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## Laserliner 082.262A

# Laserliner 082.262A Inspection Camera

## USER MANUAL

### 1. Introduction

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This manual provides essential information for the safe and effective use of your Laserliner 082.262A Inspection Camera. Please read these instructions carefully before operating the device and keep them for future reference. The Laserliner 082.262A is a robust inspection camera designed for visual inspection of inaccessible areas, featuring a 5mm diameter and 1m length probe.

### 2. Safety Information

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Always observe the following safety precautions to prevent injury and damage to the device:

- Do not immerse the main unit in water. The camera probe is water-resistant, but the display unit is not.
- Do not use the device in explosive atmospheres or near flammable gases or liquids.
- Keep the device out of reach of children.
- Do not attempt to modify or disassemble the device. Refer all servicing to qualified personnel.
- Ensure batteries are inserted with correct polarity. Remove batteries if the device will not be used for an extended period.
- Avoid direct eye exposure to the camera's LED lights.

### 3. Package Contents

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Verify that all items are present upon unpacking:

- Laserliner 082.262A Inspection Camera (main unit with display)
- Flexible camera probe (5mm diameter, 1m length)
- Batteries (Alkaline)
- User Manual

### 4. Product Overview

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Familiarize yourself with the components of your inspection camera.



Figure 1: Laserliner 082.262A Inspection Camera. The image shows the handheld display unit connected to the flexible camera probe, ready for use.

The device consists of a main display unit with control buttons and a flexible probe with an integrated camera and LED lighting at its tip. The probe is designed to navigate tight spaces and transmit live video to the display.

## 5. Setup

Follow these steps to prepare your inspection camera for first use:

1. **Battery Installation:** Open the battery compartment on the rear of the main unit. Insert the provided alkaline batteries, ensuring correct polarity (+/-). Close the compartment securely.
2. **Probe Connection:** Connect the flexible camera probe to the designated port on the main unit. Ensure a firm connection.

