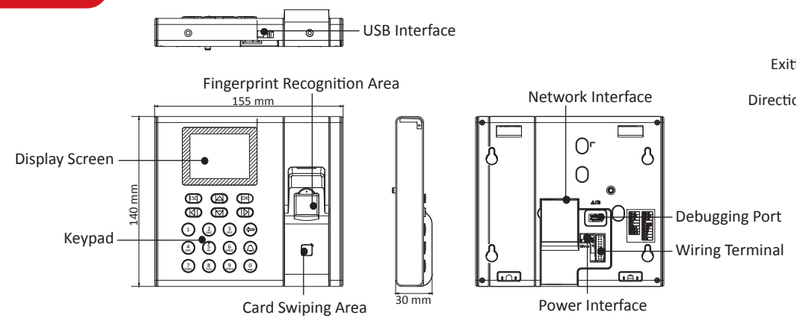
Fingerprint Access Control Terminal

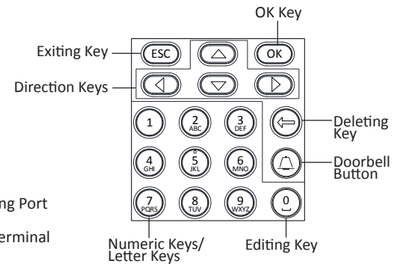
Quick Start Guide

UD12127N-D

About this Manual
This Manual is applicable to face recognition terminal.
The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website.
Please use this user manual under the guidance of professionals.
Legal Disclaimer
REGARDING TO THE PRODUCT WITH INTERNET ACCESS, THE USE OF PRODUCT SHALL BE WHOLLY AT YOUR OWN RISKS. OUR COMPANY SHALL NOT TAKE ANY RESPONSIBILITES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER ATTACK, HACKER ATTACK, VIRUS INSPECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, OUR COMPANY WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
SURVEILLANCE LAWS VARY BY JURISDICTION. PLEASE CHECK ALL RELEVANT LAWS IN YOUR JURISDICTION BEFORE USING THIS PRODUCT IN ORDER TO ENSURE THAT YOUR USE CONFORMS THE APPLICABLE LAW. OUR COMPANY SHALL NOT BE LIABLE IN THE EVENT THAT THIS PRODUCT IS USED WITH ILLEGITIMATE PURPOSES.
IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATER PREVAILS.
Data Protection
During the use of device, personal data will be collected, stored and processed. To protect data, the development of our devices incorporates privacy by design principles. For example, for device with facial recognition features, biometrics data is stored in your device with encryption method; for fingerprint device, only fingerprint template will be saved, which is impossible to reconstruct a fingerprint image.
As data controller, you are advised to collect, store, process and transfer data in accordance with the applicable data protection laws and regulations, including without limitation, conducting security controls to safeguard personal data, such as, implementing reasonable administrative and physical security controls, conduct periodic reviews and assessments of the effectiveness of your security controls.

1 Appearance





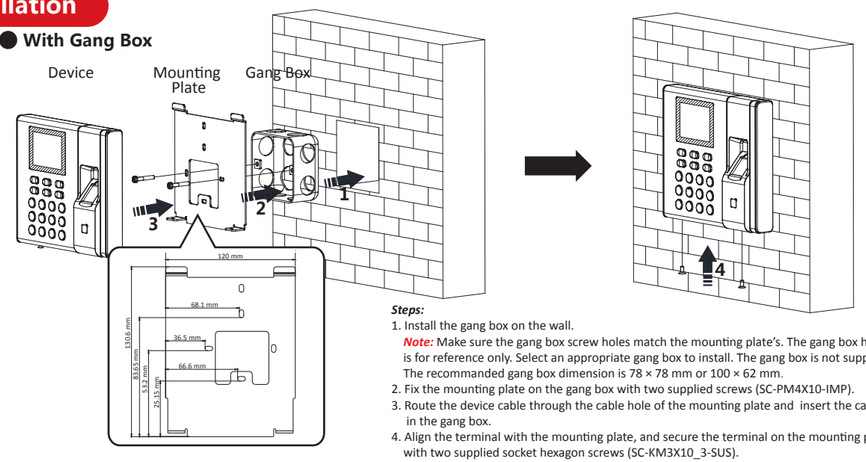
Keypad Descriptions

OK Key: Press to confirm operations. Hold the key for 3 s to enter the login interface.
Deleting Key: Press the key to delete the entered letter or number.
Doorbell Button: Press the doorbell button and the doorbell rings.
Exiting Key: Press the key to exit the menu.
Direction Keys: Press △, ▽, ◁ and ▷ to move the cursor.
Numeric Keys/Letter Keys: Enter numbers or letters.
Key 0 can also represent a space key except you are using the number input method.
Editing Key: Press the key to enter the number 0. Hold the key to shift among numbers/lowercases, numbers/uppercases and symbols.

Notes:
1. The pictures here are for reference only. Some models do not support card swiping function. For details, refer to the actual products.
2. If you enable the attendance status function, the OK key, the direction key, and the exiting key can be the shortcut key of the attendance status.

