

NIDAGE A080-Black

NIDAGE Dual Lens Borescope Inspection Camera User Manual

Model: A080-Black | Brand: NIDAGE

1. INTRODUCTION

This user manual provides comprehensive instructions for the safe and effective operation, maintenance, and troubleshooting of your NIDAGE Dual Lens Borescope Inspection Camera. This device is designed for detailed visual inspection in hard-to-reach areas, featuring a dual-lens system for versatile viewing angles and a high-definition display for clear imaging.

Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.



Image: The NIDAGE Dual Lens Borescope Inspection Camera, showcasing its main unit with integrated screen and the long, flexible camera cable.

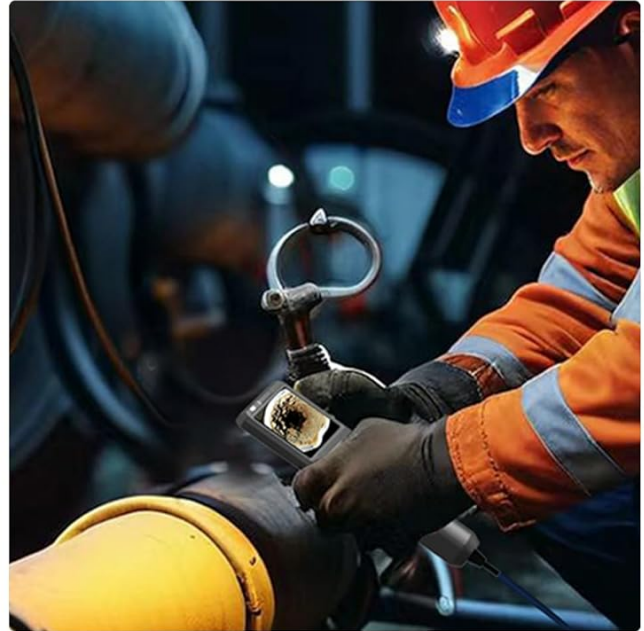
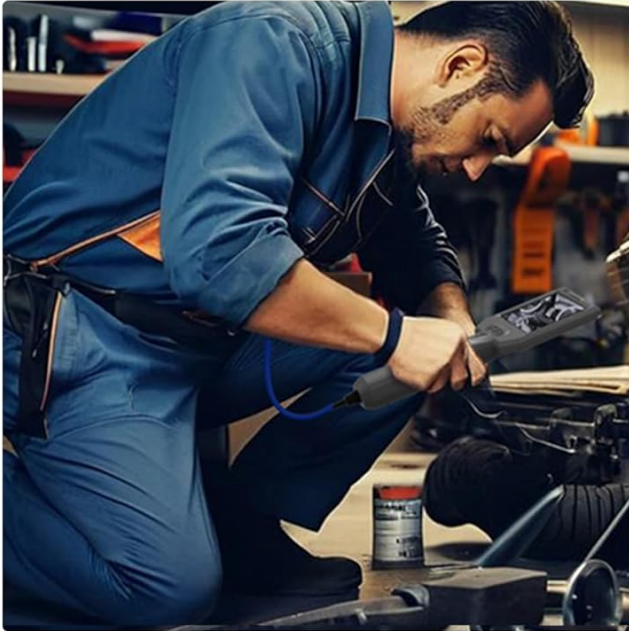


Image: Examples of the borescope in use across different professional and DIY applications, such as inspecting engine components, plumbing, and HVAC systems.

2. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present and in good condition:

- NIDAGE Dual Lens Borescope Inspection Camera (main unit with integrated display and flexible cable)
- USB Charging Cable
- User Manual (this document)
- Hook Attachment
- Magnet Attachment



Image: All components included in the NIDAGE borescope package, neatly arranged.

3. KEY FEATURES

- **Dual Lens System:** Equipped with both a front-facing and a side-facing camera, allowing for comprehensive inspection from two angles without needing to reorient the probe.



Image: The dual lens system of the borescope, highlighting the front and side cameras for versatile inspection.

- **High-Definition Imaging:** Delivers clear and detailed 1920P HD images, ensuring precise visual feedback during inspections.



Image: An exploded view of the borescope camera head, showcasing its advanced internal components for high-definition imaging.

