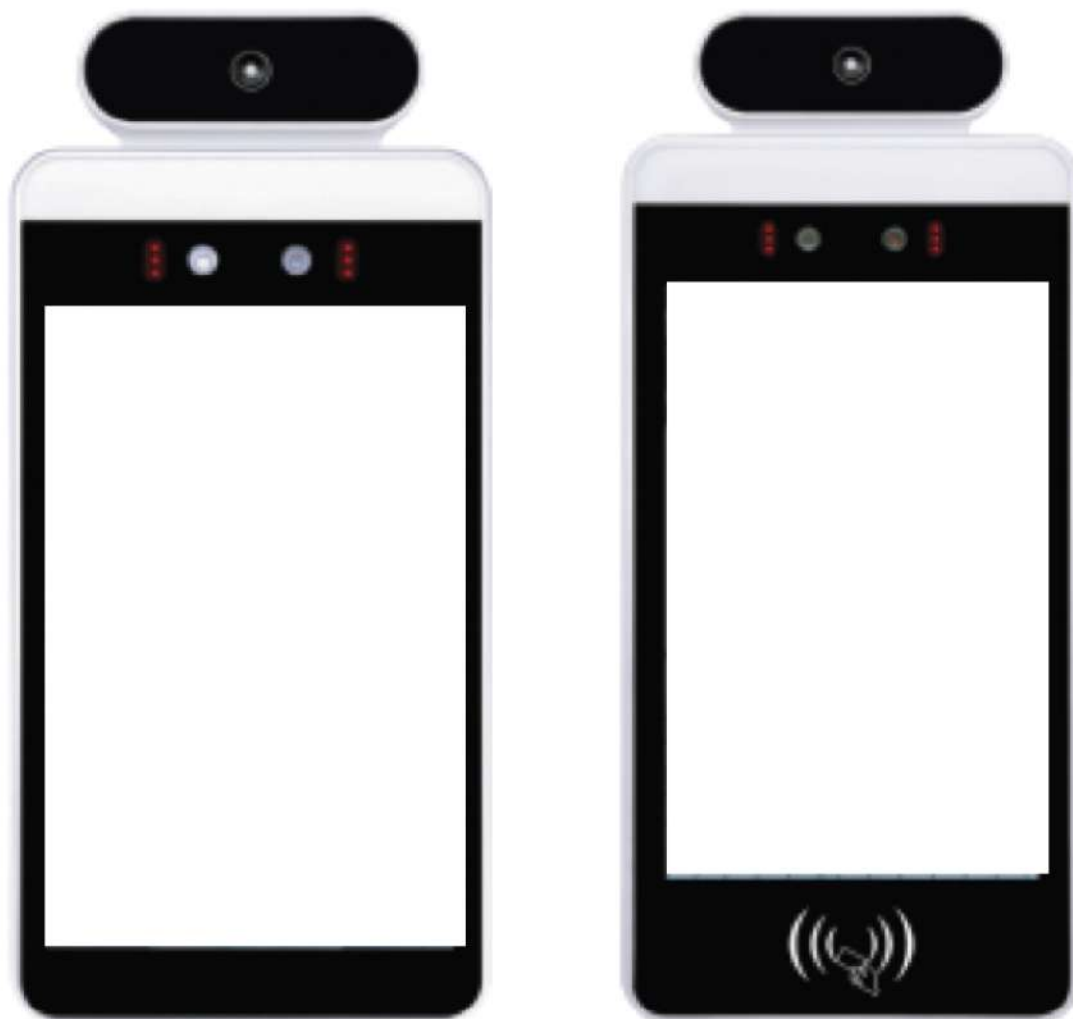# Pass Management Module of Temperature Measurement & Face Recognition Manual

