

anysun 100FT / Distance Count / 512Hz

anysun Sewer Camera System User Manual

Model: 100FT / Distance Count / 512Hz

1. INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your anysun Sewer Camera System. This system is designed for inspecting pipelines, drains, and other inaccessible areas, offering clear visual feedback and advanced features for professional and DIY applications.

Key features of your system include a 9-inch LCD color screen, a 512Hz Sonde for precise location, a self-leveling camera head, and a distance counter. The camera is IP68 waterproof and equipped with 12 adjustable LED lights for optimal visibility. The durable 7mm cable and portable reel ensure ease of use and longevity.

2. SAFETY INFORMATION

- **Electrical Safety:** Ensure all connections are secure and dry before powering on. Do not operate the system with wet hands or in excessively damp environments unless specifically designed for it.
- **Battery Handling:** Use only the provided charger. Do not expose the battery to extreme temperatures or puncture it. Dispose of batteries according to local regulations.
- **Cable Management:** Avoid sharp bends in the cable (less than 90 degrees) to prevent damage. Always coil the cable properly after use.
- **Camera Head:** The camera head is waterproof (IP68), but ensure the lens is clean and free of debris before insertion to prevent damage and ensure clear imaging.
- **Personal Protective Equipment (PPE):** Wear appropriate PPE, such as gloves and eye protection, when working in potentially hazardous environments like sewers.
- **Environmental Considerations:** Do not immerse the monitor or control unit in water. Operate within specified temperature ranges.

3. PRODUCT COMPONENTS

Your anysun Sewer Camera System includes the following main components:

- **Control Box with 9-inch LCD Monitor:** Houses the display, control buttons, DVR, and battery.
- **Camera Head:** IP68 waterproof, self-leveling, with 512Hz Sonde and 12 adjustable LED lights.
- **Fiberglass Cable with Reel:** 100 feet (30 meters) of 7mm diameter cable with distance counter.
- **Battery Box:** 4500mAh rechargeable lithium battery.
- **Charger:** AC100-240V DC12.6V 1000mA.
- **32GB TF Card:** For video and image recording.
- **Skids/Guides:** For centering the camera in larger pipes.

ANYSUN SEWER CAMERA



ANYSUN⁺⁺ Brand

- ✓ Anysun Built-in 512Hz
- ✓ 9 Inch Color Screen
- ✓ The Diameter of the Coil is 7MM
- ✓ Distance Count / Self Leveling
- ✓ Video Outdoor

Others Brand

- ✗ Don't Have Built-in 512Hz
- ✗ 7 Inch Color Screen
- ✗ The Diameter of the Coil is 5MM
- ✗ Distance Count / Self Leveling
- ✗ Don't Have Video Outdoor

VS

Figure 3.1: Overview of the anysun Sewer Camera System components.

IP68 WATERPROOF CAMERA

WITH ADJUSTABLE LEDS



IP68 Waterproof

0.9 inch



1.42 inch



4.09 inch



12 Adjustable LED Light

Effective Focal Distance
3-50cm (1.2-19.7inch)

Figure 3.2: Detailed view of the IP68 waterproof camera head with 12 adjustable LED lights.

4500MAH LARGE-CAPACITY LITHIUM BATTERY



Figure 3.3: The 4500mAh lithium battery box with charge indicators.

4. SETUP

4.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect for any signs of damage during transit. Verify that all listed components are present.

4.2 Charging the Battery

1. Connect the charger to the battery box's charging port.
2. Plug the charger into a standard AC power outlet (100-240V).
3. The indicator lights on the battery box will show the charging status. A full charge typically takes 4-5 hours.
4. Disconnect the charger once the battery is fully charged. The system provides 8-10 hours of continuous working time on a full charge.

4.3 Assembling the System

1. Open the control box.
2. Connect the cable from the reel to the designated port on the control box. Ensure a secure connection.
3. Connect the camera head to the end of the cable. If inspecting larger pipes, attach the appropriate skid/guide to the camera head.
4. Insert the 32GB TF card into the designated slot on the control unit for recording.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press the 'ON/OFF' button on the control box to power on the system. The LCD monitor will display the live camera feed. Press and hold the 'ON/OFF' button to power off.

