

NEITZ

SC - 1000

Shuye PTZ camera system

Instructions for use

V1.0.1

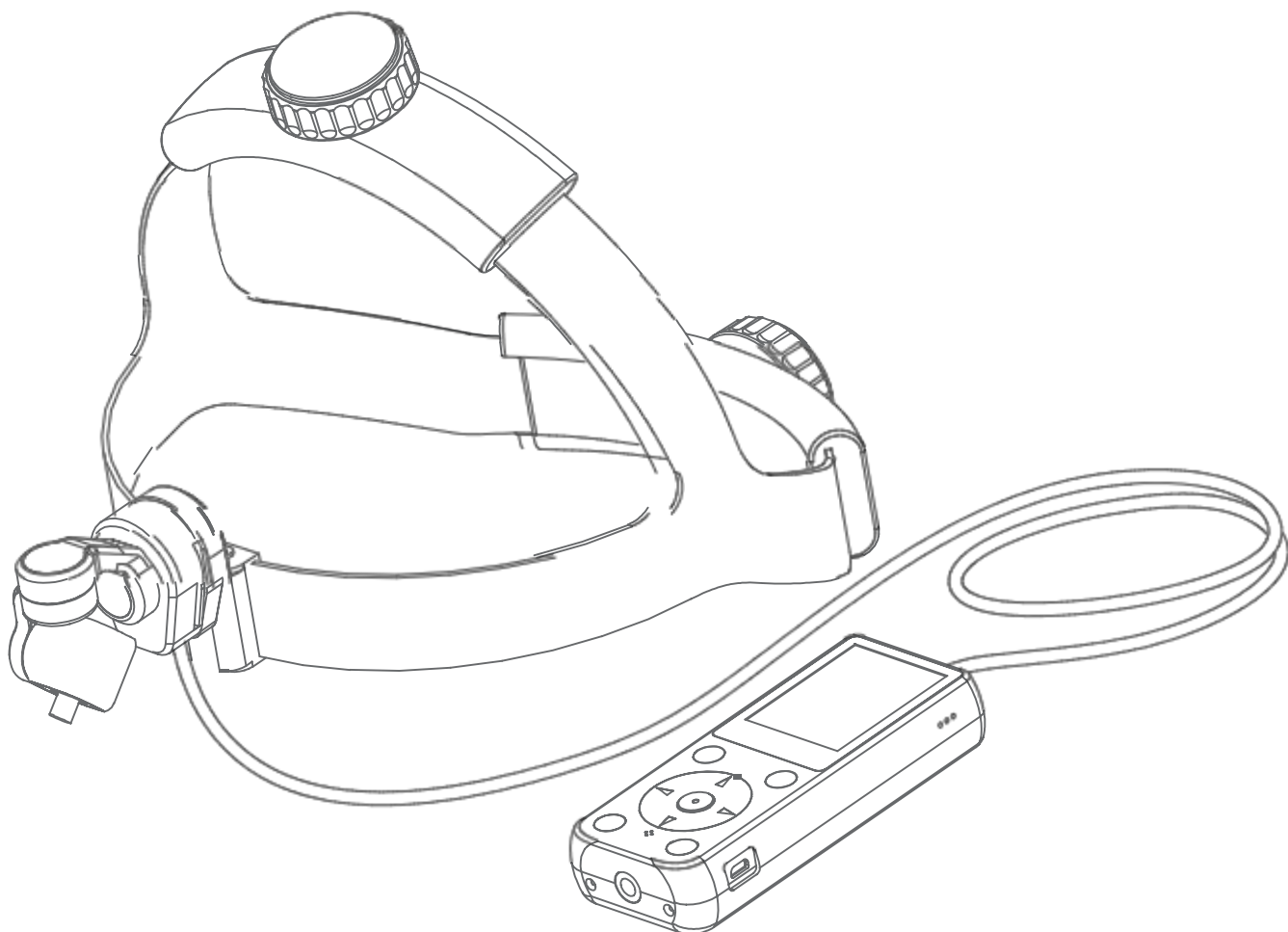


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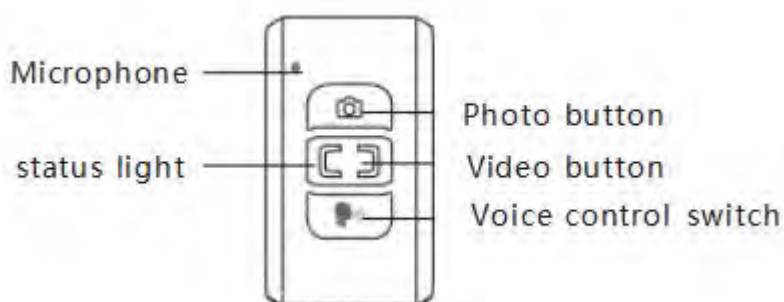
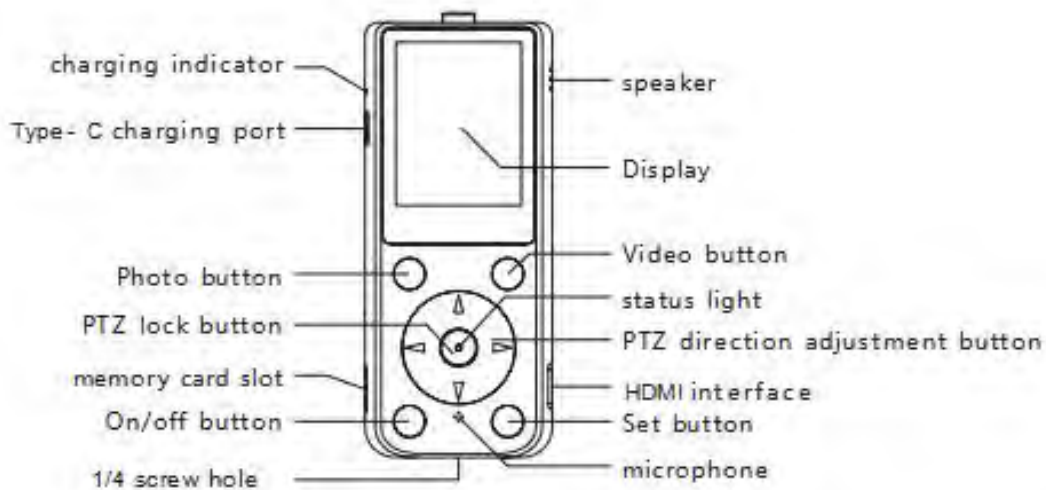
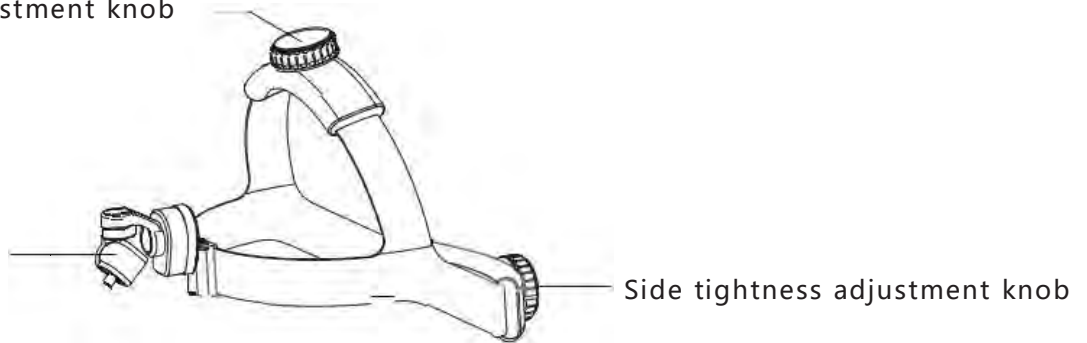
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1. Product overview

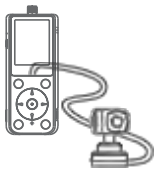
Product number	SC - 1000
manufacturer	Nitz Medical Technology (Shanghai) Co., Ltd.
country of origin	China-Shanghai

SC - The 1000 series PTZ camera system is a 4K high-definition shooting , Compact and portable , Convenient to store Controllable PTZ camera . Designed separately from the main control, Magnetic design at the bottom of the gimbal. Easy to fix and easy to remove unload .The extension cord connection handle allows for easy operation and monitoring. Five-way buttons can accurately control the direction of the gimbal. support Video sound playback , Three-axis anti-shake technology , Lock the gimbal direction with one click, With five-speed zoom function, even though Even if you have a small skill, you can complete the shooting , Voice or remote control wristband can control photography and video recording (video can be captured at the same time (take pictures) , Make operation more convenient. Need to be used in conjunction with a shadowless lamp or headlamp

