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› Zealtron Dual Lens Endoscope Camera User Manual - Model Pistolengriff-Design

## zealtron Pistolengriff-Design

# Zealtron Dual Lens Endoscope Camera User Manual

Model: Pistolengriff-Design

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## 1. INTRODUCTION

This manual provides instructions for the operation and maintenance of your Zealtron Dual Lens Endoscope Camera. This device is designed for visual inspection in hard-to-reach areas, featuring a 5.0-inch IPS screen, 1080P HD resolution, and a 7.9mm IP67 waterproof dual lens probe with a 16.5ft semi-rigid cable.



*Image 1.1: The Zealtron Dual Lens Endoscope Camera, showing the handheld display unit and the coiled probe cable.*

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Endoscope Display Unit
- Dual Lens Probe Cable (16.5ft / 5m)
- USB Charging Cable
- User Manual
- Accessories: Hook, Magnet
- MicroSD Card (pre-installed or included separately, up to 32GB support)

## 3. SETUP

### 3.1 Charging the Device

Before first use, fully charge the endoscope's built-in rechargeable battery. Connect the provided USB charging cable to the device's USB port and to a standard USB power adapter (not included). The charging indicator will show the charging status. A full charge provides over 4 hours of continuous operation.

## **Built-in** Rechargeable Battery

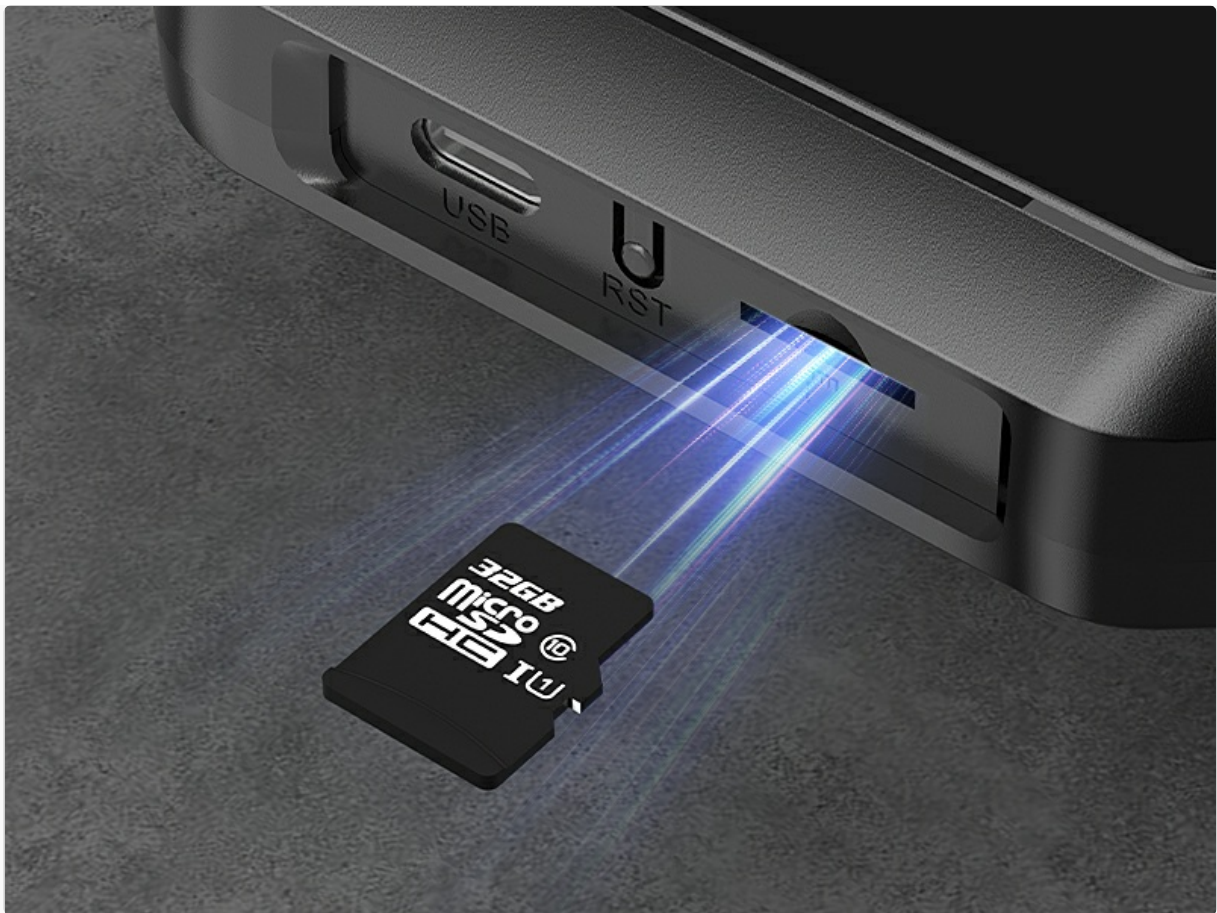
Supports over 4 hours of active use on a full charge



