

## ZELCAN ISC4320

# ZELCAN 4.3-inch LCD Sewer Camera (66FT Cable) Instruction Manual

Model: ISC4320 | Brand: ZELCAN

## 1. INTRODUCTION

---

This manual provides detailed instructions for the safe and effective use of your ZELCAN 4.3-inch LCD Sewer Camera. This device is designed for professional pipe inspections, offering clear visuals and recording capabilities for various plumbing and drainage systems. Please read this manual thoroughly before operation and retain it for future reference.

## 2. SAFETY INFORMATION

---

- Always ensure the camera head and cable are clean before and after use to prevent contamination and damage.
- Do not attempt to disassemble or modify the device. Repairs should only be performed by qualified personnel.
- Keep the monitor unit away from excessive moisture, heat, and direct sunlight.
- Use only the provided charging cable and adapter to charge the battery.
- Exercise caution when inserting and retrieving the camera cable from pipes to avoid snagging or damaging the cable or camera head.
- Ensure the work area is well-lit and clear of obstructions.

## 3. PACKAGE CONTENTS

---

Verify that all items are present in your package:

- ZELCAN 4.3-inch LCD Monitor Unit
- 66 ft. Fiberglass Cable with Camera Head
- Cable Reel
- 32GB TF Card (pre-installed or separate)
- Charging Adapter and Cable
- Sunshade for Monitor
- Camera Skids/Spacers (various sizes)
- User Manual

## 4. PRODUCT OVERVIEW

The ZELCAN Sewer Camera system consists of a portable monitor unit, a flexible fiberglass cable, and a waterproof camera head. The monitor provides a clear view of the inspection area and features controls for recording and playback.



Figure 4.1: ZELCAN Sewer Camera main unit with 4.3-inch LCD screen, cable reel, and camera head.

### Camera Head Features:

- **IP68 Waterproof:** Designed for submerged conditions.
- **12 LED Lights:** Adjustable brightness for optimal illumination in dark environments.
- **Durable Construction:** Suitable for pipes from 1 to 7.9 inches wide.



Figure 4.2: Close-up of the IP68 waterproof camera head with 12 LED lights, submerged in water.

### Monitor Unit Features:

- **4.3-inch LCD Screen:** Provides a clear, true-color display.
- **DVR Recorder:** Supports video and audio recording, and photo capture.
- **Built-in Microphone and Speaker:** For recording sound during inspections.
- **5300mAh Battery:** Offers 8-10 hours of continuous operation.

## 5. SETUP

### 5.1 Charging the Battery

Before first use, fully charge the device. Connect the charging adapter to the monitor unit and plug it into a power outlet. The charging indicator will show the charging status. A full charge typically takes approximately 5

hours.

# RECHARGEABLE LITHIUM BATTERY



**5300** mAh  
Battery Capacity

**8-10** hr.  
Usage Time

Figure 5.1: The 5300mAh rechargeable lithium battery provides 8-10 hours of usage.

## 5.2 Inserting the TF Card

The device comes with a 32GB TF card for recording. Ensure it is properly inserted into the designated slot on the monitor unit before operation. If replacing, ensure the device is powered off before inserting or removing the card.

## 5.3 Attaching the Sunshade

For improved visibility in bright outdoor conditions, attach the provided sunshade to the monitor. Align the sunshade with the grooves on the monitor and slide it into place.

Video 5.1: ZELCAN 4.3 in. LCD Screen Sewer Camera - This video demonstrates the setup and basic features of the ZELCAN sewer camera, including attaching the sunshade and preparing for inspection.

## 5.4 Selecting Camera Skids/Spacers

Choose the appropriate skid or spacer for the diameter of the pipe you are inspecting. This helps center the camera and protects it from direct contact with pipe walls. Securely attach the chosen accessory to the camera

head.



Figure 5.2: Different camera skirts/spacers are available for various pipe diameters.

## 6. OPERATING INSTRUCTIONS

### 6.1 Powering On/Off

Press and hold the 'POWER' button on the monitor unit to turn the device on or off.