Top tightness adjustment knob

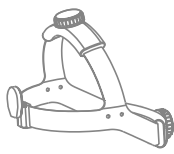


2. Checklist (standard configuration)



①

① Host × 1



②

② Hood × 1



③

③ Magnetic base × 1



④

④ Type - C data line × 1



⑤

⑤ Instruction × 1



⑥

⑥ Charger × 1



⑦

⑦ Remote control wristband × 1

3. start using



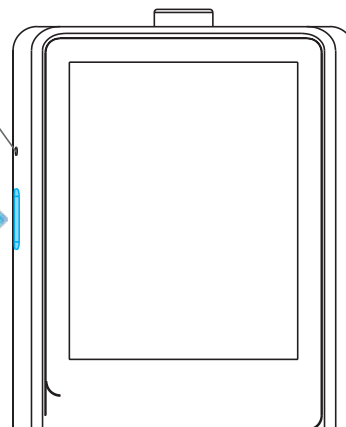
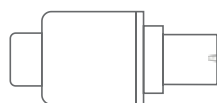
- (1) When using it for the first time, be sure to fully charge it first.
- (2) Please turn off the power when you are not using it.

3. 1 charge

Use Type - C data cable to connect to the charging port for charging.
It is recommended to charge it at least once a month.

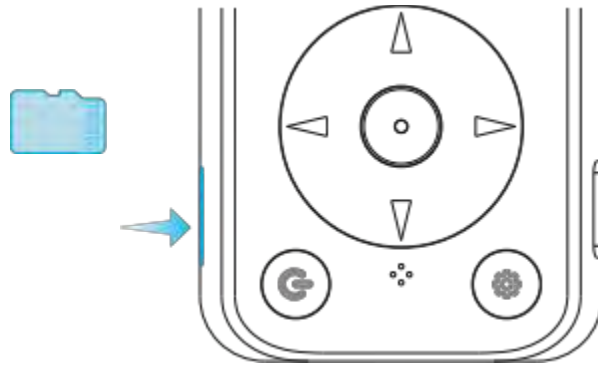
charging indicator

5V / 2A



3.2 Install MicroSD card

It is recommended to use a transmission speed of UHS -I Speed Grade 3 (U 3) rated MicroSD card (Bring your own). For the MicroSD card installed for the first time , it is recommended to use this product to format it before storing data.



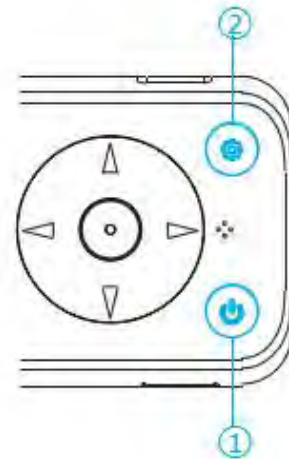
4. Use operations

4.1 Power button ①

Press and hold for 1 second: turn on/off
Double click: enlarge the screen

4.2 Setting buttons ②

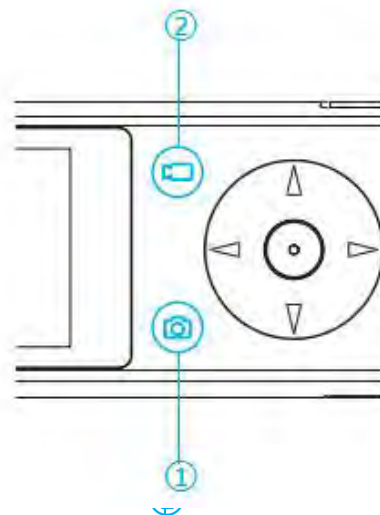
Click: Enter settings/switch to playback/exit
double click : Zoom out
Long press: turn on/off WiFi



4.3Photo button ①
click : Capture images

4.4Record button ②

Click: record/stop recording video Long press: pause recording/continue recording video