*Image 3.1: The endoscope features a built-in rechargeable battery, providing extended operational time.*

### **3.2 Inserting the MicroSD Card**

Locate the MicroSD card slot on the side of the display unit. Insert the MicroSD card (up to 32GB) into the slot until it clicks into place. This card is necessary for saving photos and videos.



*Image 3.2: The device supports MicroSD cards for storing captured media.*

### **3.3 Attaching the Probe Cable**

Connect the USB end of the probe cable to the USB port on the display unit. Ensure a secure connection. The design allows for hot-swapping or replacing components if needed.



*Image 3.3: The probe cable connects to the main unit via a USB interface.*

## **4. OPERATING INSTRUCTIONS**

### **4.1 Powering On/Off**

Press and hold the power button (usually marked with a power symbol) to turn the device on or off. The device will display the Zealtron logo upon startup.

### **4.2 Screen Features**

The endoscope features a 5-inch IPS display with 1920x1080P HD resolution. This screen provides a wide 170° viewing angle and high color accuracy for clear image viewing during inspections.



*Image 4.1: The 5-inch IPS screen offers high-definition viewing.*

### **4.3 Dual Camera System**

The probe integrates two 1080P cameras: a forward-facing camera and a side-facing camera. The forward camera has 8 adjustable LEDs, and the side camera has a dedicated LED. Use the camera switch button on the display unit to toggle between the front and side views.

# Dual-Lens 1080P

Two camera angles, two points of view



Front Camera A



Side Camera B



Image 4.2: The dual camera system provides both front and side perspectives.



Image 4.3: The probe features a waterproof dual lens design with integrated LED lighting.

#### 4.4 Adjusting LED Lights

The brightness of the LED lights can be adjusted using the designated buttons on the display unit to suit different inspection environments.

