DS-K1T341BMWI-T

Touchless Identity Authentication Terminal Quick Start Guide

Diagnostic Disclaimer

U.S. Disclaimer: Hikvision Highly Accurate Thermographic Cameras and Terminals (HAT Cameras and Terminals) are not FDA-cleared or approved. The HAT Cameras and Terminals shall not be solely or primarily used as an effective diagnostic device for COVID-19. Elevated body temperature should be confirmed with secondary evaluation methods (e.g., an NCIT or clinical grade contact thermometer). Users, through their experience with the Hikvision HAT Cameras and Terminals in the particular environment of use, should determine the significance of any fever or elevated temperature based on the skin telethermographic temperature measurement. Visible thermal patterns are intended only for locating the points from which to extract the thermal measurement.

To ensure the accuracy of the human skin-surface temperature measurement, the technology shall be used to measure only one subject's temperature at a time and shall not be used to measure multiple individuals' temperatures simultaneously.

Canada Disclaimer: Hikvision Elevated Skin Temperature Cameras and Terminals (EST Cameras and Terminals) shall not be solely or primarily used as an effective diagnostic device for COVID-19. Elevated body temperature should be confirmed with secondary evaluation methods (e.g., a Health Canada approved contact thermometer). Users, through their experience with the Hikvision EST Cameras and Terminals in the particular environment of use, should determine the significance of any fever or elevated temperature based on the skin telethermographic temperature measurement. Visible thermal patterns are intended only for locating the points from which to extract the thermal measurement.

To ensure the accuracy of the human skin-surface temperature measurement, the technology shall be used to measure only one subject's temperature at a time and shall not be used to measure multiple individuals' temperatures simultaneously.

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About this Manual

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 of this Manual at the Hikvision Website (https://www.hikvision.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATTER PREVAILS.

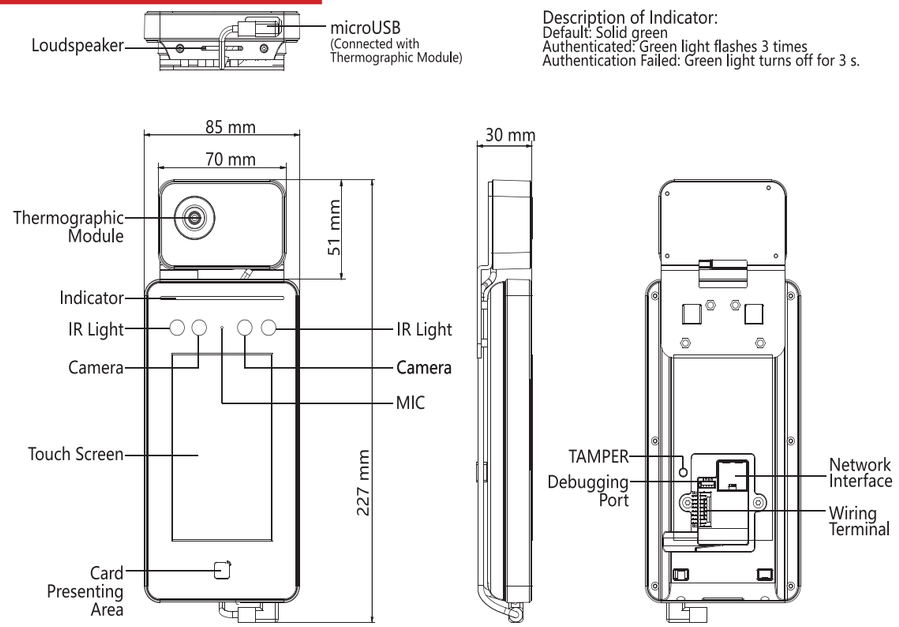
Data Protection

During the use of device, personal data will be collected, stored, and processed. To protect data, the development of Hikvision devices incorporates privacy by design principles. For example, for devices with identity authentication 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 and conduct periodic reviews and assessments of the effectiveness of your security controls.