SW-1081D SW-1083D

SW-1082D SW-1084D

SW-1085D SW-1086D

It can be used with access gates and attendance for communities, office buildings, schools, hotels, scenic spots, transportation hubs and other public service places.
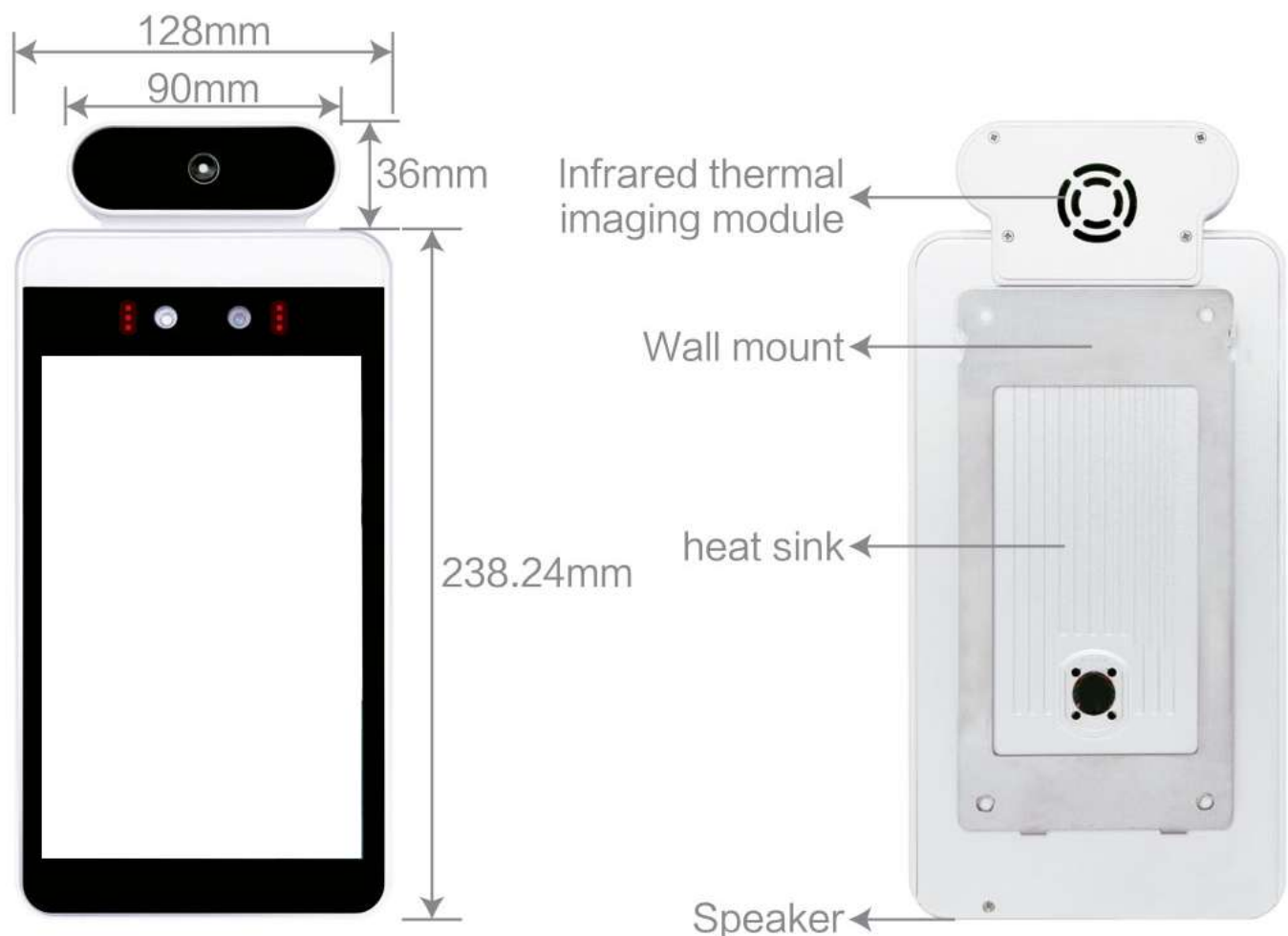
Parameters

Camera	Resolution	2 million pixels
	Type	Binocular wide dynamic camera
	Aperture	F2.4
	Focusing distance	50–150cm
	White balance	auto
	Photo flood light	LED and IR dual photo flood light
Screen	Size	8.0 inch IPS LCD screen
	Resolution	800 × 1280
	Touch	Not supported (optional support)
Processor	CPU	RK3288 quad-core (optional RK3399 six-core, MSM8953 eight-core)
	Storage	EMMC 8G
Interface	Network module	Ethernet and wireless (WIFI)
	Audio	2.5W / 4R speakers
	USB	1 USB OTG, 1 USB HOST standard A port
	Serial communication	1 RS232 serial port
	Relay output	1 door open signal output
	Wiegand	One Wiegand 26/34 output, one Wiegand 26/34 input
	Upgrade button	Support Uboot upgrade button
	Wired network	1 RJ45 Ethernet socket

