚠️ Caution
- + identifies the positive terminal(s) of equipment which is used with, or generates direct current. − identifies the negative terminal(s) of equipment which is used with, or generates direct current.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- The USB port of the equipment is used for connecting to a USB flash drive only.
- The serial port of the equipment is used for debugging only.
- Burned fingers when handling the fingerprint sensor metal. Wait one-half hour after switching off before handling the parts.
- Install the equipment according to the instructions in this manual.
- To prevent injury, this equipment must be securely attached to the floor/wall in accordance with the installation instructions.
- Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the device in extremely hot (refer to the specification of the device for the detailed operating temperature), cold, dusty or damp locations, and do not expose it to high electromagnetic radiation.
- The device cover for indoor use shall be kept from rain and moisture.
- Exposing the equipment to direct sun light, low ventilation or heat source such as heater or radiator is forbidden (ignorance can cause fire danger).
- Do not aim the device at the sun or extra bright places. A blooming or smear may occur otherwise (which is not a malfunction however), and affecting the endurance of sensor at the same time.
- Please use the provided glove when open up the device cover, avoid direct contact with the device cover, because the acidic sweat of the fingers may erode the surface coating of the device cover.
- Please use a soft and dry cloth when clean inside and outside surfaces of the device cover, do not use alkaline detergents.
- Please keep all wrappers after unpack them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and lead to additional costs.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.
- Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.
- Please make sure that the biometric recognition accuracy will be affected by the collected pictures' quality and the light in the environment, which cannot be 100% correct.