

MoKo B088B8CF9H

MoKo Industrial Endoscope Borescope Inspection Camera User Manual

Model: B088B8CF9H | Brand: MoKo

1. INTRODUCTION

This manual provides detailed instructions for the proper use, setup, maintenance, and troubleshooting of your MoKo Industrial Endoscope Borescope Inspection Camera. This multi-function inspection system features a 4.3-inch QVCA color LCD screen and powerful recording capabilities. It is designed for a wide range of applications, including vehicle repair, home inspections, electrical wiring checks, sewer drain pipe dredging, and HVAC repair.



Figure 1.1: MoKo Industrial Endoscope Borescope Inspection Camera

2. PRODUCT FEATURES

The MoKo Industrial Endoscope Borescope Inspection Camera is equipped with several key features to enhance its functionality and ease of use:

- **10-Meter Semi-Rigid Cable with LED:** The 8mm diameter metal gooseneck cable maintains its shape for precise positioning in various environments. It features 6 adjustable LED lights to illuminate dark inspection areas, making it suitable for checking car, boat, and aircraft engines, blocked drains, mechanical devices, and HVAC systems.
- **Built-in 4.3-inch LCD Screen and Grip:** The integrated 4.3-inch LCD color screen allows for direct viewing of recorded content, eliminating the need for external devices or app installations. An ergonomic handle grip ensures comfortable and convenient operation. The detachable design facilitates easy transport and storage.

- **IP67 Waterproof HD Camera:** The camera supports 1080P resolution and is rated IP67 waterproof, enabling operation in wet or damp environments, including underwater inspections, and within gaps and holes. This provides clear images and accurate color reproduction.
- **High Capacity 1700mAh Battery:** A built-in rechargeable 1700mAh Lithium battery provides approximately 3 hours of continuous operation on a full charge. The device supports TF cards up to 64GB for storage (TF card not included).
- **Extended Focal Range:** The camera offers an enlarged focal distance from 1.6 inches to 198 inches, ensuring a smooth refresh rate and delivering clear images with outstanding color reproduction across various distances.

Built-in LCD Screen, App-Free Operation

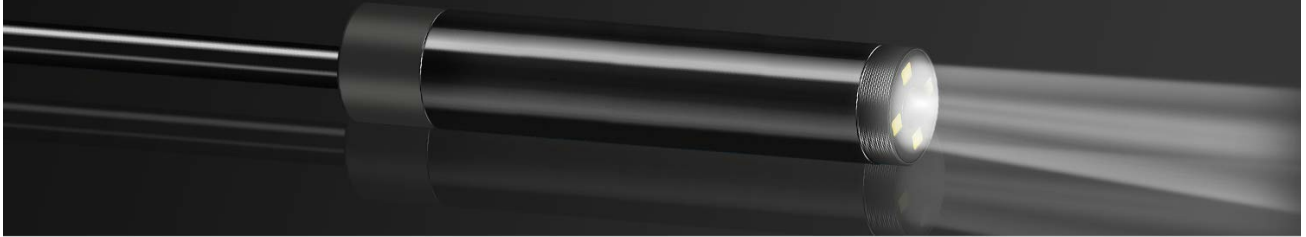


Figure 2.1: Endoscope Control Panel and Ports



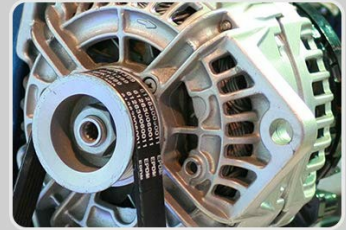
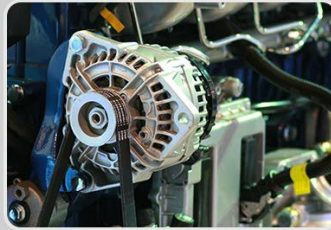
6 LED Lights

Light up the inspection area



HD CAMERA

Focal Length 1.6-198 inch



IP67 WATERPROOF

Figure 2.2: HD Camera with LED Lights and Waterproof Capability

USB Rechargeable Battery



1700mAh Capacity



3H Working Time



Figure 2.3: USB Rechargeable Battery

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- MoKo Industrial Endoscope Borescope Inspection Camera Unit
- Semi-Rigid Probe Cable with Camera and LED Lights
- USB Charging Cable
- User Manual
- Bonus Accessories: Camera protective cover, Mirror, Magnet, Hook

Bonus Accessories

All these 4 useful tools can be firmly screwed on the camera.



