1 Installation

HIKVISION

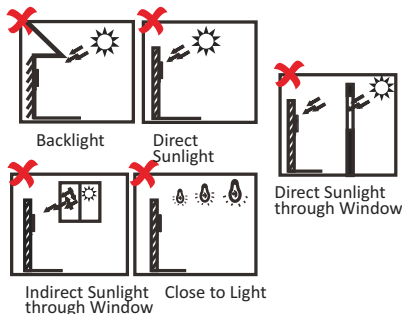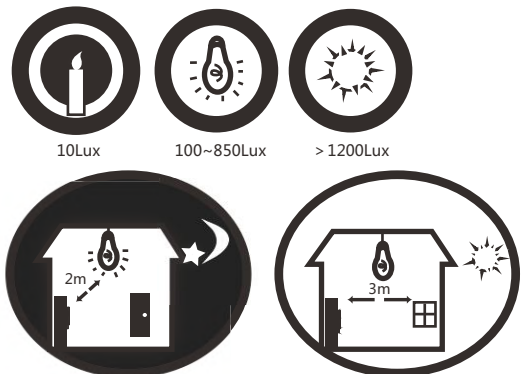**DS-K1T671 Series Face Recognition Terminal**

Quick Start Guide

UD15607B-B

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

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

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.

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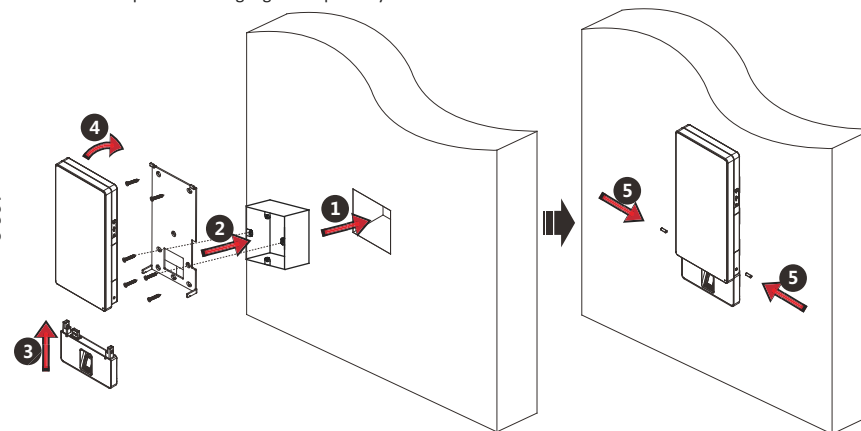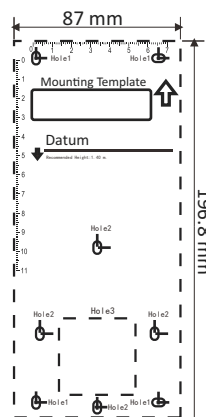
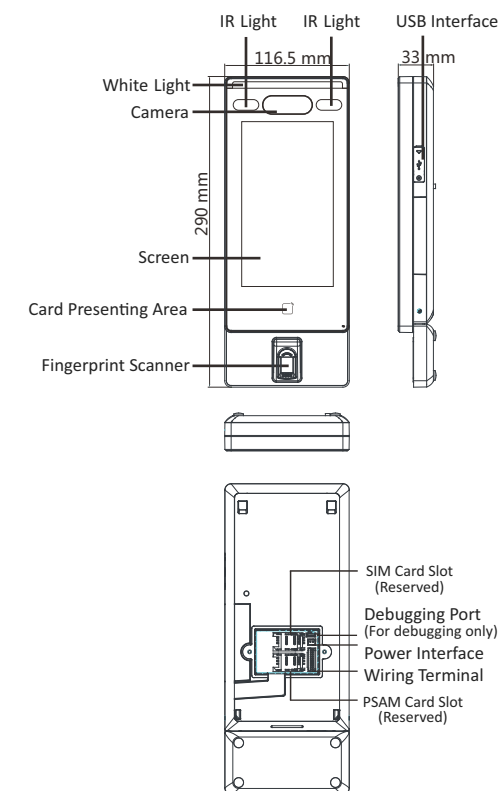ℹ Apply Silicone sealant among the cable wiring area to keep the raindrop from entering.
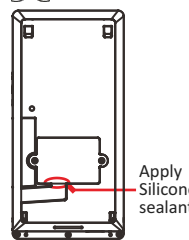
❸ Insert the fingerprint module to the holes at the bottom of the main part.
❹ Align the device with the mounting plate and hang the terminal on the mounting plate.
❺ Make sure the two sheets on each side of the mount plate have been in the holes at the back of the device.
Use two supplied screws (SC-M4x12TP10-SUS)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

ℹ
- 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.
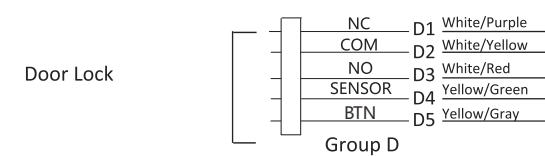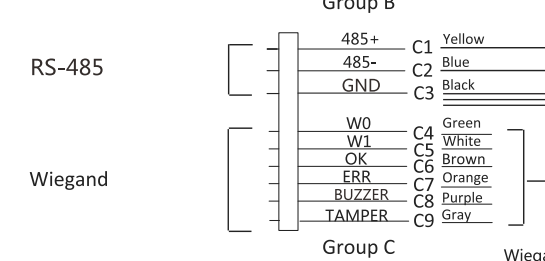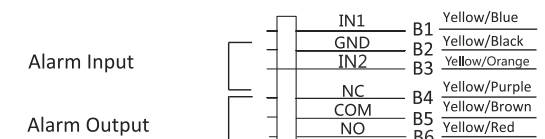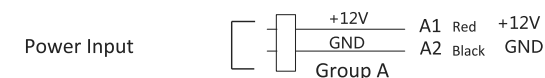- You should purchase the gang box separately.