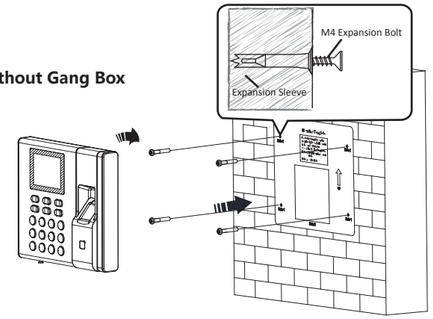
2 Installation

● With Gang Box



Steps:
1. Install the gang box on the wall.
   Note: Make sure the gang box screw holes match the mounting plate's. The gang box here is for reference only. Select an appropriate gang box to install. The gang box is not supplied. The recommanded gang box dimension is 78 × 78 mm or 100 × 62 mm.
2. Fix the mounting plate on the gang box with two supplied screws (SC-PM4X10-IMP).
3. Route the device cable through the cable hole of the mounting plate and insert the cables in the gang box.
4. Align the terminal with the mounting plate, and secure the terminal on the mounting plate with two supplied socket hexagon screws (SC-KM3X10_3-SUS).

● Without Gang Box

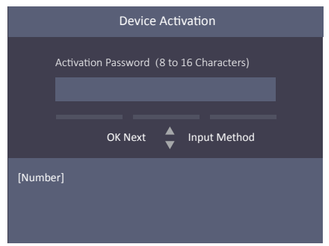


Steps:
1. Stick a mounting template on the wall at a required height, and drill 4 holes according to the mounting template on the wall.
   Note: The suggested distance between the device lower edge and the ground is 1.3 m.
2. Insert 4 supplied expansion sleeves of the setscrews (4_KA4×22-SUS) in the drilled holes.
3. Fix and fasten the expansion bolts in the expansion sleeves respectively.
   Note: Reserve 5.2 mm to 5.5 mm of expansion bolts outside the wall for hanging the device.
4. Align four holes of the device rear panel with the fixed screws and hang the device on the wall.
   Note: The additional force shall be equal to three times the weight of the equipment but not less than 50 N. The equipment and its associated mounting means shall remain secure during the test. After the test, the equipment, including any associated mounting plate, shall not be damaged.

3 Activation

● Activating via Device

Power on and wire the network cable after installation.
You should activate the device before the first login.
After powering on, the interface will be displayed as follows.
You can create the device password and confirm the password to activate.



The default values of the terminal are as follows:
- The default IP address: 192.0.0.64
- The default port No.: 8000
- The default user name: admin

● Activating via SADP

1. Download SADP Software: Get the SADP software from the supplied disk or the official website. Install and run the software.
2. Activate Device: Check the inactive device from the device list. Create a password in the right side of the interface and confirm the password.
3. Edit Device IP Address: Check the device and manually edit the device IP address, Port No., Subnet Mask, Gateway, etc.

● Activating via Client Software

1. Get the client software from the supplied disk or the official website. Install and run the client software.
2. Enter the Device Management page.
3. Click Device tab on the top of the right panel.
4. Click Online Device to show the online device area at the bottom of the page.
   The searched online devices are displayed in the list.
5. Check the device status (shown on Security Level column) and select an inactive device.
6. Click Activate to open the Activation dialog.
7. Create a password in the password field, and confirm the password.
8. Click OK to activate the device.
9. Select an activated device in Online Device area, click ⊕ on the Operation column to open the Modify Network Parameter window. Change the device IP address to the same subnet with your computer if you need to add the device to the client.

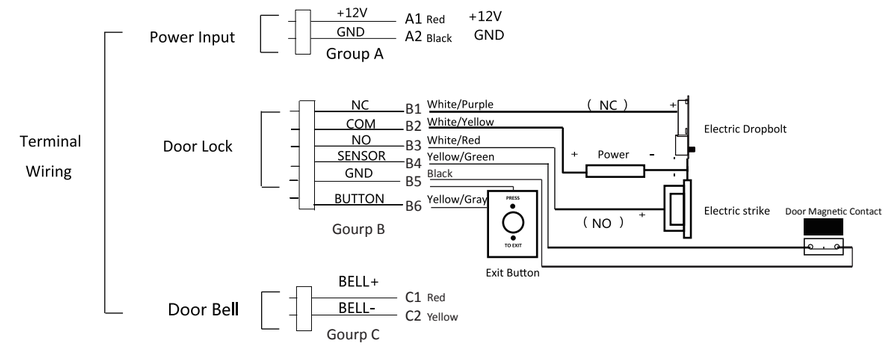
STRONG PASSWORD RECOMMENDED
We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password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

4 Device Wiring

● External Device Wiring Terminal Description

Line Group	No.	Function	Color	Terminal Name	Description
Line Group A	A1	Power Input	Red	+12V	12V DC Power Supply
	A2		Black	GND	GND
Line Group B	B1	Lock	White/Purple	NC	Lock Wiring
	B2		White/Yellow	COM	
	B3		White/Red	NO	
	B4		Yellow/Green	SENSOR	Door Contact Signal Input
	B5		Black	GND	GND
	B6		Yellow/Grey	BUTTON	Exit Door Wiring
Line Group C	C1	Door Bell	Red	BELL+	Door Bell Wiring
	C2		Yellow	BELL-	

● External Device Wiring Overview



Note: The external power supply and the access control terminal should use the same GND cable.

