

FHD Sewer Pipe Inspection Camera User Manual



Pipe Pulley



Protective Shell



Connection Cable



Power Charger



Screwdriver



Remote Controller



Model No: F927ADFB

Please contact us at the first time if you got issues with the product

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Attention: The illustrations and screenshots of this manual are to explain the product's operation, which may be a little different from actual products due to the products' version upgrades and different production batches. If the content in this manual does not match your machine, please refer to the machine!

1. Notice

- a. Please read the manual carefully before using the product.
- b. Handle the device with care when operating, do not drop or push hard.
- c. Do not dismantle the machine without permission.
- d. Please turn off the monitor and disconnect the device after use.
- e. Before inserting the TF card into the device, please back up the information on the TF card to avoid loss of information.
- f. Do not cut off the power suddenly during recording and playback, otherwise, the product and video files may be damaged.

2. Range of Product Use

- a. Household pipeline blockage inspection
- b. Pipe inspection camera, pipeline tools
- c. Underground water pipes, HVAC systems, oil and gas pipelines
- d. Rescue operations in narrow spaces
- e. For underground exploration
- f. Scientific research on underwater riverbeds
- g. Sewer system inspection
- h. Any other hard-to-reach locations/areas

3. Product Specification

---Camera and Cable---

Sensor: 1/3 CMOS

Camera resolution: 1000TVL

Camera diameter: 0.9in/23mm

Camera light source: 12pcs 1W high white LED (adjustable)

Camera angle: 145-degree

Camera material: stainless steel, sapphire lens, IP68 waterproof

Camera protective cover size: 1.5in*1.1in/38mm*28mm

Camera pipe pulley: 5.1in*1.1in/130mm*28mm

Cable Length: 66ft/20m, 100ft/30m, 164ft/50m (optional)
Cable diameter and material: 0.2in/5mm high elastic cable

---Monitor Screen---

Size: 7-inch

Camera/monitor picture: color IPS LCD

SD card: package includes 16GB card, support max 128GB

Display resolution: 16:9, 1024*600 IPS

Menu Language: English/Germany/French optional

Display port: power input/Video

Display video format: AVI with Year,Month,Date,Time and Seconds

Display operate: button and remote control

Working temperature: -4~140°F /-20~60°C

Storage temperature: -22~176°F /-30~80°C

---Battery Box---

Charger: 100VAC-240VAC/DC 12.6V 1000MA

Charging time: about 5 hours

Battery: lithium battery 12V 4500mAh

Battery continuous working time: about 6-8 hours

4. Product Parts and Operation

(1) Display Screen



Display Operation:

-Menu setting (need to exit the REC mode)

Press MENU enter, Press "<" ">" to select, press "Rec/- " to confirm your selection, Press EXIT to back. you can set display setting/playback/video setting/storage/system setting.

-How to zoom in image during recording:

Press "<" to zoom in 0-5 x, press it 5 times to zoom in to the limit, and at the 6th time press to return to normal.

-How to record a video:

Press "Rec/- " to start recording, press "Rec/- " again to stop.

-How to take a snapshot:

Press ">" to take a photo quickly.

-Video Browsing:

Press "PLAY/+" first time to enter photo viewing, press it second time to enter video playback, press it again to exit. Press ">" "<" to select, press "REC/-" to play.

-How to delete the picture or video:

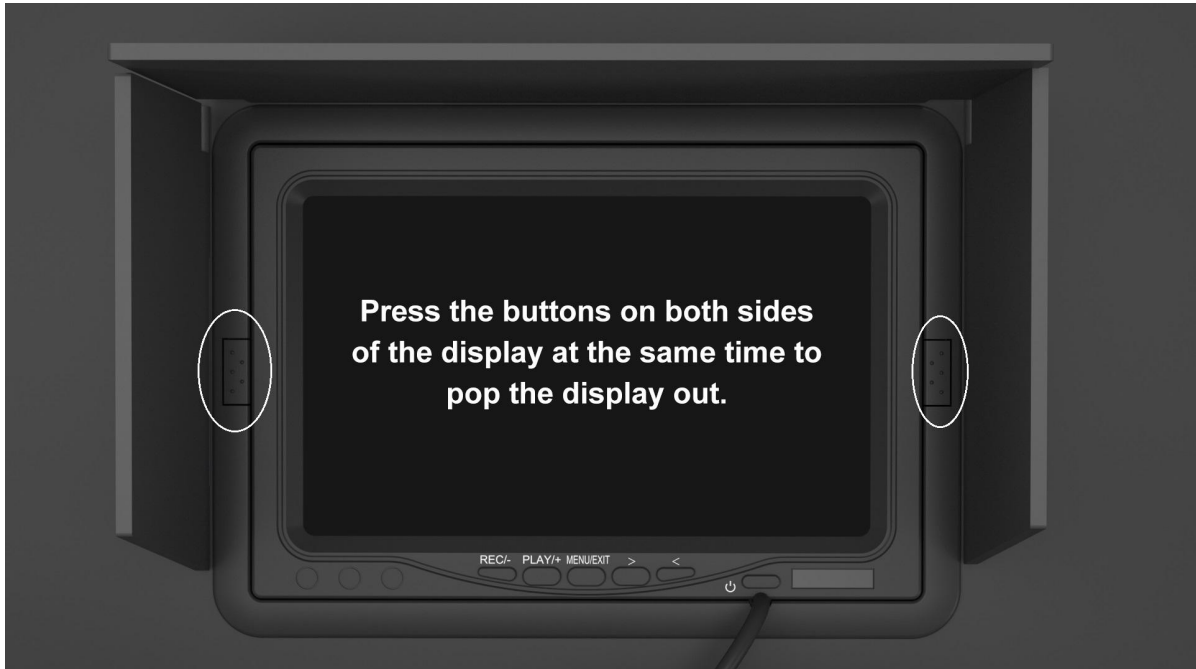
Press "PLAY/+" to enter photo/video viewing, press ">" to choose one of the pictures or videos, press "MENU" and ">" to enter selection of delete or delete all, press "REC" to confirm the selection, press "PLAY" again to exit.