Function	Credit card reader	None (optional IC card reader, ID card, ID card)
	Face library	Up to 20,000
	1: N face recognition	Support
	1: 1 face comparison	Support
	Stranger detection	Support
	Identify distance configuration	Support
	UI interface configuration	Support
	Upgrade remotely	Support
	Interface	Interfaces include device management, personnel / photo management, record query, etc.
	Deployment method	Support public cloud deployment, privatized deployment, LAN use, stand-alone use
Infrared thermal imaging module	Temperature detection	Support
	Temperature detection distance	1 meter (optimal distance 0.5 meter)
	Temperature measurement accuracy	$\leqslant \pm 0.5℃$
	Temperature measurement range	10℃~42℃
	Pixels	32 X 32 dots (total 1024 pixels)
	Visitors' temperature is normal and released directly	Support
	Abnormal temperature alarm	Support (temperature alarm value can be set)
General parameters	Power	DC12V（±10%）
	Operating temperature	0℃~40℃
	Storage temperature	−20℃~60℃

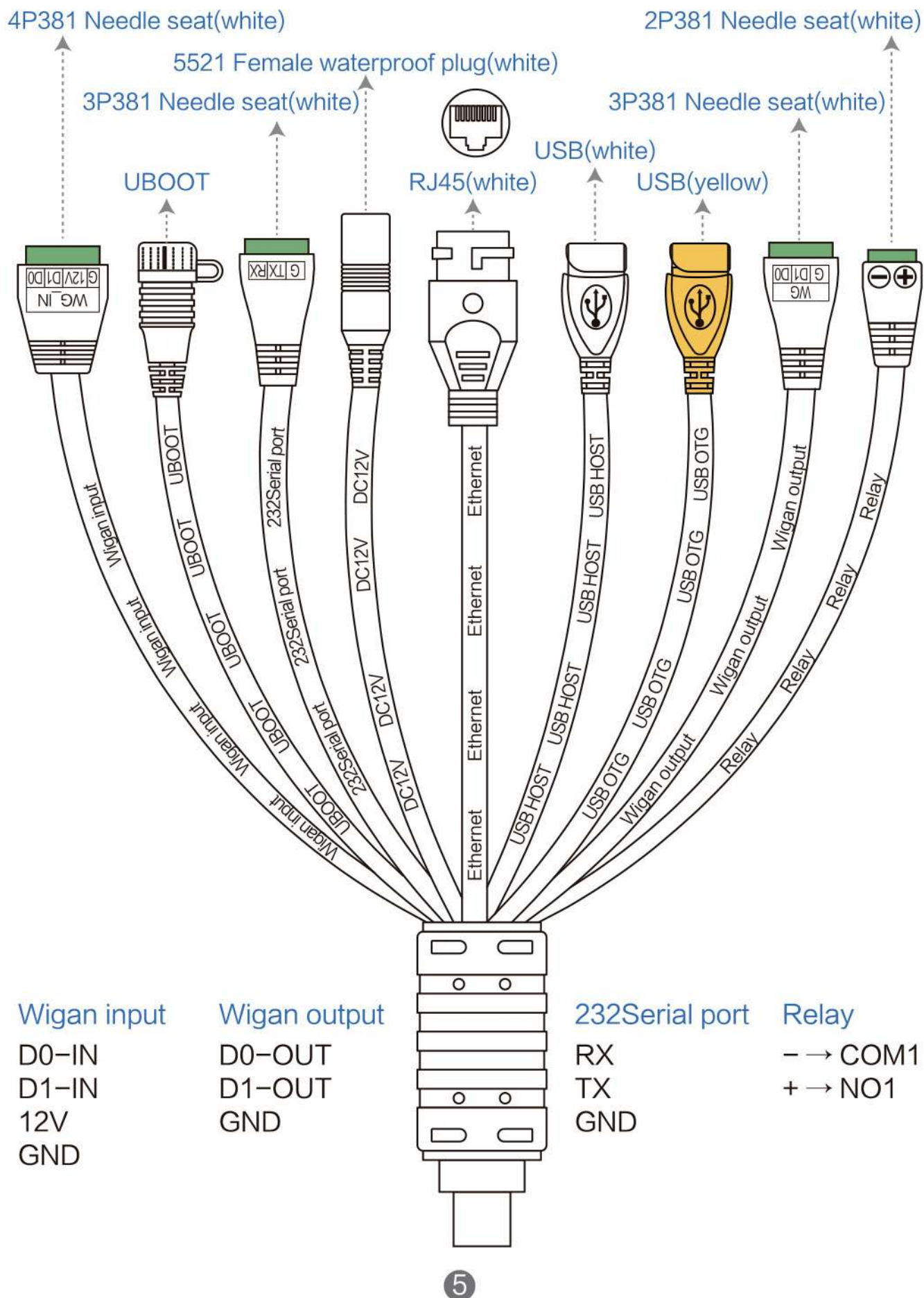| General parameters	Power consumption	13.5W（Max）
	Installation method	Gate bracket installation
	Size	Standard：274.24*128*21.48（mm）
		IC card / ID card：296.18*132.88*25（mm）
Packing list	Machine * 1, power adapter * 1, manual * 1, certificate of conformity * 1	