# Image rotation 180°

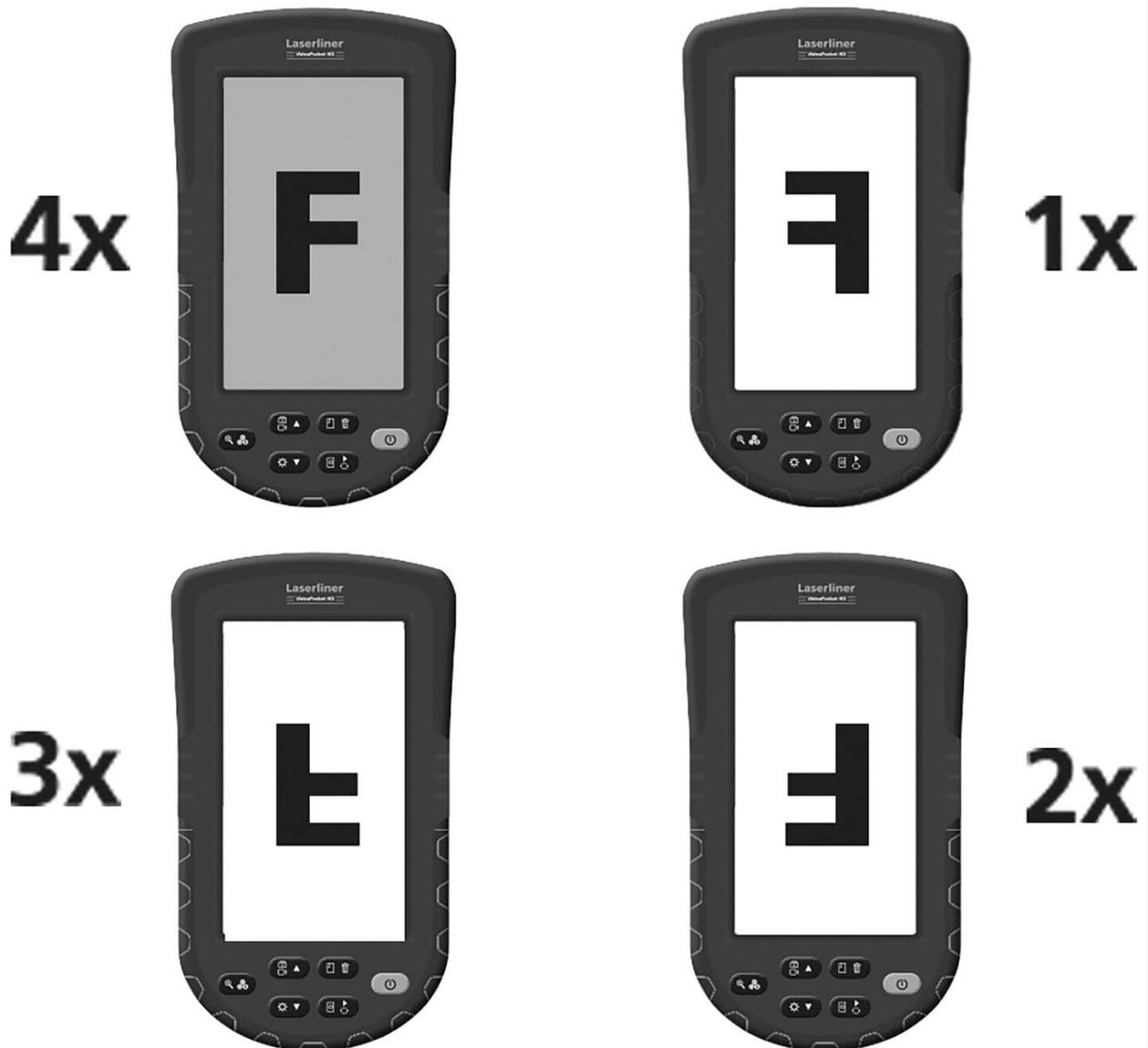


Figure 2: Rear view of the inspection camera. This image illustrates the back of the device, including the product label and the area where the flexible probe connects.

## 6. Operating Instructions

This section details how to operate your Laserliner 082.262A Inspection Camera.

### 6.1 Powering On/Off

- To power on: Press and hold the power button (usually orange) until the display illuminates.
- To power off: Press and hold the power button again until the display turns off.

### 6.2 Basic Controls

The main unit features several buttons for controlling the camera and display functions:

- **LED Brightness:** Adjust the intensity of the camera's LED lights for optimal visibility in dark environments.
- **Image Rotation:** Rotate the image on the display for correct orientation, especially when the probe is twisted.



Figure 3: Image Rotation. This diagram illustrates how the image can be rotated on the display, showing 0, 90, 180, and 270-degree orientations.

### 6.3 Optimal Focus Distance

The camera has a fixed focus. For clear images, position the camera tip within the optimal focus range, typically a few centimeters from the object.

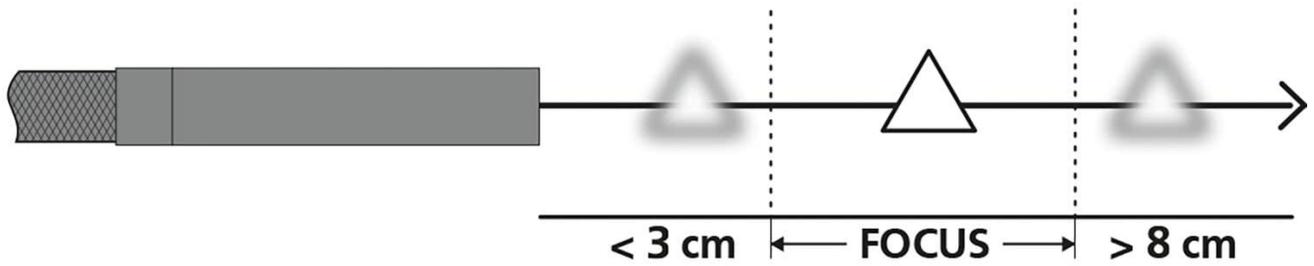


Figure 4: Focus Range. This diagram shows the recommended distance for clear imaging, indicating that objects too close (less than 3 cm) or too far (greater than 8 cm) may appear blurry, with an optimal focus zone in between.