4.5 five - way buttons

Button ①

The gimbal can be controlled to rotate to the left in preview and shooting modes

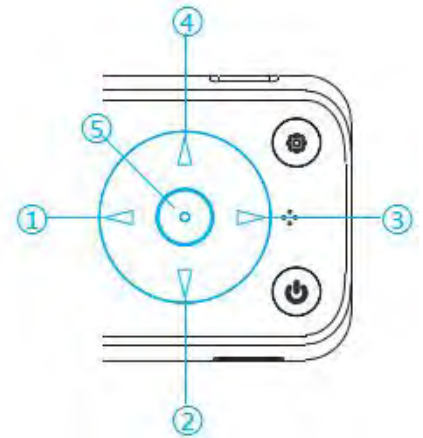
When setting the interface, select .left When playing back the interface, it is a collection (favorites can lock files to prevent accidental deletion)

Button ②

The gimbal can be controlled to rotate downward in preview and shooting modes

When setting the interface, select downward

When playing back the interface, it is the next one (video or picture)



Button ③

The gimbal can be controlled to rotate to the right in preview and shooting modes

When setting the interface, select right Delete during playback interface

Button ④

The gimbal can be controlled to rotate upward in preview and shoot

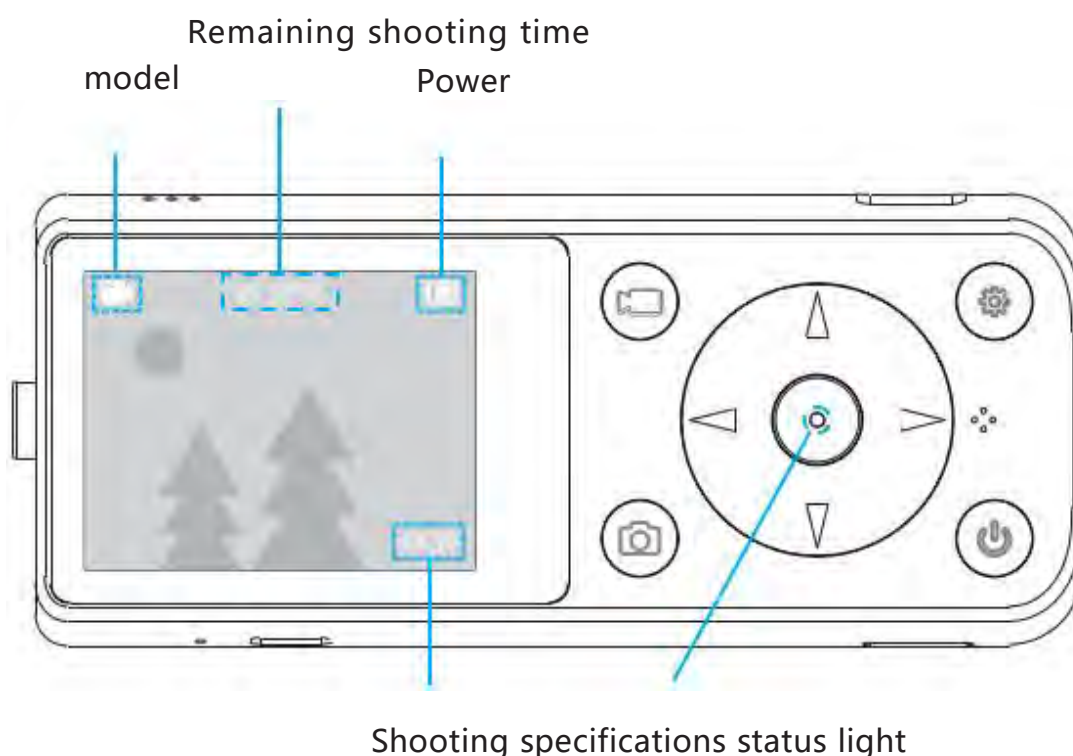
When setting the interface, select upward. When playing back the int the previous one (video or picture)

Button ⑤

Press and hold to lock the gimbal in preview and shooting modes

When the gimbal is locked, click to exit the lock mode. To confirm the selection when setting up the interface

5. Introduction to display icons and status lights



Mode: the current shooting mode (the default is recording mode when you turn on the camera and press the camera button to switch to camera mode).

 Recording mode  Photo mode

Remaining shooting time: The estimated shooting time based on the remaining capacity of the currently used memory card .