Installation Notes

1.Module structure description

128mm

90mm

36mm

Infrared thermal imaging module

Wall mount

heat sink

238.24mm

Speaker

Optional credit card (ID) version, size: 296.18*132.88*25（mm）

2、Port description

4P381 Needle seat(white)

5521 Female waterproof plug(white)

3P381 Needle seat(white)

2P381 Needle seat(white)

3P381 Needle seat(white)

UBOOT

USB(white)

RJ45(white)

USB(yellow)

WG_IN G 12V D1 D0

G TX RX

WG G D1 D0

Wigan input
Wigan input
Wigan input
Wigan input

UBOOT
UBOOT
UBOOT
UBOOT

232Serial port
232Serial port
232Serial port
232Serial port

DC12V
DC12V
DC12V
DC12V

Ethernet
Ethernet
Ethernet
Ethernet

USB HOST
USB HOST
USB HOST
USB HOST

USB OTG
USB OTG
USB OTG
USB OTG

Wigan output
Wigan output
Wigan output
Wigan output

Relay
Relay
Relay
Relay

Wigan input	Wigan output	232Serial port	Relay
D0-IN	D0-OUT	RX	− → COM1
D1-IN	D1-OUT	TX	+ → NO1
12V	GND	GND	
GND			

3、Installation method (take SW-1081D as an example)