Camera protective cover



Mirror



Magnet



Hook

Figure 3.1: Bonus Accessories

4. SETUP

Follow these steps to set up your endoscope camera:

1. **Charge the Battery:** Before first use, fully charge the built-in 1700mAh Lithium battery. Connect the display unit to the handle, then use the provided USB cable to connect the device to a 5V 1A power adapter (not included). The charging indicator will show the charging status.
2. **Insert TF Card (Optional):** If you wish to save photos or videos, insert a TF (microSD) card (Class 10 or higher, FAT32 format, up to 64GB) into the MicroTF card slot on the side of the display unit. Ensure the card is inserted correctly.
3. **Attach Accessories (Optional):** For specific inspection needs, you can screw on the camera protective cover, mirror, magnet, or hook onto the camera head.

5. OPERATING INSTRUCTIONS

Learn how to operate your endoscope camera for effective inspections:

1. **Power On/Off:** Press and hold the Power/Setting button (usually located on the right side of the display unit) to turn the device on or off. The LCD screen will illuminate.
2. **Adjust LED Lights:** Use the UP/Light adjustment button to increase the brightness of the LED lights on the camera probe. Use the DOWN button to decrease brightness. Adjust as needed for optimal visibility in dark areas.
3. **Capture Photos:** While viewing the live feed, press the Photo/Video Confirm (OK) button to take a still photograph. The image will be saved to the inserted TF card.
4. **Record Videos:** To start recording a video, press and hold the Photo/Video Confirm (OK) button. Press and hold it again to stop recording. Videos will be saved to the TF card.
5. **Browse Files:** Press the Return/File Browse button to enter the file browsing mode. Use the UP and DOWN buttons to navigate through your saved photos and videos. Press the OK button to view a selected file. Press the Return/File Browse button again to exit file browsing and return to live view.
6. **Perform Inspection:** Carefully insert the semi-rigid probe into the area you wish to inspect. Use the flexible nature of the cable to maneuver the camera. Observe the live feed on the LCD screen.



Figure 5.1: Endoscope in Use for Drain Inspection

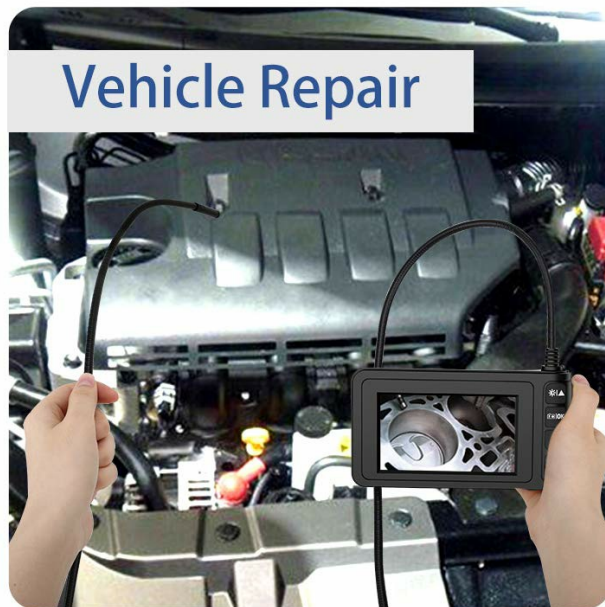


Figure 5.2: Common Application Scenarios

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your endoscope camera:

- **Cleaning:** After each use, especially in dirty or wet environments, gently wipe the camera probe and cable with a soft, damp cloth. For the display unit, use a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the endoscope in a cool, dry place, away from direct sunlight and extreme temperatures. Coil the cable loosely to prevent kinks or damage.
- **Battery Care:** To maintain battery health, avoid fully discharging the battery frequently. If storing for an extended period, charge the battery to about 50% every few months.
- **Camera Lens:** Ensure the camera lens is clean and free of debris for clear images. If necessary, use a lens cleaning cloth.