05:10:05 The remaining shooting time is 5 hours, 10 minutes and 5 seconds;

When time display is empty: No memory card or memory card error

Power: Reflects the current remaining power

 Fully charged  low battery  charging

Shooting specifications: reflects the current video specifications or image specifications

4K30 The current shooting specification is 4K @30FPS

Status light: reflects the current real-time status

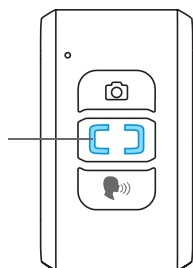
 Currently in video recording mode   Currently recording

 Currently in photo mode   Currently taking pictures

  No memory card or memory card error


6.remote control wristband

status light



 Take a photo Click to take an image

 Click to start or stop recording

 Recording click to enable voice control
Long press to turn off voice control

Status light: reflects whether the button is effective

 The current key takes effect   Voice control is currently on

7. parameter

Dimensions	52.1 × 31.5 × 29.1mm (storage state) 95 . 1 × 28 . 6 × 20 . 8 mm (working status)
Body weight	275g (including gimbal weight 60G)
Body material	Aviation aluminum alloy
waterproof level	Not waterproof
Battery	Capacity : 2000 mAh Type : Lithium-ion battery energy :14.8 Wh Voltage:7.4V Operating ambient temperature:- 20 °C ~ 60 °C
operating hours	480 minutes (1080 30fps Single camera shooting) 420 minutes (use 4K 30 fps Single camera shooting)
Charging time	2.0h (5V 2A)
camera	Image sensor : 1 / 2.5 " CMOS Effective Pixels :8.51M Lens: FOV : 20 ° F4.5 Equivalent focal length : 120 mm ISO range : 100 ~ 3200 Electronic shutter speed : 1/8000 ~ 16s Maximum photo resolution : 4512 × 2512 Photo shooting mode : single photo Video resolution : 4K 3840 × 2160 30 / 25 / 24 2. 7K 2704 × 1520 60 / 50 / 48 / 30 / 25 / 24 1080P 1920 × 1080 120/60/50/48/30/25/24 Recording mode : Normal video Maximum video storage stream : 4K @ 30 FPS maximum value 50Mbps Supported file systems : FAT32, exFAT Image format : JPG Video format : MP4, MOV Supported memory card types : Micro SD, Maximum support 512G (It is recommended to use U3 and The above high-speed cards) Audio output : 48 KHz, AAC
Display	2.0 inches / IPS / 320 × 240
processor	V39M
Wi - Fi	2.4GHz , bandwidth: 20MHz
Maximum control speed	60 ° / S
Controllable rotation range	Pitch controllable angle :- 95 ° ~ + 50 ° roll angle : + 45 ° ~ - 45 ° Course controllable angle :- 220 ° ~ + 40 °
Jitter suppression amount	± 0.005 °

8. maintenance

- (1) Please store it in the correct way, To avoid causing damage to the product.
- (2) When using, Please ensure that the rotation of the gimbal is not blocked by external forces.
- (3) Do not drop it, collision, To avoid causing damage to the product.
- (4) This product is not waterproof. Never come into contact with any liquid.
- (5) Please pay attention to dust and sand prevention.
- (6) It is recommended to use a clean, soft, dry cloth to clean the product surface.

9. Disclaimer

Thank you for using Nitz Medical Technology products . The content mentioned in this article is related to your safety , legal rights Please read carefully the benefits and responsibilities. and follow the instructions to set up and use this product correctly . Not according to the book Follow the instructions and warnings in the text to operate. May cause harm to you and those around you, Damage to this product or its surroundings product . Any illegal use by any user is prohibited. Users will be responsible for all actions of purchasing and using products Responsible . For this product, Our company does not assume any responsibility for any debugging and use of this product by the end customer . Risks and liabilities (including direct, indirect or third party losses). Our company is responsible for any products obtained from abnormal channels or with unknown uses. , no service will be provided.