- **4.3-inch IPS Display:** Features a vibrant IPS screen with a dual-chip solution for vivid real-time image display. The image flip function simplifies navigation in confined spaces.

4.3" IPS COLOR DISPLAY

18% improvement of image quality with dual-chip solution

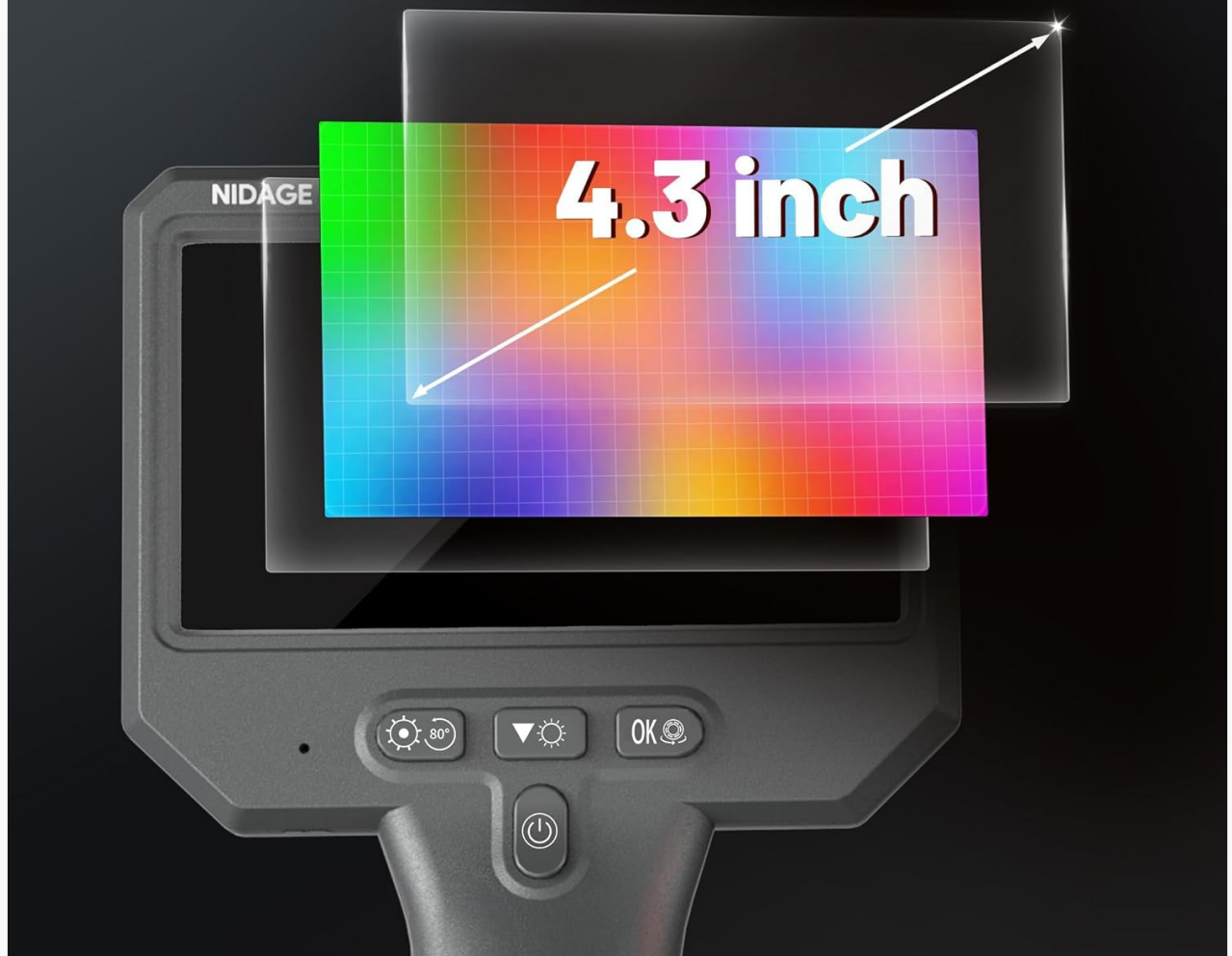


Image: A visual representation of the 4.3-inch IPS display, highlighting its enhanced color and clarity for a superior viewing experience.