① Mark the 4 fixing holes of the wall mount bracket on the pre-installed wall.
Drill the holes and fix the plastic expansion bolts in the positioning holes on the wall at one time.
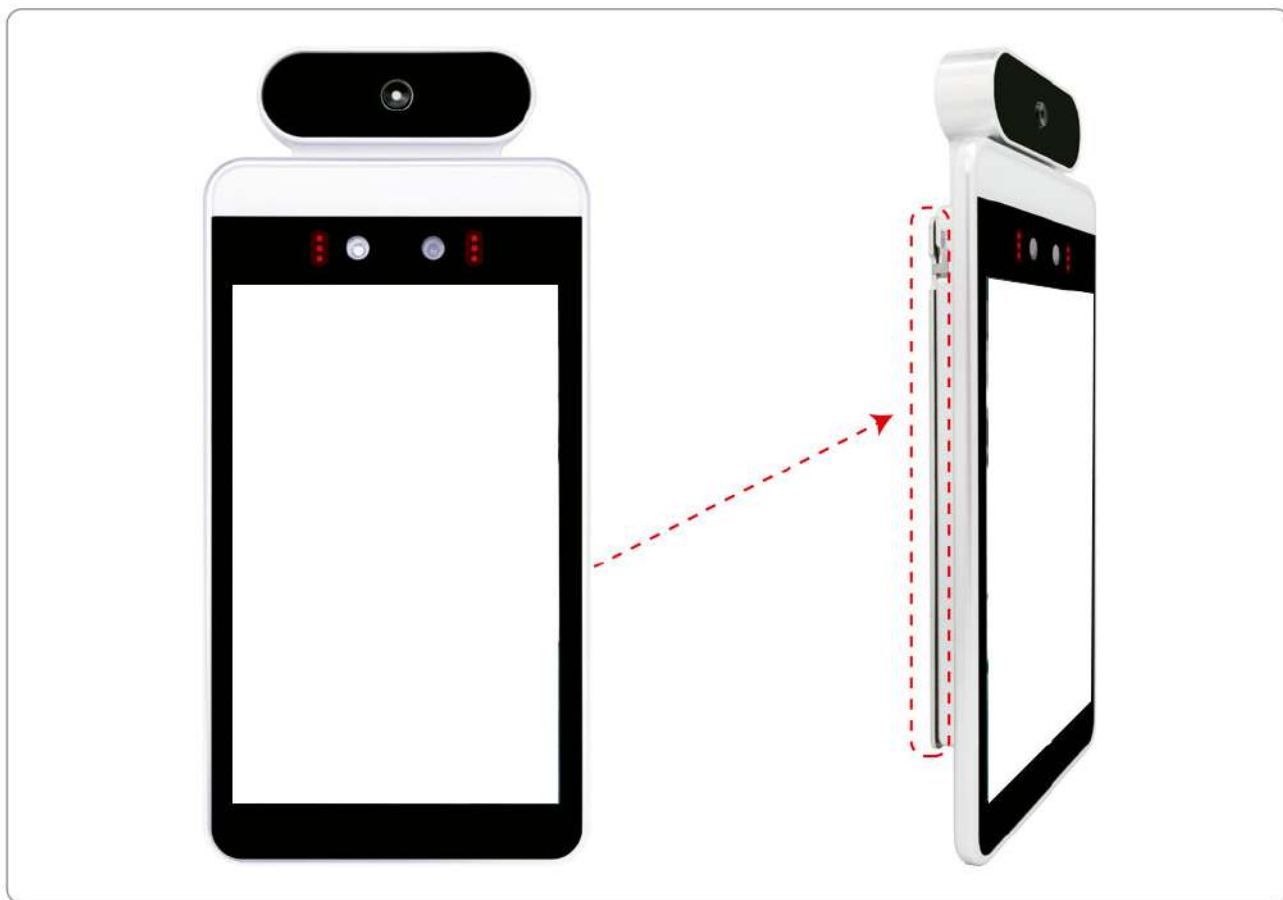

Note: The wall-mounted fixing plate is recommended to be 1.35 meters from the ground.

② Fix the wall mount bracket on the wall with 4 countersunk head tapping screws.

③ Fix the module on the hook of the wall mount bracket, and fix the lower hole of the device with the combination screw below.

Care and Maintenance

1. During the installation and use of the product, all electrical safety regulations must be strictly observed.

2. Please use the power adapter provided by the regular manufacturer. For specific requirements of the power adapter, see the product parameter table.

3. When installing on the gate, please make sure that the product is installed firmly.

4. If the product does not work properly, please contact the after-sales service personnel. Do not disassemble or modify the product in any way. (The company does not assume any responsibility for problems caused by unauthorized modification or repair.

5. Do not immerse the product in water. When the product is installed outdoors, try to use it with the rain cover provided by our company.

6. Please understand that you are responsible for properly configuring all passwords and other related product security settings, and keeping your username and password properly.

7. If the equipment does not work properly, please do not disassemble it for repair, otherwise it will affect the equipment warranty.

8. Avoid extreme or extreme environments such as extreme high temperature (or low temperature), high humidity, vibration, radiation, and chemical corrosion during installation and use.

Warranty Card

Dear customer, thank you for purchasing the Face Recognition Pass Management Module. In order to better serve you, please read, fill in and properly keep the warranty card after purchasing the product.

Your name	
Contact person	
Telephone	
Address	
Date of purchase	
Serial number	
Maintenance records	
Cause of issue	

Warranty description:

1. This warranty card is required to be properly kept by the user as a proof of repair.

2. This product is guaranteed for one year from the date of purchase.

3. Warranty Equipment During the warranty period, under normal use and maintenance conditions, the machine itself malfunctions. Upon inspection, the company will provide free repair and parts replacement.

4. During the warranty period, if the following events occur, the company has the right to refuse service or charge materials and maintenance service fees as appropriate.

1) This warranty card and valid proof of purchase cannot be provided.

2) Product failure and damage caused by improper user use.

3) Damage due to abnormal external forces.

4) It is not our maintenance service, and the user dismantles it to cause damage.

5) Failures and damage caused by natural disasters or other force majeure factors.

6) Others intentionally damaged.

5. The company reserves the right to modify and interpret all content.