#### 6.4 Practical Applications

The inspection camera is versatile for various tasks:

- **Appliance Inspection:** Examine internal components of dishwashers or other household appliances.



Figure 5: Dishwasher Inspection. A technician uses the inspection camera to view the internal workings of a dishwasher, checking for blockages or damage.

- **Automotive Diagnostics:** Inspect engine compartments, cylinders, or other vehicle parts.



Figure 6: Engine Inspection. The camera probe is inserted into an engine bay, allowing for visual inspection of internal components without extensive disassembly.

- **Plumbing and Drainage:** Check pipes, drains, and sewage systems for clogs or damage.



Figure 7: Drain Inspection. The camera is used to inspect a floor drain, providing a clear view of the pipe's interior.

- **Cavity and Wall Inspections:** Explore behind walls, ceilings, or other enclosed spaces.



Figure 8: Ceiling Cavity Inspection. The camera probe is inserted into a ceiling opening to inspect the hidden space above.

- **Sink and Shower Drains:** Access and view blockages or issues in bathroom plumbing.



Figure 9: Sink Drain Inspection. The camera is positioned to inspect the U-bend of a sink drain, revealing any obstructions.



Figure 10: Shower Drain Inspection. The camera probe is inserted into a shower drain to check for blockages or pipe conditions.

- **Gutter and Downspout Inspection:** Identify debris or damage in exterior drainage systems.



Figure 11: Gutter Inspection. The camera is used to inspect a gutter and downspout, showing the presence of leaves and debris.

## 7. Maintenance

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Proper maintenance ensures the longevity and performance of your device.

- **Cleaning:** Wipe the main unit with a soft, dry cloth. The camera probe can be cleaned with a damp cloth and mild detergent. Ensure no liquid enters the main unit.
- **Battery Care:** Replace batteries when the low battery indicator appears. Remove batteries if the device is not used for extended periods to prevent leakage.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the probe loosely to avoid kinking.

## 8. Troubleshooting

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If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on	Low or dead batteries; Incorrect battery installation	Replace batteries; Check battery polarity
No image on display	Probe not connected properly; Damaged probe	Ensure probe is securely connected; Contact support if probe is damaged
Image is blurry	Object too close or too far from camera; Dirty camera lens	Adjust distance to object (refer to focus diagram); Clean camera lens gently
LED lights not working	LED brightness set to minimum; Faulty LEDs	Increase LED brightness using controls; Contact support

If the problem persists after trying these solutions, please contact Laserliner customer support.

## 9. Specifications

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Detailed technical specifications for the Laserliner 082.262A Inspection Camera:

Feature	Specification
Manufacturer	Laserliner
Product Dimensions (L x W x H)	12 x 19 x 14 cm
Item Model Number	082.262A
Material	Plastic
Shape	Square
Number of Items in Package	1
Measurement System	Indicator
Batteries Included	Yes
Batteries Required	Yes
Battery Composition	Alkaline
Item Weight	370 Grams
Country of Origin	China
ASIN	B0BYKBV8ZC

## 10. Warranty and Support

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For warranty information, please refer to the documentation provided with your purchase or visit the official Laserliner website. For technical support or service inquiries, contact Laserliner customer service directly.

Spare parts availability: Information unavailable.

## 11. Disposal Information

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Electronic devices and batteries must not be disposed of with household waste. Please dispose of them according to local regulations at designated collection points for electronic waste and batteries. Proper disposal helps protect the environment and human health.