Visit the Hikvision Website at www.hikvision.com to download the user manual for detailed information.

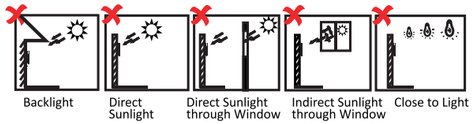
1. Appearance



Description of Indicator:
Default: Solid green
Authenticated: Green light flashes 3 times
Authentication Failed: Green light turns off for 3 s.

The pictures here are for reference only.

2. Installation

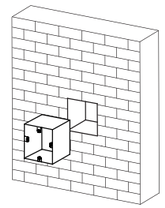


Installation Environment:

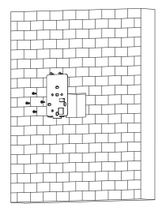
- Avoid backlight, direct sunlight, and indirect sunlight.
- For better recognition, there should be light source in or near the installation environment.
- Sunlight, wind, hot/cool air from air conditioner and other external factors, which may affect surface temperature, will create the deviation of the temperature measurement. In order to get an accurate result, make sure the device is applied indoors and windlessly (where is relatively isolated from the outdoors). The working temperature should keep between 10° and 35° C. If there are no suitable environments for temperature measurement (the area faces the indoor and connects the outdoor, the area at the door of the indoor environment, etc.), building a temporary temperature measurement environment is suggested.

- Influence Factors of Temperature Measurement:
  Wind: The wind will take the heat away, which may affect the measurement result.
  Sweat: The sweat will take the heat away, which may affect the measurement result.
  Air Conditioner (Cool Air): If the indoor temperature is low, the surface temperature may also be lower than the actual temperature, which may affect the measurement result.
  Air Conditioner (Heat) or Heating: If the indoor temperature is high, the surface temperature may also be higher than the actual temperature, which may affect the measurement result.
  In order to make the device work properly, you should wait for 90 min after the device is powered on.

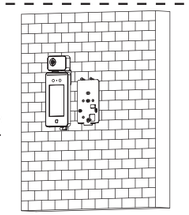
❶ Make sure the gang box is installed on the wall.



❷ Use 4 supplied screws (KA4×22) to secure the mounting plate on the gang box.
Remove the back sheet of the device with tools to display the wiring terminals.
Route the cable through the cable hole of the mounting plate, and connect to corresponding external devices' cables.

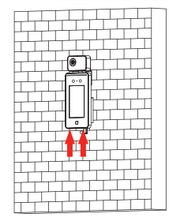


❸ Align the device with the mounting plate, and hang the device on the mounting plate.

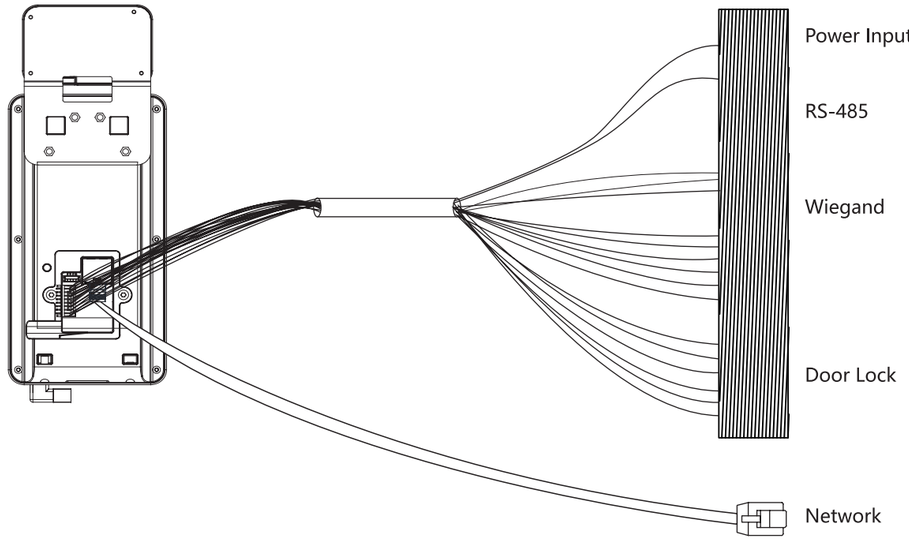


❹ Use the 2 screws at the bottom of the device to secure the device on the mounting plate.