-How to revise the video length of recording:

The recorded video will be divided into fixed-length videos and stored on the memory card, the default duration is 3mins, you can revise it to up to 10mins. press "Menu" and ">" to choose "Video Menu" and press "REC/-" times to revise it to 5mins, 10mins, 1mins, or 3mins, at last press "Menu" to exit.

-How to remove the screen and take out the memory card:

A. Press the buttons on both sides of the display at the same time to pop the display out.



B. There is an SD card slot on the left side of the display. press the card to pop it out.



(2) Camera (IP68 waterproof)

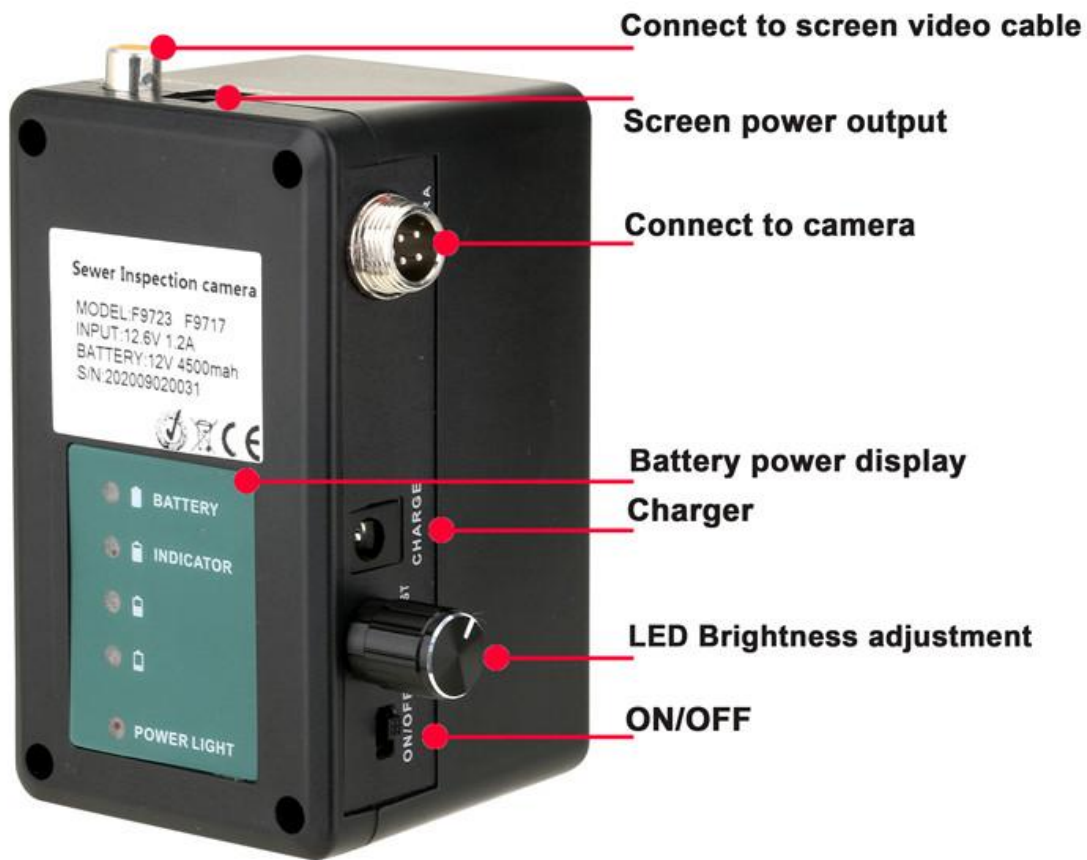


(3) Cable Coil

Put the cable on the hook, pull to release, or push back to coil the cable.