7. TROUBLESHOOTING

If you encounter issues with your MoKo Industrial Endoscope, refer to the following common problems and solutions:

- **Device Does Not Power On:**
 - Ensure the battery is sufficiently charged. Connect the device to a power source and allow it to charge for at least 30 minutes before attempting to power on again.
 - If the device is unresponsive, try pressing the reset button (if available, often a small pinhole) with a thin object.
- **Poor Image Quality / Blurry Image:**
 - Check if the camera lens is clean. Wipe it gently with a soft, lint-free cloth.
 - Adjust the LED light brightness using the UP/DOWN buttons to improve visibility in dark areas.
 - Ensure the object being viewed is within the camera's focal range (1.6 to 198 inches). Move the camera closer or further away as needed.
 - In extremely dark or reflective environments, image quality may be affected.
- **Cannot Save Photos/Videos:**
 - Verify that a TF card is inserted correctly into the slot.
 - Ensure the TF card is formatted to FAT32 and is Class 10 or higher.
 - Check if the TF card has sufficient free space. Delete unnecessary files or replace the card if full.
- **Cable is Too Flexible / Hard to Maneuver:**
 - While the cable is semi-rigid, for very long or complex paths, it may require additional support or guidance. Consider using a guide wire or a stiffer conduit if available for specific applications.






8. SPECIFICATIONS

Feature	Specification
Product Dimensions	7.87 x 6.02 x 2.48 inches; 1.17 Pounds
Batteries	1 Lithium Ion battery required (included)
Date First Available	May 8, 2020
Manufacturer	MoKo
ASIN	B088B8CF9H
Macro Focus Range	1.6-198 inches
Shooting Modes	Underwater
Exposure Control Type	Automatic
Color	Black
Video Capture Resolution	1080p

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact MoKo customer service through their official channels. Refer to the product packaging or the MoKo brand store on Amazon for contact details.

Related Documents - B088B8CF9H

 <p>Model: H3</p>	<p>MOKO H3 Bluetooth Beacon: Datasheet and Technical Specifications</p> <p>Detailed datasheet for the MOKO H3 Bluetooth Beacon, featuring a 3-axis accelerometer, iBeacon/Eddystone compatibility, long battery life, and configurable parameters for IoT applications. Includes physical characteristics, FCC statement, and technical support.</p>
 <p>MK17 Bluetooth Module</p>	<p>MK17 Bluetooth Module Datasheet</p> <p>Datasheet for the MOKO SMART MK17 Bluetooth Module, detailing its features, specifications, hardware design, mechanical dimensions, mounting suggestions, and cautions.</p>
 <p>MK19 Bluetooth Module</p>	<p>MK19 Bluetooth Module Datasheet</p> <p>Datasheet for the MOKO SMART MK19 Bluetooth Module, detailing its features, specifications, hardware design, and usage guidelines. This module is based on the Nordic nRF54L15 SoC and supports Bluetooth 6.0, 802.15.4, and proprietary 2.4 GHz protocols.</p>
 <p>UT1 Ultra-thin Paper Tag</p> <p>Product Specification UT1 Ultra-thin Paper Tag</p>	<p>UT1 Ultra-thin Paper Tag Product Specification</p> <p>This document provides the product specification for the UT1/UT1P Ultra-thin Paper Tag, including general specifications, battery consumption, mechanical drawings, basic instructions for powering on/off, and advertising data configuration.</p>
 <p>Product Specification L03 Anchor Pro</p>	<p>MOKO L03 Anchor Pro Bluetooth Beacon Product Specification</p> <p>Comprehensive product specification for the MOKO L03 Anchor Pro Bluetooth beacon, detailing hardware, installation, operation, and package information for MOKO's IoT location tracking devices.</p>



MK13 Bluetooth Module

Version 1.0

Version 1.0

MOKO TECHNOLOGY LTD.
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[MK13 Bluetooth Module Datasheet - MOKO SMART](#)

Detailed datasheet for the MOKO SMART MK13 Bluetooth Module, covering features, specifications, hardware design, applications, and compliance for IoT and embedded systems.