For other installation methods, see the user manual.

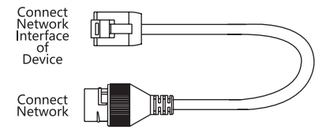


3.1 Wire Normal Device

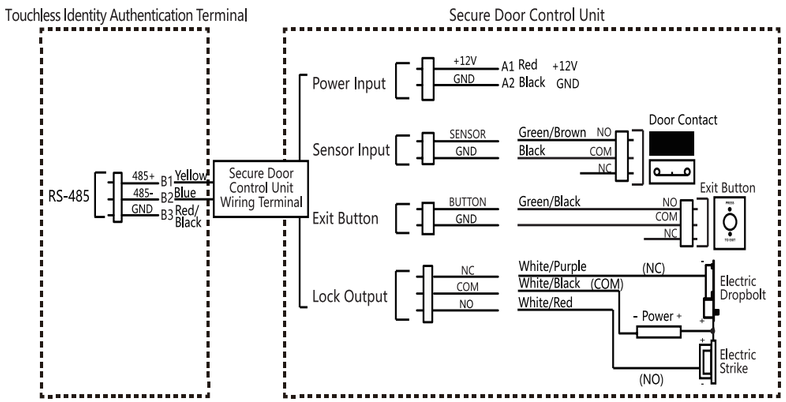


NOTE:

- 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 manual.
- Do not wire the device to the electric supply directly.
- If the interface for network connection is too large, you can use the supplied cable as shown below.



3.2 Wiring with Secure Door Control Unit



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

NOTE:

4. Activation

Power on and wire the network cable after installation. Activate the device before the first login.

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

Steps:

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

NOTE: For other activation methods, see the device user manual.

We highly recommend that you create a strong password of your own choosing (using a minimum of 8 characters, including at least three kinds of the following categories: upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. We also recommend that you change your password regularly. Especially in high security systems, changing the password monthly or weekly can better protect your product.

5. Temperature Measurement

1. Hold the screen surface and verify the identity to enter the Home page.
2. Tap Temp to enter the Temperature Settings page.
3. Configure the parameters.
   - **Enable Temperature Detection:** When the function is enabled, the device will authenticate the permissions and at the same time take the temperature. When the function is disabled, the device will authenticate the permissions only.
   - **Over-Temperature Threshold:** Edit the threshold according to actual situation. If the detected temperature is higher than the configured one, an alarm will be triggered. By default, the value is 37.3°.
   - **Temperature Compensation:** If the measured temperature is higher/lower than the actual object's temperature, you can set the compensation temperature here. Available range: -99 °C to 99 °C.
   - **Door Not Open If Temp. is Abnormal:** When Enabling the function, the door will not open when the detected temperature is higher than the configured temperature threshold. By default, the function is enabled.
   - **Temperature Measurement Only:** When enabling the function, the device will not authenticate the permissions, but only take the temperature. When the function is disabled, the device will authenticate the permissions and at the same time take the temperature.
   - **Unit:** Select a temperature unit according to your preference.
   - **Measurement Area Calibration/Measurement Area Settings:** Configure the temperature measurement area and the correction parameters.

5. Add Identity Picture

1. Use finger to hold the screen surface 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.
4. Tap Face and add the identity information according to the instructions.
   You can view the captured picture on the screen. Make sure the identity picture is in good quality and size.
   For tips and recommended positions when collecting or comparing the identity pictures, see the contents on the right.
5. If the picture is in good condition, tap Save, or tap Try Again to take another identity picture.
6. Tap √ 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 identity picture with the ones in the database.
- **1:1 Matching:** The device will compare the captured identity picture with the user linked identity picture.

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

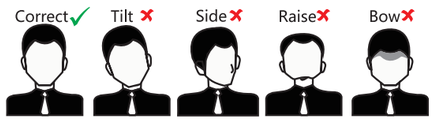
Tips When Collecting/Comparing Identity Picture

Expression

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

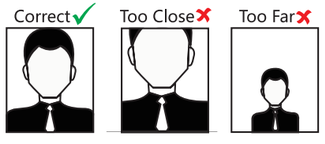
Posture

In order to get a good quality and accurate identity picture position your face looking at the camera when collecting or comparing identity picture.

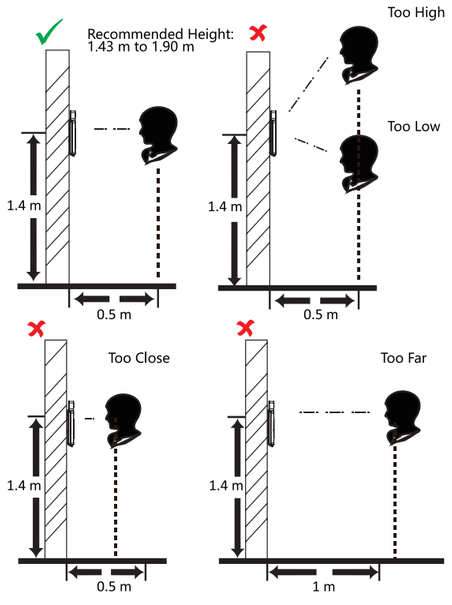


Size

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



Positions When Collecting/Comparing Identity Picture



Regulatory Information

FCC Information

Please take attention that changes or modifications 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 try 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 of 20 cm 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.

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

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.

Warning

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- Use a surge suppressor at the inlet opening of the equipment under special conditions such as mountain tops, iron towers, and forests.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- An all-pole mains switch shall be incorporated in the electrical installation of the building.
- This equipment is not suitable for use in locations where children are likely to be present.
- **CAUTION:** Risk of explosion if the battery is replaced by an incorrect type.
- Improper replacement of the battery with an incorrect type may defeat a safeguard (e.g., in the case of some lithium battery types).
- Do not dispose of the battery in fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas.
- Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- Dispose of used batteries according to the instructions.
- **CAUTION:** This bracket is intended for use only with the DS-K1T341BMWI-T Temperature Screening Terminal. Use with other equipment may result in instability causing injury.
- **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.
- Do not connect several devices to one power adapter as adapter overload may cause overheating 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 a wall or ceiling, the device shall be firmly fixed.
- If smoke, odors, or noise rise from the device, turn off the power at once, unplug the power cable, and then contact the service center.
- If the product does not work properly, 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

- The equipment has been designed, when required, modified for connection to an IT power distribution system.
- + identifies the positive terminal(s) of equipment that is used with, or generates, direct current. – identifies the negative terminal(s) of equipment that is used with, or generates, direct current.
- No naked flame sources such as lighted candles should be placed on the equipment.
- The equipment serial port is used for debugging only.
- Burned fingers may occur 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 electromagnetic radiation.
- Avoid equipment installation on a vibrating surface or places subject to shock (ignorance can cause equipment damage).
- Do not place the device in extremely hot (see device specification for operating temperature), cold, dusty, or damp locations.
- The device cover for indoor use shall be kept from rain and moisture.
- Exposing the equipment to direct sunlight, 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. Blooming or smearing may occur otherwise (which is not a malfunction), and affect the sensor endurance at the same time.
- Use the provided glove when opening the device cover. Avoid direct contact with the device cover, because the acidic sweat of the fingers may erode its surface coating.
- Please use a soft and dry cloth when cleaning inside and outside surfaces of the device cover, do not use alkaline detergents.
- Please keep all wrappers after unpacking them for future use. In case any failure occurs, must return the device to the factory with the original wrapper.
- Transportation without the original wrapper may result in damage to the device and lead to additional costs.
- Improper use or replacement of the battery may result in explosion hazard. 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.
- 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.