Apply Silicone sealant

87 mm

Mounting Template

Datum

196.8 mm

ℹ The figures are for reference only.

Dimension:

IR Light   IR Light   USB Interface

116.5 mm   33 mm

White Light
Camera
290 mm
Screen
Card Presenting Area
Fingerprint Scanner

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

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

GND

Exit Button
PRESS
TO EXIT

External Power Supply

Wiegand Card Reader

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

Electric Dropbolt

Power

Door Contact

Electric strike

Network Interface

ℹ
- 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.
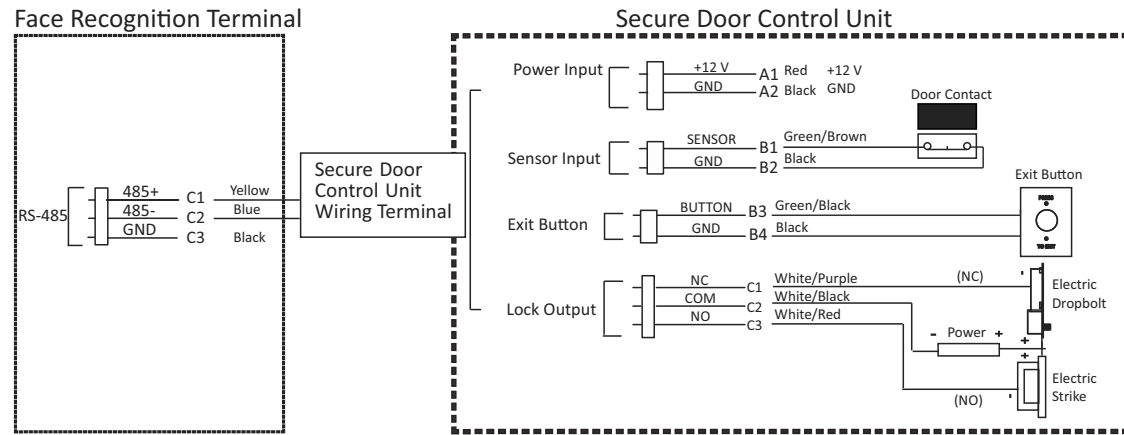- Do not wire the device to the electric supply directly.

2.2 Device Wiring (With Secure Door Control Unit)

Face Recognition Terminal

Secure Door Control Unit

Secure Door Control Unit Wiring Terminal

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 — (NO)

Power

Electric Dropbolt

Electric Strike

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

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

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.
> 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 or 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.

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.

> 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.

> 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.

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.
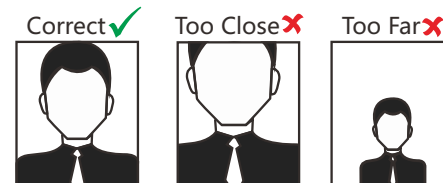
Posture
In order to get a good quality and accurate face picture, position your face looking at the camera when collecting or comparing face picture.
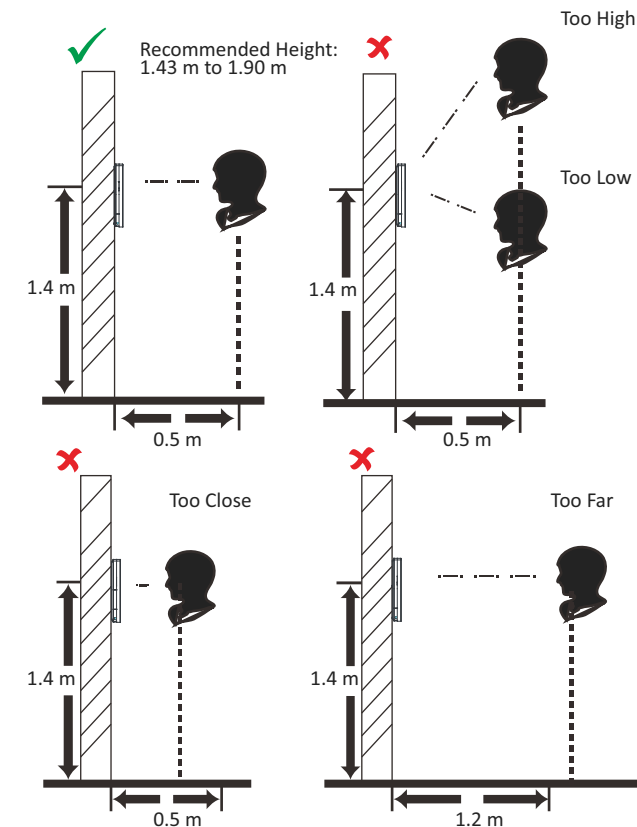
Correct ✓ Tilt ✗ Side ✗ Raise ✗ Bow ✗
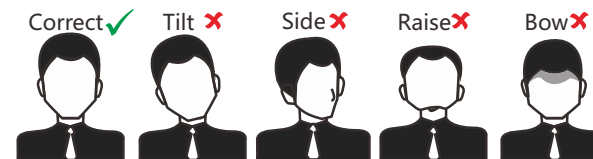
Size
Make sure your face is in the middle of the collecting window.

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