- **IP67 Waterproof Probe:** The camera probe is rated IP67 waterproof, allowing for safe operation in wet or submerged environments such as pipes and drains.

IP67 WATERPROOF

See clearly in wet areas and darknees
with 6+1 adjustable leds



Image: The borescope's flexible cable and camera head shown in water, illustrating its IP67 waterproof rating and the illumination from its adjustable LEDs.

- **Adjustable LED Illumination:** Equipped with seven adjustable LED lights on the camera head to provide optimal visibility in dark inspection areas.
- **11.5 FT Semi-Rigid Cable:** The flexible yet durable cable allows for easy navigation through complex and tight spaces, maintaining its shape for precise positioning.
- **Ergonomic Design:** The main unit is designed for comfortable handling during extended inspection tasks.

I USER-FRIENDLY ERGONOMIC HANDLE DESIGN

Ensure comfortable handling
during prolonged use



Image: A user holding the borescope, showcasing the comfortable and ergonomic design of the handle during an inspection of an engine bay.

- **Helpful Attachments:** Includes hook and magnet accessories for retrieving lost items from inaccessible locations.

Your browser does not support the video tag.

Video: An official product video demonstrating the NIDAGE Dual Lens Borescope Inspection Camera's features, including its 4.3-inch IPS screen, dual lenses, waterproof probe, and included accessories like the hook and magnet. The video highlights the product's ease of use and high-definition imaging capabilities.

4. SETUP

4.1 Charging the Device

Before initial use, ensure the borescope is fully charged. Connect the provided USB charging cable to the charging port on the main unit and plug the other end into a standard USB power adapter (not included) or a computer USB port.

- A charging indicator light will illuminate during charging.
- The indicator light will change or turn off once charging is complete.
- Charging time may vary. Refer to the specifications for typical charging duration.

4.2 Attaching Accessories

The hook and magnet attachments can be securely fastened to the end of the camera probe for specific tasks:

1. Gently slide the desired attachment (hook or magnet) onto the camera probe tip until it clicks into place.
2. Ensure the attachment is firmly seated before use to prevent it from detaching during operation.
3. To remove, gently pull the attachment away from the probe tip.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To power on: Press and hold the Power button () located on the main unit until the screen illuminates.
- To power off: Press and hold the Power button () again until the screen turns off.

5.2 Adjusting LED Brightness

The camera probe features adjustable LED lights to illuminate dark inspection areas. Use the brightness adjustment buttons on the main unit to cycle through different brightness levels.

- Press the **Light** button () to increase brightness.
- Press the **Light** button () repeatedly to cycle through brightness levels until the desired illumination is achieved.

5.3 Switching Between Lenses

The NIDAGE borescope features a dual-lens system, allowing you to switch between the front-facing and side-facing cameras.

- Press the **OK** button (**OK**) to toggle between the front camera view and the side camera view.
- Observe the screen to confirm which lens is active.

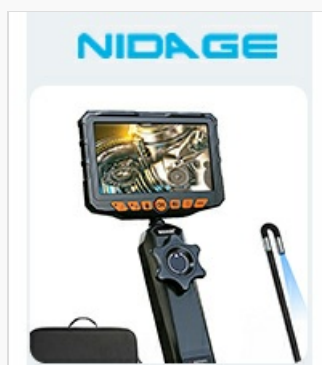


Image: A visual guide demonstrating the process of switching between the front and side camera views using the control buttons on the borescope.

5.4 Navigating and Inspecting

Carefully insert the flexible cable and camera probe into the area you wish to inspect. Use the semi-rigid nature of the cable to guide the probe. Monitor the display for real-time visual feedback.

Note: This endoscope model is designed for live viewing and does not support taking pictures or recording videos.

6. MAINTENANCE

6.1 Cleaning the Camera Probe and Cable

- After each use, especially in dirty or wet environments, wipe the camera probe and flexible cable with a soft, damp cloth.
- For stubborn grime, a mild soap solution can be used, followed by wiping with a clean, damp cloth.
- Ensure the probe and cable are completely dry before storage.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the probe's waterproof sealing or lens.

