

[Manuals.plus](#) /

› [Jeseral](#) /

› JESERAL 360° Articulating Borescope Camera User Manual

## Jeseral JS460DT

# JESERAL 360° Articulating Borescope Camera User Manual

Model: JS460DT

## 1. PRODUCT OVERVIEW

The JESERAL 360° Articulating Borescope Camera is a professional inspection tool designed for detailed visual examination in confined or hard-to-reach spaces. It features a high-definition display, a flexible articulating probe, and intuitive controls, making it suitable for various applications including automotive, industrial, and home inspections.



Figure 1.1: JESERAL 360° Articulating Borescope Camera

## 2. KEY FEATURES

- **4-Way 360° Articulating Probe:** Professional 4-way 360-degree all-view steering inspection camera allows navigation through tight spaces with crystal-clear visibility and no dead spots. The probe can be locked at any desired angle for detailed inspection.

# Four-Way Articulating Borescope

All-in-one Endoscope that can look around corners



Figure 2.1: Four-Way 360° Articulating Borescope Probe

- **6.2mm Ultra Tiny Camera:** The IP67 waterproof ultra-slim lens provides easier access to difficult-to-reach areas. Equipped with 6 lights and 4 adjustable brightness levels for optimal illumination in dark environments.
- **High-Temperature Protection:** Unique high-temperature protection triggers a buzzer alarm when the lens temperature exceeds 85°C to alert the user.
- **Easy Operation:** Advanced 360-degree 4-directional steering technology allows the lens to rotate 360 degrees. No phone data, WiFi, or app is required.
- **Crystal-Clear 5" IPS Screen:** Upgraded large 5-inch IPS screen delivers 1080P HD images and videos with sharp, true colors.

## 5"IPS Ultra-Wide Screen

The 5inch display offers vivid and bright images, for clearer and more detailed inspection



Figure 2.2: 5-inch IPS Ultra-Wide Screen

- **3X Zoom and 180° Image Rotation:** Images can be zoomed by 1.0x, 2.0x, and 3.0x for detailed viewing. The 180° image rotation function enhances convenience during operation.

# 3X Zoom-In Enhances Viewing Angle and Image Rotate 180° Function

Enhance your perspective with 3x zoom capability offers precise and detailed close-up views



Figure 2.3: Zoom and Image Rotation Functionality

- **Built-in Storage:** Capture and record in JPG and AVI formats with the built-in 32GB MicroSD card.
- **Ergonomic Design:** The ergonomic handle and joystick provide precise and responsive control, maximizing work efficiency.

# Rear Button Design for Easy Recording

The borescope camera's capture raised button is conveniently positioned behind the screen, allowing for easy photo and video recording with just a touch of your index finger, streamlining your inspection tasks for a seamless experience.



Figure 2.4: Rear Button Design for Easy Recording

## 3. PACKAGE CONTENTS

Upon opening your JESERAL 360° Articulating Borescope Camera package, please verify that all the following items are included:

- JS460DT Borescope Unit
- Charging Cable
- Carrying Case
- User Manual (this document)
- Cleaning Wipe

## PACKAGE LIST

- JS460DT
- Charging Cable
- Carrying Case
- User Manual
- Cleaning Wipe



Figure 3.1: Package Contents

## 4. SETUP

1. **Charge the Device:** Before first use, fully charge the borescope using the provided charging cable. Connect the cable to the device's charging port and a suitable USB power source. The charging indicator will show the status.
2. **Attach the Screen:** Securely attach the 5-inch IPS screen to the main handle unit. Ensure the connection is firm to prevent accidental detachment during use.
3. **Connect the Probe:** Insert the 6.2mm flexible probe cable into the designated port on the handle unit. Ensure it is fully seated to establish a stable connection for video signal transmission.
4. **Insert MicroSD Card:** Locate the MicroSD card slot (typically on the side of the screen unit) and insert the included 32GB MicroSD card. This is necessary for saving photos and videos.

## 5. OPERATING INSTRUCTIONS

1. **Power On/Off:** Press and hold the Power button (usually located on the handle or screen) to turn the device on or off. The screen will illuminate upon successful power-on.
2. **Probe Articulation:** Use the joystick control on the handle to articulate the 6.2mm probe. Move the joystick in the desired direction (up, down, left, right) to bend the probe tip. The probe can rotate 360 degrees for comprehensive viewing.
3. **Adjust LED Lights:** Press the light adjustment button (often indicated by a light bulb icon) to cycle through the 4 adjustable brightness levels of the LED lights on the probe tip. This helps illuminate dark inspection areas.
4. **Zoom Function:** Use the zoom buttons (e.g., '+' and '-' or dedicated zoom icons) on the screen unit to digitally zoom the image by 1.0x, 2.0x, and 3.0x. Note that digital zoom may reduce image clarity.
5. **Image Rotation:** Press the 180° image rotation button (often indicated by a rotation arrow icon) to flip the image on the screen. This is useful for adjusting the viewing orientation without physically re-positioning the device.
6. **Capture Photos/Videos:** Press the dedicated record/capture button (often a trigger-style button on the handle or a camera icon on the screen) to take a still photo or start/stop video recording. Ensure the MicroSD card is inserted.

## 6. MAINTENANCE

- **Cleaning the Probe and Lens:** After each use, especially in dirty or oily environments, gently wipe the probe and camera lens with the provided cleaning wipe or a soft, lint-free cloth. For stubborn grime, a small amount of isopropyl alcohol can be used. Ensure the lens is clean for optimal image quality.
- **Storage:** Store the borescope in its original carrying case in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the probe is not sharply bent or kinked during storage.
- **Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the device regularly, even if not in use for extended periods (e.g., once every 3 months).
- **Water Resistance:** The probe is rated IP67 waterproof, meaning it can withstand immersion in water up to 1 meter for 30 minutes. However, the main unit (screen and handle) is not waterproof. Avoid exposing the main unit to liquids.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image on screen	Probe not properly connected; Device not powered on; Low battery.	Ensure probe cable is fully inserted. Power on the device. Charge the battery.
Record button sticks	Mechanical issue with the button.	Gently press the button multiple times to free it. If the issue persists, contact customer support.

Problem	Possible Cause	Solution
Image is blurry or unclear	Dirty lens; Insufficient lighting; Object too close/far (outside focal range).	Clean the camera lens. Adjust LED brightness. Adjust distance to the object.
High temperature alarm (buzzer)	Probe tip temperature exceeds 85°C.	Immediately remove the probe from the high-temperature environment and allow it to cool down. Do not continue operation until the temperature returns to normal.
Device does not charge	Faulty cable or adapter; Charging port issue.	Try a different charging cable and USB adapter. Ensure the charging port is clean and free of debris.

## 8. SPECIFICATIONS

- **Model Number:** JS460DT
- **Product Dimensions:** 3.93 x 5.5 x 11.02 inches
- **Item Weight:** 2.62 Pounds
- **Camera Lens Diameter:** 6.2mm
- **Screen Size:** 5-inch IPS
- **Video Capture Resolution:** 1080p
- **Articulation:** 4-way, 360°
- **Lighting:** 6 adjustable LED lights
- **Zoom:** 3X Digital Zoom
- **Image Rotation:** 180°
- **Waterproof Rating (Probe):** IP67
- **Media Type:** Micro SD Card (32GB included)
- **Power Source:** 1 A battery (included)
- **Manufacturer:** Jese

## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included in your product packaging or contact JESERAL customer support directly. If you encounter any issues or have questions regarding the operation or maintenance of your borescope, please reach out to the manufacturer for assistance.

**Manufacturer:** Jese

**Seller:** JESERAL