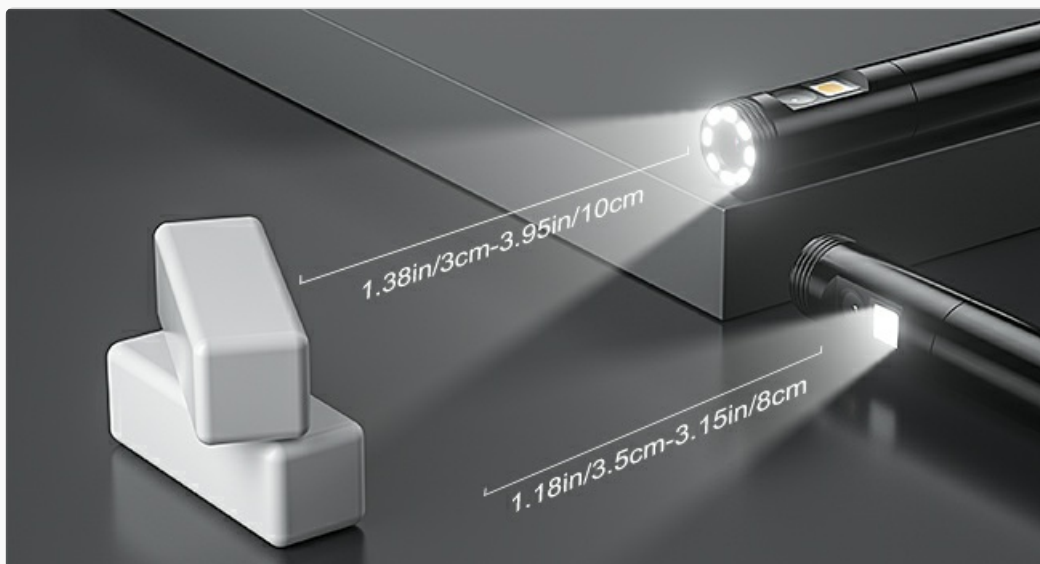


Image 4.4: Adjustable LED lights provide optimal illumination for various inspection distances.

#### 4.5 Cable Handling

The 16.5ft (5m) semi-rigid probe cable can be bent and holds its shape, allowing for stable positioning in tight or curved areas. Guide the cable carefully to avoid damage.

#### 4.6 Capturing Photos and Videos

Press the photo button to capture still images. Press the video button to start and stop video recording. All

captured media is saved directly to the inserted MicroSD card.

## Capture Photos and Videos

Stored on a TF card,  
instantly share them with your colleagues and clients!