### 6.2 Adjusting LED Brightness

Use the 'LED+' and 'LED-' buttons to adjust the brightness of the 12 LED lights on the camera head. There are 5 brightness levels to suit different inspection environments.

### 6.3 Recording Video and Taking Photos

- **Video Recording:** Press the 'REC' button to start recording video. Press it again to stop. The recorded footage will be saved to the TF card.
- **Photo Capture:** While in live view or video recording mode, press the 'PHOTO' button to capture a still image.

- **Audio Recording:** The built-in microphone allows for audio recording during video inspections.

## 6.4 Playback

Enter playback mode using the 'MODE' button. Use the navigation buttons to browse through recorded videos and photos. Press 'OK' to play a selected file.

## 6.5 Performing an Inspection

1. Slowly feed the camera cable into the pipe.
2. Monitor the live feed on the 4.3-inch LCD screen.
3. Use the length markers on the cable to track the camera's depth within the pipe.
4. Adjust LED brightness as needed for clear visibility.
5. Record video or capture photos of areas of interest.
6. Carefully retract the cable after the inspection is complete.

# 66 FT. SEMI-RIGID CABLE WITH PORTABLE REEL

Convenient Length Markers Help You Quickly Pinpoint Problem Areas



All-Weather  
Durability



Corrosion  
Resistance



Waterproof  
Construction



High-Tensile  
Strength



PVC Coating  
Fiberglass Layer  
Red Copper Wires



**1** Unwind the cable as shown by the arrows



**2** Keep the cable inside the clip as indicated



**3** Rewind the cable as shown by the arrows

Figure 6.1: The 66 ft. semi-rigid cable features length markers for precise measurement during inspections.

## 7. MAINTENANCE

## 7.1 Cleaning

- After each use, clean the camera head and cable with a damp cloth to remove any debris or residue. Avoid harsh chemicals.
- Wipe the monitor unit with a soft, dry cloth. Do not use abrasive cleaners.

## 7.2 Storage

Store the ZELCAN Sewer Camera in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the cable is neatly wound on the reel to prevent kinks or damage.

## 7.3 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. If storing for an extended period, charge the battery to approximately 50% and recharge every few months.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen / Black screen	Loose cable connection; Camera malfunction; Low battery.	Check all cable connections, especially the 3.5mm jack. Ensure the battery is charged. If the problem persists, contact support.
LED lights not working	LED brightness set to minimum; Camera malfunction.	Press 'LED+' to increase brightness. If still not working, contact support.
Cannot record video/photos	TF card full or not inserted; TF card error.	Ensure TF card is inserted correctly. Check available space on the TF card. Format the TF card (refer to monitor menu for option).
Short battery life	Battery not fully charged; Aging battery.	Ensure the device is fully charged before use. Battery life naturally degrades over time.

## 9. SPECIFICATIONS



### SPECIFICATIONS

Display Screen Size: <b>4.3 in.</b>	Battery Usage Time: <b>8 to 10 hr.</b>
Cable Length: <b>66 ft.</b>	Charging Time: <b>5 hr.</b>
Cable Diameter: <b>0.2 in.</b>	Light Source: <b>12×5-Level LED Lights</b>
Battery Capacity: <b>5300 mAh</b>	Net Weight: <b>11.7 lb.</b>

 Note: The camera can only handle bends 90° and larger.

Figure 9.1: Key specifications of the ZELCAN Sewer Camera.

Feature	Specification
Display Screen Size	4.3 Inches
Cable Length	66 ft.
Cable Diameter	0.2 in.
Battery Capacity	5300mAh
Battery Average Life	8-10 Hours
Charging Time	5 Hours
Water Resistance Level	IP68 Waterproof
Light Source	12 x 5-Level LED Lights
Video Capture Resolution	640x480

Feature	Specification
Effective Still Resolution	1000 TVL
Media Type	Micro SD Card (32GB included)
File Format	JPEG, MP4, AVI
Item Weight	10.1 Pounds
Model Number	ISC4320

## 10. WARRANTY AND SUPPORT

ZELCAN products are designed for durability and performance. For warranty information, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official ZELCAN website. Please have your model number (ISC4320) and purchase date ready when contacting support.