5.2 Monitor Functions

The 9-inch LCD monitor displays the live video feed. Use the control buttons to navigate menus, adjust settings, and control recording functions. The screen also displays the distance counter and battery status.

9 INCH IPS HD DISPLAY (WITH 32GB TF CARD)



Coil with 7mm Diameter with Distance Count

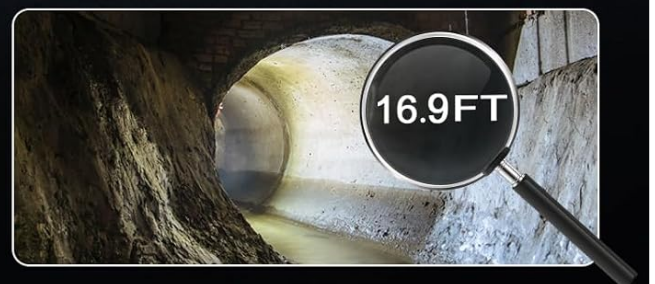


Figure 5.1: The 9-inch IPS HD display showing the live feed and distance count.

5.3 Camera Operation

1. **Inserting the Camera:** Carefully feed the camera head and cable into the pipe or inspection area. The flexible spring on the camera head (4.7-inch/120mm) assists in navigating bends.
2. **Adjusting LED Lights:** Use the dedicated button on the control box to adjust the brightness of the 12 LED lights on the camera head for optimal illumination in dark environments.
3. **Self-Leveling Function:** The camera automatically adjusts to maintain a level image on the screen, regardless of the camera's rotation within the pipe. This ensures a consistent and clear view for inspection.

SEWER CAMERA WITH SELF LEVELING FUNCTION



Figure 5.2: The self-leveling feature automatically corrects the image orientation.

4. **Distance Counting:** The on-screen display shows the exact depth of the inserted cable in real-time. You can switch between feet and meters as needed. This helps pinpoint the location of issues.
5. **512Hz Sonde:** The integrated 512Hz transmitter in the camera head allows for precise location tracking when paired with a compatible locator (sold separately). This is crucial for accurately identifying problem areas from above ground.

SEWER CAMERA WITH 512Hz SONDE



Figure 5.3: The 512Hz Sonde assists in precise location of the camera head.

6. **Recording Video and Taking Photos:** Use the dedicated buttons on the control box to start/stop video recording (MP4 format) or capture still images (JPEG format). All recordings are saved to the inserted 32GB TF card.
7. **Cable Management:** The portable cable reel is designed for easy deployment and retrieval of the cable. To release the cable, pull it gently from the reel. To coil, rotate the reel handle. Ensure the cable does not bend sharply (less than 90 degrees) to prevent damage.