(4) 4500mAh Battery



(5) Power Charger

AC: 100-240V
OUTPUT: 12.6V-1000MA

Indicator Light
Red Color - Charging
Green Color - Fully Charge



UK plug

EU plug

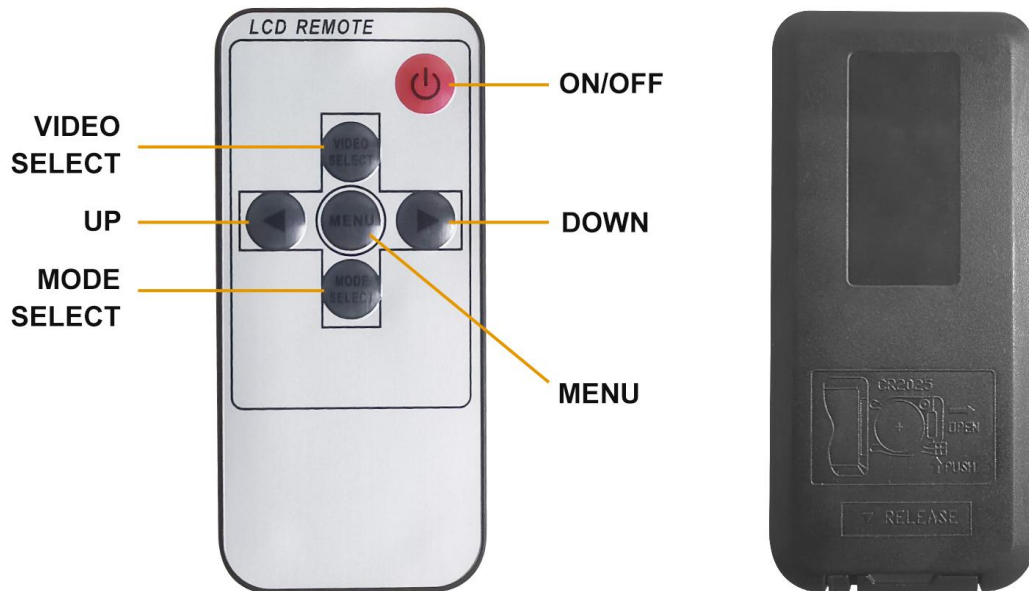
US plug

When the battery is low power (< 20%), please recharge it, the charging time is about **4-5 hours**. Working time is 6-8 hours after full charging

Note: To make sure the battery has longer use age, please recharge it timely;

otherwise, the battery may be damaged.

(6) Remote Control



Please be noted that the transparent insulating card protects the battery, you need to remove it before use.

VIDEO SELECT: function same with the screen button “PLAY/+”

MODE SELECT: function same with the screen button “REC/-”

◀ : function same with the screen button “<”

▶ : function same with the screen button “>”

5. Accessories List

- | | | | |
|---------------------|-----------------------|------------------------------|-----------------------|
| ①aluminum box *1 | ②display * 1 | ③battery * 1 | ④connection cable * 1 |
| ⑤cable coil *1 | ⑥camera head * 1 | ⑦camera protective cover * 1 | |
| ⑧pipe pulley * 1 | ⑨16GB SD card | ⑩charger * 1 | |
| ⑪remote control * 1 | ⑫mini screwdriver * 1 | | |



① aluminum box *1



② display *1



③ battery*1



④ connection cable * 1



⑤ cable coil *1



⑥ camera head * 1



⑦ camera protective cover * 1



⑧ pipe pulley * 1



⑨ 16G SD card



⑩ charger*1



⑪ remote controller



⑫ mini screwdriver

6. Device Installation



The following are the steps to install the pulley



1. loosen the 4 screws and expand the space of the pulley



2. put the pulley on the camera probe



3. put the screws back and tighten

The following are the steps to install the protective case



1. use the mini screwdriver to loosen the white screw



2. put the camera protective case on the camera head



3. use the mini screwdriver to tighten the white screws

7. Failure and Diagnosis

Common problems / faults	Solutions
No power	a. Check whether each interface is connected correctly; b. Check whether the battery is out of power, check the power display.
Can't record	a. Whether the SD card is inserted correctly; b. Insufficient SD card memory; c. Check whether the power off during the recording process.
Can not be charged	a. Is the DC adapter plug-in correctly; b. Check if the indicator light of the DC adapter is on.

No signal	<p>a. Check if the connection is well connected and make sure all cable is correct connected;</p> <p>b. Check the camera head. and slowly rotate the connection adjust its tightness.</p>
Recording videos in black and white color	Adjust the LED light button to the appropriate brightness, observe the screen display, and select a brightness that is clearer and more colorful.
Screen display turn blue	<p>a. Check the video cable if wrong connected, and reconnected it to battery;</p> <p>b. The video cable is broken, need to replace the new video cable. contact seller or our customer service email for help.</p>
Video works ok but LED doesn't work	<p>a. Check if you turn on the led or not, try to rotate the knob on the battery to adjust the brightness;</p> <p>b. Rotate the camera connector a little tighter or looser, check if it works or not;</p> <p>c. Use voltage tester pen to test all the connector, find out the broken part and contact seller for free replace.</p>

8. Warranty

-----Contact Us-----

Go to our website to download the user manual or view more products:

<https://www.sanyipace.com>

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