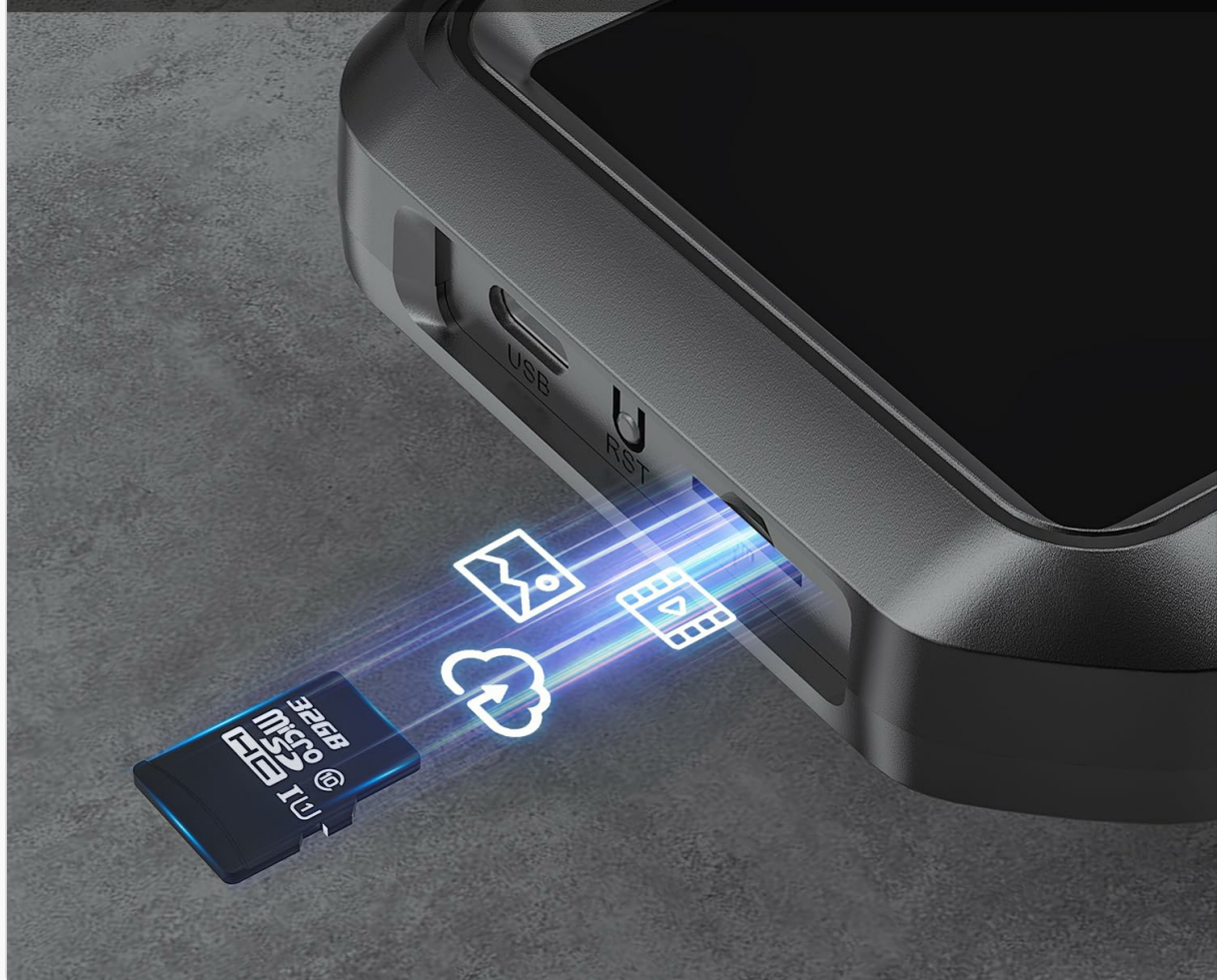


Image 4.5: The device allows for direct capture and storage of photos and videos to a MicroSD card.

### 4.7 Using Accessories

The endoscope includes threaded alloy accessories: a hook and a magnet. These can be attached to the probe tip for retrieving small objects or for specific inspection tasks.

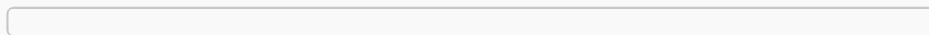


Image 4.6: The probe tip can accommodate accessories like a hook or magnet.

## 5. MAINTENANCE

### 5.1 Cleaning

After each use, gently wipe the probe lens and cable with a soft, damp cloth. For stubborn dirt, a small amount of mild soap can be used, followed by wiping with a clean, damp cloth. Ensure the probe is dry before storage. Do not use abrasive cleaners or solvents.

### 5.2 Storage

Store the endoscope in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the probe cable loosely to prevent kinks or damage. Keep the device and accessories in their original

packaging or a protective case.

### 5.3 Battery Care

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

## 6. TROUBLESHOOTING

- **Device does not power on:** Ensure the battery is charged. Connect the device to a power source and try again.
- **No image on screen:** Check if the probe cable is securely connected to the display unit. Ensure the device is powered on.
- **Cannot save photos/videos:** Verify that a MicroSD card is inserted correctly and has sufficient free space. The card may need to be formatted (refer to device settings).
- **Image is blurry or dark:** Adjust the LED light brightness. Clean the camera lens on the probe tip. Ensure the object is within the optimal focal range.
- **Probe cable is not holding shape:** The semi-rigid cable is designed to hold shape. If it consistently fails, check for any external damage or kinks.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	Pistolengriff-Design
Screen Size	5.0 inches IPS
Video Capture Resolution	1080p
Lens Diameter	7.9mm
Waterproof Rating	IP67 (probe only)
Cable Length	16.5ft (5m)
Cable Type	Semi-Rigid
LED Lights	8 (front camera) + 1 (side camera)
Battery Life	Over 4 hours (continuous use)
Storage Media	Micro SD Card (up to 32GB)
Package Dimensions	10.87 x 6.26 x 2.91 inches
Item Weight	1.39 Pounds
Manufacturer	Zealtron

## 8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official Zealtron website. Keep your purchase receipt for warranty claims.