Easy To Operation



How to release the Cable



How to Coiled the cable

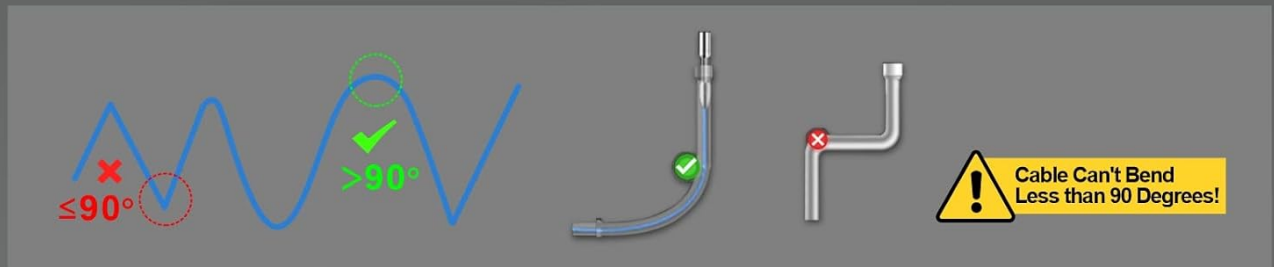
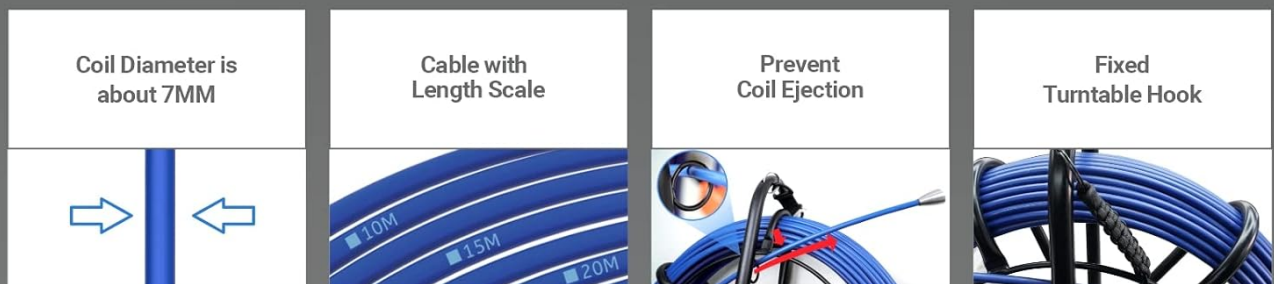


Figure 5.4: Proper technique for releasing and coiling the 7mm cable.

5.4 Applications

This system is suitable for inspecting pipes ranging from 1 to 8 inches (25-200mm) in diameter. Beyond standard sewer and drain inspections, it can be used in various fields such as the drilling industry, search and rescue operations, and archaeological investigations.

6. MAINTENANCE

- **Cleaning the Camera Head:** After each use, gently wipe the camera lens and housing with a soft, damp cloth to remove any debris or residue. Do not use abrasive cleaners.
- **Cleaning the Cable:** Wipe down the cable as it is reeled in to remove dirt and moisture. This prevents contaminants from entering the reel mechanism and prolongs cable life.
- **Battery Care:** Recharge the battery regularly, even if not in frequent use, to maintain its lifespan. Store the battery in a cool, dry place.
- **Storage:** Store the entire system in its original case in a dry, temperature-controlled environment, away from direct sunlight and extreme temperatures.

- **SD Card:** Periodically back up data from the SD card and format it to ensure optimal recording performance.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	System not powered on; Cable not connected; Camera damaged.	Ensure power is on and battery is charged. Check cable connections. Contact support if camera is damaged.
Battery not charging	Charger not connected; Faulty charger/battery.	Verify charger connection. Try a different outlet. Contact support for replacement if faulty.
Poor image quality	Dirty camera lens; Insufficient lighting; Water ingress.	Clean the camera lens. Adjust LED brightness. Ensure camera is properly sealed.
Distance counter inaccurate	Cable not fully extended; Sensor obstruction.	Ensure cable is smoothly deployed. Check for debris near the cable counter mechanism.
Cannot record video/photos	SD card full/missing; SD card error.	Insert a formatted SD card. Check available space. Reformat or replace SD card if necessary.

8. SPECIFICATIONS

Feature	Detail
Camera Diameter	0.9 inch (23mm)
Cable Length	100FT (30 meters)
Cable Diameter	7mm
Monitor Size	9 inch LCD Color Screen
Camera Sensor Type	CMOS
Video Capture Resolution	1080p
Water Resistance Level	IP68 (Camera Head)
Light Source	12 Adjustable LED Lights
Battery Capacity	4500mAh Lithium Battery
Battery Life	8-10 Hours (continuous working)
Charging Time	4-5 Hours
Storage Media	32GB TF Card (included)
Video Format	MP4

Feature	Detail
Image Format	JPEG
Special Features	512Hz Sonde, Self-Leveling, Distance Count
Operating Temperature	Refer to product packaging for specific range.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Your anysun Sewer Camera System is covered by a standard manufacturer's warranty. Please refer to the warranty card included in your product packaging for specific terms, conditions, and duration. Retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact anysun customer support. Contact details can typically be found on the product packaging, the official anysun website, or through your retailer. When contacting support, please have your product model number and purchase date available.

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