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RIDGID 49628

RIDGID 49628 Micro CA-330 Inspection Camera User Manual

MODEL: 49628

Introduction

The RIDGID Micro CA-330 Inspection Camera is a portable device designed for inspecting hard-to-reach areas. It features Wi-Fi and Bluetooth connectivity for instant image and video sharing, and a live second display on mobile devices. The camera records still images and videos to internal memory or an included 4GB SD card. Its ergonomic pistol grip design, large 3.5-inch display, and durable aluminum camera head with four bright LEDs facilitate easy detection and diagnosis. Enhanced features include image rotation and digital zoom. The unit is powered by a 3.7-volt Lithium-Ion rechargeable battery or the included AC adapter.

Package Contents

Verify that all items listed below are present in your package:

- Micro CA-330 Handheld Inspection Camera with 17 mm Imager
- Rechargeable Lithium-Ion Battery
- Battery Charger
- USB Cable
- Hook Attachment
- Magnet Attachment
- Mirror Attachment
- RCA Cable
- AC Adapter with Microphone
- 4 GB SD Card



Figure 1: All components included with the RIDGID Micro CA-330 Inspection Camera, including the main unit, various cables, attachments, battery, and SD card.

Product Overview

The Micro CA-330 features a robust design for professional use. The main unit includes a 3.5-inch color LCD screen, intuitive controls, and a comfortable pistol grip. The flexible camera cable is connected to a durable aluminum camera head equipped with four adjustable LEDs for optimal illumination in dark environments.



Figure 2: The RIDGID Micro CA-330 handheld unit connected to its flexible camera cable and storage reel, ready for inspection tasks.

Setup

1. **Charge the Battery:** Insert the rechargeable Lithium-Ion battery into the camera unit. Connect the battery charger to the camera and a power outlet. Allow the battery to fully charge before first use.
2. **Insert SD Card:** Locate the SD card slot, typically on the side or bottom of the unit. Insert the provided 4GB SD card until it clicks into place.
3. **Attach Imager:** Connect the 17mm imager cable to the designated port on the main camera unit. Ensure a secure connection.
4. **Power On:** Press and hold the power button until the display illuminates.
5. **Connect to Mobile Device (Optional):**
 - Download the free RIDGID VIEW app from your device's app store (iOS or Android).
 - Enable Wi-Fi or Bluetooth on your mobile device.
 - On the Micro CA-330, activate Wi-Fi or Bluetooth mode (refer to on-screen menu).

- Follow the app's instructions to pair with your Micro CA-330 for a second live display and file sharing.

Operating Instructions

1. Basic Inspection:

- Guide the imager head into the area to be inspected.
- Adjust the LED brightness using the controls on the unit to achieve optimal visibility.
- Observe the live feed on the 3.5-inch LCD screen or a connected mobile device.

2. Capturing Images and Videos:

- To capture a still image (JPEG 640x480), press the dedicated photo button.
- To record a video (MP4 640x480), press the dedicated video record button to start, and press again to stop.
- Files are saved to the internal memory or the SD card.

3. Image Manipulation:

- Use the navigation buttons to rotate the image on the screen for better orientation.
- Utilize the digital zoom function to magnify specific areas of interest.

4. Using Attachments:

- The hook attachment can be used to retrieve small objects.
- The magnet attachment helps in retrieving metallic items.
- The mirror attachment provides an angled view for inspecting corners or obscured areas.
- Attach these accessories securely to the imager head as needed.

5. Viewing and Transferring Files:

- Access the gallery or playback mode on the camera to review captured media.
- Connect the camera to a computer via the USB cable to transfer files.
- Alternatively, use the RIDGID VIEW app on a connected mobile device to view and share files instantly.



Figure 3: Demonstrates the RIDGID Micro CA-330 in use for ceiling inspection, with the live video feed simultaneously displayed on a connected tablet for collaborative viewing.



Figure 4: The RIDGID Micro CA-330 connected to a laptop, illustrating its capability for data transfer and potentially a larger display for inspection footage.

Maintenance

- **Cleaning:** Wipe the camera unit and imager head with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the imager head is clean for clear visibility.
- **Battery Care:** Store the battery in a cool, dry place. Recharge the battery regularly, even if not in use, to maintain its lifespan. Avoid fully discharging the battery for extended periods.
- **Storage:** Store the Micro CA-330 and its accessories in a protective case when not in use to prevent damage.

Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device does not power on.	Battery is discharged or not properly inserted.	Ensure battery is fully charged and correctly inserted. Connect to AC adapter.
No image on screen.	Imager cable is disconnected or damaged.	Check the imager cable connection. If damaged, contact support.
Poor image quality.	Imager lens is dirty or LEDs are not adjusted.	Clean the imager lens. Adjust LED brightness.
Cannot connect to mobile device.	Wi-Fi/Bluetooth not enabled on camera or mobile, or app not running.	Ensure Wi-Fi/Bluetooth is active on both devices. Restart the RIDGID VIEW app.
Cannot save images/videos.	SD card is full, not inserted, or corrupted.	Check SD card insertion. Delete old files or replace SD card. Format SD card if necessary (data will be lost).

Specifications

Feature	Detail
Model Number	49628
Dimensions (L x W x H)	44 x 33 x 12 cm
Weight	2.5 Kilograms
Display	3.5-inch Color LCD
Connectivity	Wi-Fi, Bluetooth
Image Resolution	JPEG 640 x 480
Video Resolution	MP4 640 x 480
Internal Memory	235 MB
External Memory	4 GB SD Card (included)
Power Source	3.7V Lithium-Ion Battery, AC Adapter
Camera Head Diameter	17 mm
Illumination	4 Adjustable LEDs
Color	Red/Black

Warranty and Support

RIDGID provides a lifetime warranty against defects in materials or workmanship for the duration of the tool's life. For warranty claims, technical support, or service inquiries, please refer to the official RIDGID website or contact their customer service department. The RIDGID VIEW app is available for download on iOS and Android devices for additional support and functionality.

For more information, visit the official [RIDGID website](#).

