

Sewer Camera System User Manual



Model No: S8951DM

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

Amazon Orders After-sale: support@sanyipace.com

Website Orders After-sale: service@sanyipace.com

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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. Scope 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

Resolution: AHD 1080P

Camera diameter: 0.9in/23mm

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

Camera angle: 145 degrees

Camera material: stainless steel shell, sapphire lens, IP68 waterproof

---Monitor Screen---

Size: 9-inch

Camera/monitor picture: IPS LCD color

Monitor input voltage: DC 12V

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

Display resolution: 1024*600 IPS

Menu Language: Chinese/English/Russian/French/German optional

Screen port: power input/video

Screen operation: press buttons

Video format: AVI

Photo format: JPG

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

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

---Battery---

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

Battery: lithium battery 4500mAh

Battery continuous working time: about 6-8 hours

4. LCD Monitor Operation



TF card: including 16GB, maximum support 128GB card.
Built-in microphone.

Display Operation:

- ON/OFF

Connect all the cables of the device, press the power button on the screen, and the system starts, press it again to turn off the device.

- Turn On

Press it to turn off the screen when you don't need to watch the view.

- SIBS

Toggle the distance units displayed on the screen (meters and feet). Before using this function, please press the **CLEAR** button to clear the counter information. You can toggle the display in feet or meters by pressing the SIBS button. It will start counting feet/meters when the coil rotates, and display it on the screen in real-time.

- Menu Settings (need to exit REC mode):

Press the "MENU/EXIT" key to enter the menu settings.

Press ">/PHOTO" "</ZOOM" to select, press "REC" to confirm, and press "MENU/EXIT" to return.

- How to Record Video:

Press "REC" to start recording (video with audio), press again to stop recording.

- How to Playback Images/Videos:

Press "PLAY" to enter image browsing, press it again to enter video playback, press ">/PHOTO" "</ZOOM" button to select, press "REC" to play, press "REC" again to exit. This device doesn't have a speaker, if you want to play videos with sounds, please take out the SD card and play audio videos on a PC.

- How to Take Photos:

Press ">/PHOTO" to capture a photo, press one at a time.

- How to Zoom the Image While Recording:

Press "</ZOOM" to zoom in 0-5 times, press the 6th time to return to normal (0).

- How to Delete Pictures or Videos:

Press "PLAY" to enter photo/video viewing, press ">/PHOTO" to select one of the pictures or videos, press "MENU/EXIT" and ">/PHOTO" to enter delete or all delete options, press "REC" to confirm, press "PLAY" again to exit.

- How to Modify Video Length:

The recorded video will be divided into fixed-length videos and stored in the memory card, and the default length is 3 minutes. You can adjust it up to 10 minutes. Press "MENU/EXIT" and ">/PHOTO" to select "Video Menu", press "REC" to change it to 1mins, 3mins, 5mins, or 10mins, and press "MENU/EXIT" to exit after setting.

- How to Set Recording without Audio:

Press "MENU/EXIT" and ">/PHOTO" to select "System Settings", press "REC" to enter sub-options, press ">/PHOTO" to find "Sound Settings", press "REC" to adjust turn on or off, press "MENU/EXIT" to quit.

5. Camera Probe & Pipe Pulley

Camera probe size details:



6. Battery & Adapter

The battery is built into the panel with a capacity of 4500mAh, and the screen displays the battery power status. [When the screen shows that the power is lower than 9V, please charge the battery.](#)

[Note: To ensure a longer battery life, please charge it in time; otherwise, the battery may be damaged and cannot be recharged.](#)



7. Device Installation

- a. Connect the side of the video cable to the port on the control panel and tighten it.
 - b. Connect another side of the video cable to the cable coil bearing and tighten.
 - c. Press the ON/OFF button on the control panel to turn on the device.
- (As below pictures)



8. Cable Coil

New stable and strong coil structure with steel bearing inside, can easily release or coil the cable with less time and force.

How to release the cable:

Take out the cable from the holder, then pull the coil clockwise to release.

How to coil the cable:

Turn the cable counterclockwise to coil the cable back while using your other hand to hold and rotate the coil, then lock the cable in the holder.



9. Trouble & Troubleshooting

Trouble	Troubleshooting
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 be charged	a. Is the DC adapter plug-in correctly; b. Check if the indicator light of the DC adapter is on.
Can't record videos	a. Whether the SD card is inserted correctly; b. Insufficient SD card memory; c. Check whether the power is off during the recording process.
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 flashes	Please fully charge the device and confirm it again, the device doesn't have enough power to support its work.
Turn on the device but the screen freezes	Please take out the SD card and confirm it again, if you take it out and the device can work, please format the SD card on PC or use another SD card to work with the device.

<p>No signal, screen turns blue</p>	<p>a. Distance Counter: If you install the camera probe, it can work, but you pull out the cable about 20ft and the screen shows 'no signal' in blue color, which means the distance counter is broken.</p> <p>b. Cable (please contact Sanyipace to get detailed testing video): Use a multimeter to test the circuit between the video cable and the cable connector (the part that connects the cable to the camera). If the circuit fails, we will send you a cable to replace it. Gold circle 1 tested with number 1 Gold circle 2 tested with number 4 Gold circle 3 tested with number 2 Gold circle 4 tested with number 3</p> <p>c. Video Cable (please contact Sanyipace to get detailed testing video): Use a multimeter to test the circuit between the video cable and the coil connector. If the circuit fails, we will send you a video cable for replacement.</p> <p>d. Camera Probe: If you install the camera probe and the screen shows 'no signal' in blue color immediately, and the cables are good, means the camera probe is broken. Is there water ingress into the camera? If it still can't work, please contact Sanyipace and describe the problem to let us deal with it. Amazon After-sale: support@sanyipace.com Website After-sale: service@sanyipace.com</p>
<p>LED lights not working</p>	<p>a. Check whether the LED lights setting is turned on, by pressing the LED adjustment button on the panel to adjust the brightness;</p> <p>b. Tighten or loosen the camera probe slowly to check if it works;</p> <p>c. Contact Sanyipace</p>

10. Warranty

We provide a one-year product quality warranty from the date of purchase and provide free lifetime product technical support. For normal faults or quality problems within the warranty period, we provide free replacement or repair services. For damage caused by manual operation, we will charge the cost of product parts for repair. Our technical support team is at your service 24 hours a day. If you encounter any problems during use, please feel free to contact us.

----Contact Us----

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