6.2 Cleaning the Main Unit and Display

- Wipe the main unit and display screen with a soft, dry, lint-free cloth.
- For fingerprints or smudges on the screen, use a screen-cleaning solution specifically designed for electronic displays.
- Avoid getting any liquids into the ports or buttons of the main unit.

6.3 Storage

- Store the borescope in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep the flexible cable coiled loosely to prevent kinks or damage.
- Ensure the device is fully charged before long-term storage to maintain battery health. Recharge every 3-6 months if not in use.

7. TROUBLESHOOTING

If you encounter issues with your NIDAGE borescope, refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Device does not power on.	Low battery or no charge.	Connect the device to the charging cable and allow it to charge for at least 30 minutes before attempting to power on again.
No image on screen.	Camera cable not properly connected or damaged.	Ensure the camera cable is securely plugged into the main unit. If the issue persists, contact customer support.
Image is too dark.	LED brightness is too low.	Press the Light button () to increase the LED brightness.
Image is blurry or unclear.	Lens is dirty or scratched. Object is outside the focal range.	Clean the camera lens carefully with a soft, lint-free cloth. Adjust the distance between the camera and the object being inspected.

Problem	Possible Cause	Solution
Cannot switch between lenses.	Button malfunction or temporary software glitch.	Ensure you are pressing the correct button (OK button). Try restarting the device. If the problem continues, contact customer support.

8. SPECIFICATIONS

Model Number	A080-Black
Display Screen	4.3-inch IPS Color Display
Camera Resolution	1920P HD (1080p Video Capture Resolution)
Lens Type	Dual Lens (Front and Side)
Cable Length	11.5 FT (Semi-Rigid)
Waterproof Rating	IP67 (for camera probe)
Illumination	7 Adjustable LED Lights
Battery Type	1 Lithium Polymer battery (included)
Package Dimensions	10.31 x 5.87 x 2.56 inches
Item Weight	14.11 ounces
Manufacturer	TELESION
Macro Focus Range	1-10 cm
Shooting Modes	Manual (Live View Only)
Exposure Control Type	Manual
Color	Grey




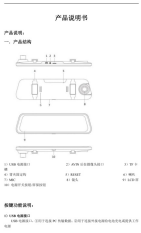

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact the manufacturer directly. NIDAGE is committed to providing quality products and customer satisfaction.

If you require technical assistance, have questions about product operation, or need to report a defect, please contact NIDAGE customer support through their official channels. Contact information can typically be found on the product packaging, the manufacturer's website, or your purchase receipt.

Please have your model number (A080-Black) and purchase details ready when contacting support to facilitate a quicker resolution.

Related Documents - A080-Black

	<p>NIDAGE WiFi Endoscope Camera User Manual: Setup, Operation, and Troubleshooting</p> <p>Comprehensive user manual for the NIDAGE WiFi Endoscope Camera (Model AW655). Learn how to connect, operate, and troubleshoot your endoscope for various inspection tasks. Includes safety guidelines and FCC compliance information.</p>
	<p>Monoprice Cable Plate with Flexible Opening, 2-Gang, Black - Quick Installation Guide (P/N 12583)</p> <p>Step-by-step installation guide for the Monoprice Cable Plate with Flexible Opening (2-Gang, Black, P/N 12583). Learn how to safely install low voltage cables behind your flat panel TV and audio/video devices.</p>
	<p>UIXE 76 in. Galvanized Steel Garden Fence Outdoor Privacy Screen Installation Guide</p> <p>This guide provides instructions for installing the UIXE 76 in. Galvanized Steel Garden Fence Outdoor Privacy Screen. Learn about recommended assembly steps, parts included, and available patterns.</p>
	<p>User Manual for 5MP Mirror Camera Car Dashcam DVR</p> <p>Detailed user manual for the 5MP Mirror Camera Car Touch Screen Video Recorder, covering product structure, button functions, shooting modes, playback, system settings, troubleshooting, and installation. This guide helps users understand and operate their dashcam effectively.</p>
	<p>HDMI Switch Troubleshooting Guide</p> <p>A comprehensive troubleshooting guide for common issues with HDMI switches, including no signal, flickering screens, and black screens. Provides step-by-step solutions for optimal performance.</p>