 Notice:

1. Make sure that during the opening process of this product and after opening, The rotation of the motor is not blocked by external forces.
2. Products that are not marked as waterproof or water-repellent, Do not expose it to water or other liquids. Waterproof or water repellent Do not expose the product to sea water or corrosive liquids.
3. Please do not disassemble the entire product (except for the description of removable accessories). If it is accidentally disassembled and causes abnormal operation ,please Send back for re-commissioning. All costs incurred shall be borne by the customer.
4. Long-term continuous operation may cause the surface temperature of the motor to rise. Please proceed with caution.
5. It is strictly prohibited to drop or collide. Dropping or hitting this product may cause damage. Cause work abnormality

 Storage and maintenance :

1. Please store this product and battery out of the reach of children and pets.
2. It is prohibited to place this product and battery near heat sources (stoves or heaters, etc.) or in hot weather. Inside the car.
3. Please store this product and battery in a dry environment.
4. Never overcharge , Over discharged battery, Otherwise it will cause damage to the battery core . When not used for a long time, Suggest to Charge less than 1 time/month.
5. Do not use this product and battery in an environment where the temperature is too high or too low.

10. About safety and other precautions

Safety and precautions

before use, please be sure to read the precautions and warnings carefully, and use the device appropriately according to the instructions. also, as follows step, proper use of batteries and other components, prevent fire, personnel burns.

safety warning:

Do not use a microwave oven to heat batteries.
Never dispose of batteries in fire.
prevent Battery pack short circuit. When a conductor (any metallic substance, hard currency, paper clip) direct contact Battery The positive and negative poles (electricity pool both ends) will causing accidental short circuit. Short circuit will damage Battery, or cause personal injury. therefore, Charge electricity of Battery Should be handled with extreme caution.
This device cannot water proof (Common equipment, IPX 0), so Be sure not to get wet or soaked in water.
This equipment is not suitable for mixing with flammable anesthetics in air, oxygen or nitric oxide environment.

Notes on power supply units:

charging device provided by a non-Nitz Medical Technology supplier is prohibited. If you use a charging device not provided by the supplier damage to any equipment caused by, the manufacturer is not responsible.
Do not bend or twist the power cord forcefully. Otherwise it may cause fire or electric shock.
Do not touch power supply equipment with wet hands or wet objects, otherwise it may cause electric shock or equipment damage.

Notes on the main body of the device:

Any disassembly or modification of the device is prohibited.
It is prohibited to open the main body of the device and insert metal or flammable objects, otherwise it may cause fire or electric shock.
Dropping or receiving a hard blow can cause potential damage to the device.
Do not store headlamps in direct light, humid and dusty places.
Use a soft, dry cloth to clean. Do not use detergents or chemicals for cleaning, otherwise it will cause discoloration.
Do not place it within the reach of children and pets.
Keep the following good storage or transportation conditions.

Storage environment (runtime)	
suitable temperature	6°C - 40°C (43°F - 104°F)
temperature environment	30 - 85% at 6°C - 40°C (43°F - 104°F)
pressure	860 hPa - 1060 hPa
Storage and transportation environment (non-operational)	
suitable temperature	10°C- 40°C

! Notes on headlight lighting components:

Never fall, crush the lens or put the lens under high pressure. Please clean the lens with a soft cloth moistened with alcohol or methanol. Do not forcefully bend or even twist the cable connecting the main body and lens assembly. Headlight beam radiates heat. To prevent burns, direct contact is prohibited. To avoid permanent eye damage, do not look directly into the headlight or point the headlight into other people's eyes. Please see the warning label below.

RISK GROUP

Please note : This product may emit optical radiation, do not run while looking directly at lamp holder in. May cause damage to glasses.

! Notes on straight chargers:

Do not use any metal objects to connect the cradle charger and battery. Otherwise it will cause damage to the charger and direct charger. Only use straight chargers provided by Nitz Medical Technology Co., Ltd., otherwise the charger and direct charging will be damaged.

! About destruction:

If not handled properly, will pollute the environment, Therefore they must be collected separately.

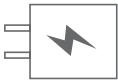
! electromagnetic compatibility

Electromagnetic compatibility to avoid harmful interference, designed to protect medical equipment. Within a certain range, the system will produce electromagnetic interference. Also, if the installation direction is incorrect, or use the wrong, it may happen that the energy of the radio band affects other surrounding harmful interference caused by other equipment. We cannot guarantee that interference will not affect particular equipment. When the device is powered on, Will find out if electromagnetic interference occurs.

It is recommended to choose one or more of the following methods to solve such problems

1. **Relocate** the interfered wavelength device of.
2. **place** each device Keep some distance between them.
3. **Connect** from a device port to another device port connection.
4. If you need expert help, please contact the manufacturer or professional dealer.

! Direct charge



A input Voltage	100/240V 50/60HZ@0.3A
B loses out Voltage	DC -5V@2A

warn : Battery charging application Direct charging source provided by Nitz Medical Technology Co., Ltd. . If other similar power supplies are used Malfunction caused by charging, additional fees will be charged

! transportation

1. **for** Prevent the camera system from being transported during transportation If damaged, wrap it with plastic foam and put paper middle.
2. **When** transporting by trolley or truck, lay the camera system carton flat
3. **When** carrying the camera system by hand, for safe transportation, hold the charger firmly with both hands and take it apart Appliances and body.

Storage environment (during transportation)

ambient temperature	6°C - 40°C (43°F - 104°F)
Relative humidity	30-85%
pressure	860 hPa - 1060 hPa

Storage and transportation environment (not during transportation)

ambient temperature	10°C- 40°C
Relative humidity	RH 30-85%
pressure	860 hPa - 1060 hPa

1. **prevent** The power cord is severely damaged, no bending bend fold pull power cable.
2. **roll up** loosely power cord and tie it with a rubber bandage or nylon tie electric wire.
3. **Prevent** the main body from being exposed to strong earthquakes, direct light and high temperature under the environment, otherwise it will cause a lack of trap.
4. **Battery Notes:** because Small battery size, high power, if long Time is filling under power condition, meeting reduce electricity Pool life or functionality.
 - 1) If not established i.e. use, please at Battery Store when half of the battery is left.
 - 2) If not established i.e. use, please change The battery is separated from the main body.
 - 3) Recommended to store in dry weeks The surrounding temperature is +15°C to +25°C under the environment, stay away from high and low temperature environments.

! Cleaning instructions

1. **Use** it regularly with Neutral detergent of smooth cloth to clean equipment surfaces, wait for it to dry before use.
2. **The** use of volatilization is prohibited Study medicine Taste, such as gasoline, ethanol and Acetone cleaning. If these changes study Product contact equipment table noodle, please clean with a smooth damp cloth moistened with a neutral detergent. However, the manufacturer is not responsible for any defects caused by chemicals. irresponsible.
3. **Please** do not expose the device to excessive temperature or humidity disinfection and cleaning process middle, otherwise it will cause damage to the equipment. Damage caused by this even within the warranty period, and cannot be repaired for free. Never allow any liquid to enter the main body body.

! Maintenance service

1. This maintenance service applies to all nation, without any other special maintenance terms.
2. All maintenance services must be provided by Nitz Medical Technology Ltd. or authorized Provided by professionals.
3. For materials, production shortage damage or normal use lack of trap, warranty self sales Date starts counting. Therefore the warranty period Since the first seller promotion of Starting date. The following situations are not allowed Claiming Warranty: Abuse, No when using, fault use, Improper installation and operation, any transformation by non-professionals, tested and revised weekly by non-professional technicians. Please look at line 13 during maintenance between.
4. Batteries and Memory card (consumes Taste) The warranty period is Purchased since 6 months from date.
5. Damage after replacement of parts or any repairs parts is owned by Nitz Medical Technology Ltd. All rights reserved.
6. When repairing or replacing parts, the shelf life will not be extended.
7. Changes or customer requirements Personalized changes are not covered by the warranty.
8. Warranty When applying, need to submit the product with product serial number of the original purchase invoice.
9. Change warranty conditions, must be approved by Nitz Medical Technology in advance Ltd. of approval.
10. This manual describes Other shortcomings when collapse occurs, please send the product Product return Back to manufacturer. If qualified engineers concluded This shortcoming by abuse or not caused when using of,

warranty The application will be rejected return . Before repair , the manufacturer will notify the maintenance fee use , repair with approval.

11. Before sending the equipment , please contact the manufacturer or distributor , and report the return material authorization number and related reference number according to.

12.No user spare parts . If you need service , send parts to us for service center or dealer . technology theory bright /Guide available upon request . No user spare parts . If you need service , send parts to us for service center or Dealership . technology theory Instructions/Guidelines are available upon request.

13.Camera system warranty period

1) Camera system (except Got it Batteries and Finiz Medical Technologies have Co. , Ltd. provides s component) 1 year.

2) Batteries and Memory card: 6 months.

FCC Warning

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

NEITZ

The contents of this manual are subject to update without prior notice.

If you have any questions or suggestions about this content , you can contact us through the following methods .

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