5 Configuration

User Management and Attendance Configuration are two main parts of the Access Control Terminal.

① User Management

Manage User: In the New (New User) interface, enter the new user ID No., the user name, the card No. Register the fingerprint, set the password, select the department, set the user permission, select schedule template, set the authentication mode and set the duress card. Save the parameters to confirm adding.

② Attendance Configuration

Configure the shift via the device. You are able to schedule shift by department or by individual depending on the user property. The working flows are as follows:

Scheduling Shift by Department: Add User (See Step 1) - Edit Department - Configure Shift - Add Holiday - Configure Shift Schedule (by Department).

Scheduling Shift by Individual: Add User (See Step 1) - Configure Shift - Add Holiday - Configure Shift Schedule (by Individual).

► **Attendance Status:**
Set attendance status as check in, check out, break out, break in, overtime in, or overtime out.

► **Edit Department:**
Select a department to edit in the department list. Select "Edit"and edit the department name. Save the parameters.

► **Configure Shift**
Normal Shift: In the Normal Shift page, configure the attendance rule, the normal shift attendance. Save the parameters to confirm setting.
Man-Hour Shift: In the Man-Hour Shift page, configure the man-hour shift parameters. Save the parameters to confirm setting.

► **Add Holiday**
In the New (New Holiday) interface, enter the holiday No, the holiday name, the holiday start time and the holiday end time. Save the parameters.

► **Configure Shift Schedule**
Schedule Shift by Department: Select a department to configure in the By Dept. (Schedule by Department) interface. Configure the shift, the start date, the end date and the holiday. Save the parameters.
Schedule Shift by Individual: Select New Individual Shift in the By Indiv. (Schedule by Individual) interface. Select a person to schedule in the New Individual Shift page. Configure the shift, the schedule start date and the end date. Save the parameters.

► **Attendance Report**
Plug the USB flash drive in the device. Enter Attendance - Report, select a table type, create a device ID, select start date and end date. Press OK to export.
The device will automatically check the USB flahs drive memory. If there is no enough space for exporting, a prompt will be popped up. You can configure the record over threshold prompt and record delete pafarmeters in the System page.
Record over Threshold Pop up Prompt (%): If the attendance record memory reaches the configured value, the system pops up a prompt to remind you. If configure the threshold to 99%, the system will pop up a prompt to remind you to delete the attendance data when the capacity reaches the threshold.
The available value: 1 to 99.
Record Delete: When the function is enabled, the terminal will delete the first 3000 attendance records when the memory is full, in order to save the new attendance records. By default, the function is enabled. See *Section 5.2 Attendance Record Delete Rule* in *User Manual of Fingerprint Time Attendance Terminal*.

③ Other Settings

Manage Data: Enter System - Data page, and select Delete Event Only, Delete Attendance Data Only, Delete User Only, or Clear Permisison to manage the system data.
Factory Defualts: Enter System - Reset page, and select Factory Defaults. All device parameters will restore to the factory settings.
Default Settings: Enter System - Reset page, and select Default Settings. All parameters, excluding the communication parameters, and the remote user management paramters, will restore to factory settings.
Upgrage Device: Plug an USB flash drive to the device USB falsh drive interface. Tap System - Upgrade and tap OK to upgrade the device. The device will reboot automatically after upgrading is completed.
Notes:
1. The upgrading file should be in the root directoy in the USB flash drive.
2. The upgrading file name should be digicap.dav.
3. Do not power off when device is upgrading.

Guarding Vision: You can operate the device via the Guarding Vision mobile client.

Regulatory Information

FCC Information
Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
FCC compliance: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.
This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.
FCC Conditions
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.
EU Conformity Statement

This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the RE Directive 2014/53/EU, the EMC Directive 2014/30/EU, the RoHS Directive 2011/65/EU.

2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: *www.recyclethis.info*

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: *www.recyclethis.info*

Use only power supplies listed in the user instructions:

Model	Manufacutrer	Standard
DSA-12PFT-12FUK 120100	Dee Van Enterprise Co., Ltd.	BS
DSA-12PFT-12FAU 120100	Dee Van Enterprise Co., Ltd.	AS
DSA-12PFT-12FIN 120100	Dee Van Enterprise Co., Ltd.	IS
DSA-12PFT-12FUS 120100	Dee Van Enterprise Co., Ltd.	IEC
DSA-12PFT-12 FBZ 120100	Dee Van Enterprise Co., Ltd.	NBR
ADS-12B-12 12012E	Shenzhen Honor Electronics Co., Ltd.	IEC
ADS-12B-12 12012E	Shenzhen Honor Electronics Co., Ltd.	NEMA
ADS-12B-12 12012E	Shenzhen Honor Electronics Co., Ltd.	NBR
ADS-12B-12 12012E	Shenzhen Honor Electronics Co., Ltd.	BS

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Industry Canada ICES-003 Compliance
This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.
Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut