U82

8-inch Gate Terminal

T82

8-inch Access Control Terminal

U82	T82
model: DR21-8UW	model: DE21-8TW

catalogue

statement

Without the written permission of the company, no unit or individual shall extract or copy part or all of the contents of this manual without authorization, and shall not disseminate it in any form. Due to product version upgrade or other reasons, the contents of this manual will be updated from time to time. This manual is only used as a guide, and all statements, information and suggestions in this manual do not constitute any express or implied warranty. The company shall not be liable for any special, incidental, accidental or indirect damage caused by the use of this manual or the use of the company's products, including but not limited to the loss of business profits, loss of data or documents, abnormal operation of products and information disclosure caused by network attack, hacker attack, virus infection, etc.

Safety instructions

- This is a class a product, which may cause radio interference in the living environment. In this case, users may be required to take practical measures against their interference.

- Please disconnect the power supply before moving the equipment. Be careful to prevent electric shock when moving. Once the power cord is inserted into the power supply, the equipment will be powered on.

- Please ensure that the equipment is installed stably and reliably, the surrounding ventilation is good, and the ventilation outlet must be unblocked when the equipment is working.

- Please ensure that the equipment works within the allowable temperature, humidity and power supply requirements, and is well grounded to meet the lightning protection requirements, and avoid being placed in dusty, strong electromagnetic radiation, vibration and other places.

- Please protect the power cord from trampling or squeezing, especially at the plug, power socket and the contact from the device.

- After installation, please check the correctness to avoid human injury and equipment component damage due to wrong connection during power on.

- Abnormal power failure may cause equipment damage or abnormal function. If the equipment is used in the environment of frequent power failure, please provide ups.

- Make the equipment work within the allowable temperature and humidity range, and avoid being placed in places such as extrusion, vibration, extreme heat, extreme cold and strong electromagnetic radiation. To avoid fire and electric shock hazards, do not allow water or other liquids to flow into the equipment during use.

- If the equipment cannot be maintained due to unauthorized operation, the company will not bear all the consequences arising therefrom.

1 packing list

If you find any items damaged or missing, please contact your local dealer in time.

| No	item	number	unit
1	DR21-8UW	1	pcs
2	Tail line - grid port	1	pcs
3	Tail line - full function	1	pcs
4	The power adapter	1	pcs
5	Accompanying instructions	1	pcs
6	certificate	1	pcs
7	warranty card	1	pcs
8	Wall mount bracket set	1	pcs
9	Wall mount bracket sticker	1	pcs
10	Screw package	1	pcs

2 product introduction

2.1 product description

U82/T82 is a high-performance and reliable product. This product supports a variety of recognition modes such as white list recognition, IC card verification. It adopts the idea of industrial appearance design, with light and thin body, smooth lines, high recognition rate, large storage capacity, fast recognition and so on. Through the access management platform, multiple applications such as access control management, attendance management and visitor management can be realized, which is suitable for various scenarios such as parks, universities, enterprises, communities and hospitals.

U82

model: DR21-8UW

T82

model: DE21-8TW

2.2 product dimensions

U82 Equipment dimension drawing, as shown in Figure 2-1.
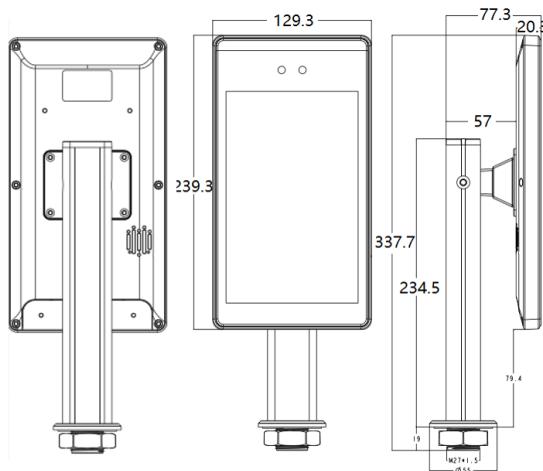

chart 2-1

T82 Equipment dimension drawing, as shown in Figure 2-2.
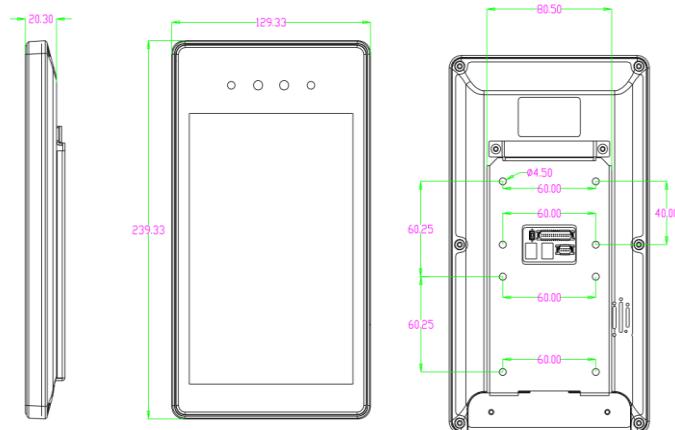
chart 2-2

2.3 structure description

The appearance of U82 equipment structure is shown in Figure 2-3. Please refer to the real object for details.
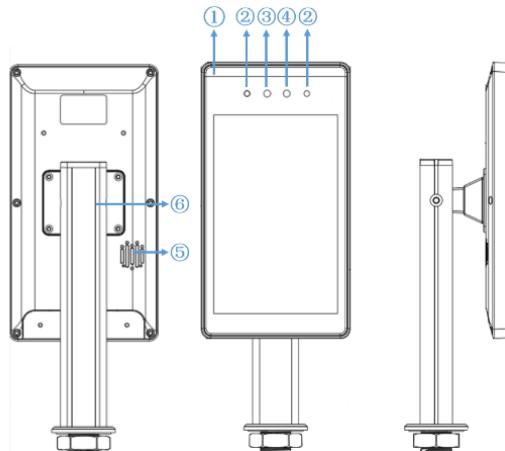

chart 2-3

Serial number	name	explain
1	Led fill light	Fill RGB camera
2	Infrared fill light	Fill in light for infrared camera
3	Infrared camera	Take infrared images
4	RGB camera	Take visible images
5	speaker	Play voice prompt
6	Tail line output hole	Panel tail line hole

The appearance of T82 equipment structure is shown in Figure 2-4. Please refer to the real object for details.
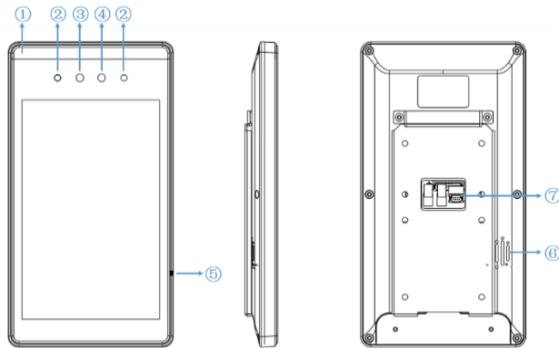
chart 2-4

Serial number	name	explain
1	Led fill light	Fill RGB camera
2	Infrared fill light	Fill in light for infrared camera
3	Infrared camera	Take infrared images
4	RGB camera	Take visible images
5	Mic outlet	For voice intercom
6	speaker	Play voice prompt
7	Tail line output hole	Panel tail line hole

3 installation instructions

Please check before installing the product to ensure that the product can work normally.

This document provides wall mounted installation methods for reference, and other installation instructions can be obtained by contacting our personnel;

3.1 gate type installation
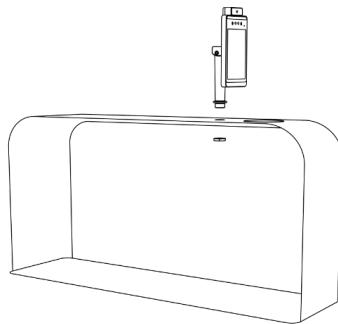
chart 3-1

Step 1: as shown in Figure 3-1, if there is no hole on the gate panel, it is necessary to use a punch to make a circle with a diameter of 35mm on the gate panel;

Step 2: as shown in Figure 3-2, thread the external wiring of the identification terminal and the vertical pole support through the hole on the gate panel;

Step 3: as shown in Figure 3-3, thread and tighten the upright nut from below to fix the identification terminal;
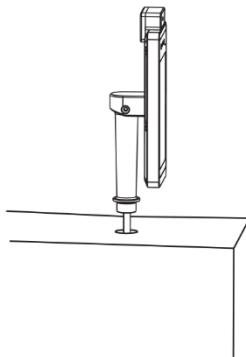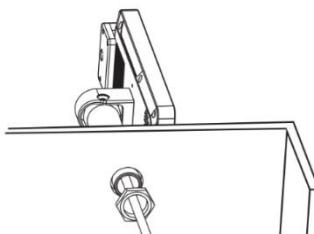
Chart3-2   chart 3-3

Step 4: as shown in Fig. 3-4, loosen the screw on the upright support, adjust it to an appropriate angle and tighten it again;
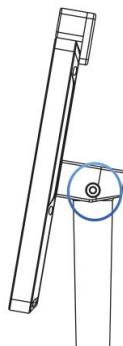
chart 3-4

3.2 wall mounted installation
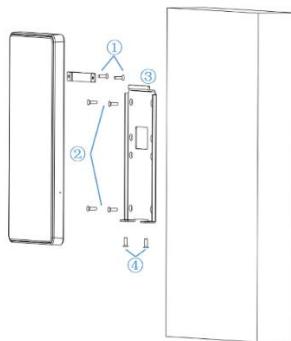
chart 3-5

Step 1: as shown in Figure 3-5, fix the sheet metal on the back of the machine body with screws ①;
Step 2: Mark four positioning points on the wall to confirm the installation position of the wall hanging support;
Step 3: as shown in Figure 3-5, align the four holes on the wall hanging bracket with the wall positioning point, lock four self tapping screws ②, and fix the wall hanging bracket;

Step 4: as shown in Figure 3-5, fasten the access control terminal sheet metal to the wall hanging support through position ③;
Step 5: as shown in Figure 3-5, use screws ④ to fix the access control terminal and the wall hanging bracket;
Step 6: after installation, as shown in Figure 3-6;

chart 3-6

4 wiring instructions

4.1 U82 schematic diagram of tail line
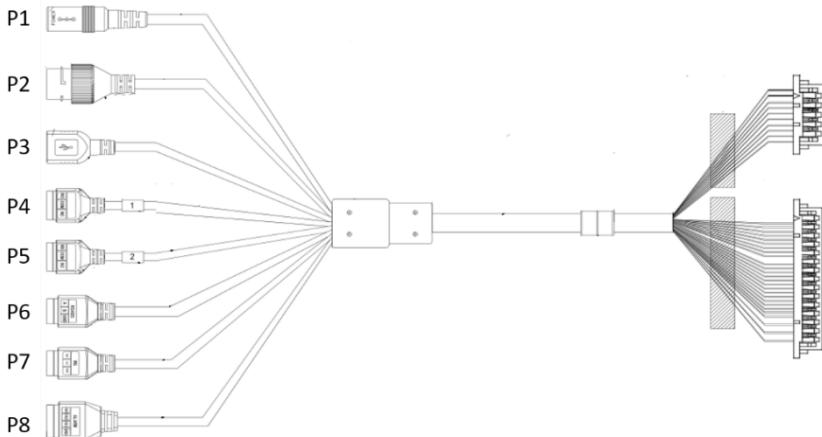
chart 4-1

U82 interface description

| Serial number	Interface name	Interface description	Pin color	Pin description
P1	RJ45 network port	Wired network port communication	/	RJ45 network port
P2	12V power supply	12V power input	/	DC_12V
P3	USB2.0	USB2.0 Interface	/	USB interface
P4	Relay output 1	Output IO signal	WHITE	NO1
			ORANGE	COM1
			RED	NC1
P5	Relay output 2	Output IO signal	GRAY	NO2
			WHITE/ORANGE	COM2
			WHITE/RED	NC2
P6	RS485	RS485 communication	BLACK	GND
			RED	5V
			WHITE/PURPLE	RS485+
			BROWN	RS485-
P7	WG_OUT	Wigan signal output	BLACK	GND
			YELLOW/GRAY	WG_OUT_D0
			WHITE/YELLOW	WG_OUT_D1
P8	ALM_IN、SEN_IN	Alarm signal input, door magnetic signal input	BLACK	GND
			PINK	ALM_IN1
			YELLOW/BLACK	ALM_IN2
			WHITE/GREEN	SEN_IN1

4.2 T82 schematic diagram of tail line

RED: VCC12V_VCIN BLACK: GND	P2

(21) ~ (25) 套管标签

WHITE: NO1 ORANGE: COM1 RED:NC1 P4

GRAY:NO2 WHITE/ORANGE:COM2 WHITE/RED:NC2 P5

BLACK:GND BROWN:RS485−
RED:5V WHITE/PURPLE:RS485+ P6

BLACK:GND YELLOW/GRAY:WG_OUT_DO WHITE/YELLOW:WG_OUT_D1 P7

BLACK:GND PINK:ALM_IN1 YELLOW/BLACK:ALM_IN2 WHITE/GREEN:SEN_IN1 P8
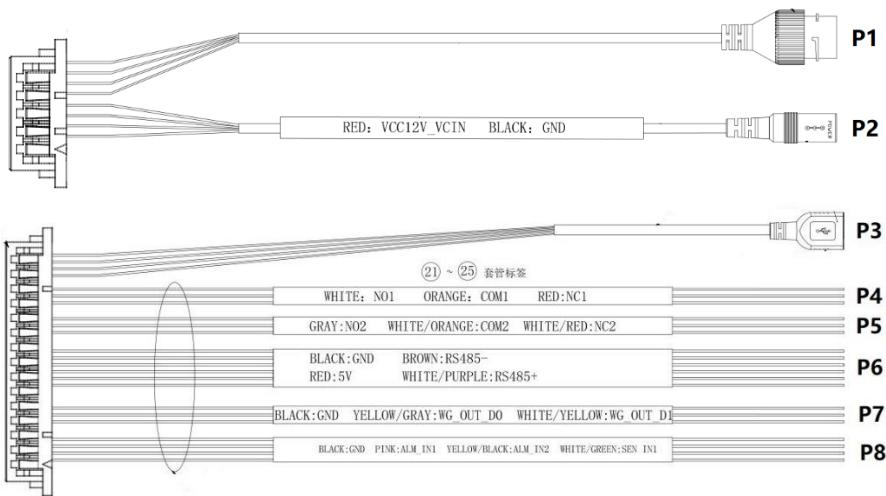
chart 4-2

T82 interface description

Serial number	Interface name	Interface description	Pin color	Pin description
P1	RJ45 network port	Wired network port communication	/	RJ45 network port
P2	12V power supply	12V power input	/	DC_12V
P3	USB2.0	USB2.0 Interface	/	USB interface
P4	Relay output 1	Output IO signal	WHITE	NO1
			ORANGE	COM1
			RED	NC1
P5	Relay output 2	Output IO signal	GRAY	NO2
			WHITE/ORANGE	COM2
			WHITE/RED	NC2
P6	RS485	RS485	BLACK	GND

		communication	RED	5V
			WHITE/PURPLE	RS485+
			BROWN	RS485-
P7	WG_OUT	Wigan signal output	BLACK	GND
			YELLOW/GRAY	WG_OUT_D0
			WHITE/YELLOW	WG_OUT_D1
P8	ALM_IN、SEN_IN	Alarm signal input, door magnetic signal input	BLACK	GND
			PINK	ALM_IN1
			YELLOW/BLACK	ALM_IN2
			WHITE/GREEN	SEN_IN1

5 Equipment Use

5.1 starting equipment

After correct installation, connect the power adapter to the mains and the other end to the equipment power interface to start the equipment. When the display is powered on, it indicates that the device is started successfully.

5.2 entry

5.2.1 browser configuration

The following takes windows 10 system and Google browser as examples.

1. Please check the network connection between the client computer and the terminal before logging in to the web interface.

2. It is recommended to use 360 speed browser, chrome, Firefox and other non IE core browsers.

3. For better display, please use the recommended resolution: 1600 × 900。

5.2.2 login web interface

1. DHCP login (factory default DHCP);

Enter the IP address in the upper left corner of the device display in the browser to enter the web login interface, as shown in Figure 5-1 and figure 5-1

chart 5-1 IP display of main interface
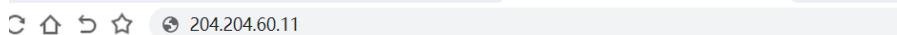
chart 5-2 IP access of input device

2.Static IP login:

Step 1: click the < setting > button on the device display screen interface;

Enter the initial password < admin > to enter the network configuration interface.

Step 2: close DHCP and modify the static IP address, subnet mask and default gateway

Save after, power off and restart the equipment.

Step 3: enter the modified IP in the browser to enter the web login interface.

● Default static IP：192.168.0.13；

● Subnet mask：255.255.255.0；

3.Log in to the web interface:

After accessing the IP address of the device through the browser, enter the user name and password of the device, and click OK

Click < login >, and you can enter the web management interface.

Default user name: admin; Default password: admin.

5.2.3 new personnel

1. Select [personnel management - personnel information] interface and select the personnel library to add personnel;

2. In the personnel list operation bar, click < add >;

3. In the pop-up new personnel interface, refer to the following table to configure personnel information;

4. Click < save > to finish adding personnel.

5.3 recognition

The tester can realize the recognition function by placing it directly in front of the recognition equipment.

Note: detailed instructions for the use of recognition terminal can be obtained by contacting our personnel.

6 EU DECLARATION OF CONFORMITY

$$C\ E$$

Hereby, Bresee Technology Co.,Ltd. declares that the radio equipment type DR21-8UW , DE21-8TW is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity Please see attachment DOC Letter

7 FCC Caution.

§ 15.19 Labeling requirements.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: 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 complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated withminimum distance 20cm between the radiator & your body.