NIDAGE A010-15MDL

NIDAGE Dual Lens Endoscope User Manual

Model: A010-15MDL

1. Introduction

The NIDAGE Dual Lens Endoscope is a versatile inspection camera designed for detailed visual inspection in hard-to-reach areas. Featuring a 4.3-inch IPS screen, dual lenses (front and side), and a 50-foot waterproof cable, it is ideal for industrial applications such as pipe, duct, sewer, and engine inspections. This manual provides comprehensive instructions for the safe and effective use of your endoscope.

Figure 1.1: NIDAGE Dual Lens Endoscope System
This image shows the complete NIDAGE Dual Lens Endoscope system, including the handheld monitor unit with a display showing internal gears, and the long, coiled inspection cable with the camera probe at its end.

2. Product Features

- **Dual Lens System:** Equipped with both a front-facing and a side-facing HD camera on the probe tip, allowing for a wider inspection angle without repositioning the camera.
- **3 View Modes:** Easily switch between front view, side view, and dual view (split screen) directly on the monitor for comprehensive inspection.

- **4.3-inch Full-View IPS Screen:** Provides superior color accuracy, wider viewing angles, and faster response times compared to traditional LCD screens, ensuring clear images from various perspectives.
- **50FT Semi-Rigid Cable:** A long, flexible yet firm cable allows the 8mm camera probe to navigate through difficult and hard-to-reach areas.
- **IP67 Waterproof Probe:** The camera probe is rated IP67, making it suitable for inspection in wet or submerged environments.
- **Adjustable LED Lights:** Features 6 LED lights for the front camera and 1 LED for the side camera, with adjustable brightness to illuminate dark inspection areas effectively.
- **2800mAh Rechargeable Battery:** Provides 3-4 hours of continuous operation on a single charge.
- **32GB TF Card Included:** For storing captured images and videos.

3. Package Contents

Please verify that all items are present and in good condition upon opening the package:

- NIDAGE Dual Lens Industrial Endoscope Cable (50FT)
- 4.3-inch Endoscope Monitor
- Micro-USB Cable
- User Manual (this document)
- Accessories: Hook, Magnet
- 32GB TF Card

4. Setup Guide

4.1 Charging the Device

Before first use, fully charge the endoscope monitor. Connect the supplied Micro-USB cable to the charging port on the monitor and the other end to a standard USB power adapter (not included) or a computer USB port.

Figure 4.1: Charging the Endoscope Monitor

This image illustrates the NIDAGE endoscope monitor connected to a power source via a Micro-USB cable, with a battery icon on the screen indicating charging status. The device is shown from a side angle, highlighting the charging port.

The battery indicator on the screen will show charging status. A full charge typically takes 3-4 hours and provides up to 4 hours of continuous operation.

4.2 Inserting the TF Card

Locate the TF card slot on the side of the monitor. Gently insert the included 32GB TF card into the slot until it clicks into place. Ensure the card is inserted in the correct orientation.

4.3 Connecting the Camera Cable

Align the connector of the endoscope camera cable with the corresponding port on the top of the monitor unit. Push firmly until it is securely connected. Do not force the connection.

4.4 Powering On/Off

Press and hold the power button (usually located on the side or front of the monitor) for a few seconds to turn the device on. The screen will illuminate. To turn off, press and hold the power button again until the screen shuts down.

5. Operating Instructions

5.1 Understanding the Display

The 4.3-inch IPS screen provides a clear, wide-angle view of the inspection area. Its advanced technology ensures better color and wider viewing angles compared to standard LCD screens.

Figure 5.1: IPS Screen Advantage
This image visually compares the viewing experience of an IPS screen versus an LCD screen, demonstrating the superior wide viewing angles (178°) and clarity offered by the IPS technology, showing three different perspectives of the same image.

5.2 Switching View Modes

The NIDAGE endoscope features a dual-lens system, allowing for three distinct viewing modes:

- **Front View:** Displays the image from the primary camera at the tip of the probe.
- **Side View:** Displays the image from the secondary camera located on the side of the probe tip.
- **Dual View:** Shows both front and side camera feeds simultaneously in a split-screen format.

Use the dedicated "Mode" or "View" button on the monitor (refer to button labels) to cycle through these viewing modes.

This allows for comprehensive inspection without needing to reorient the probe.

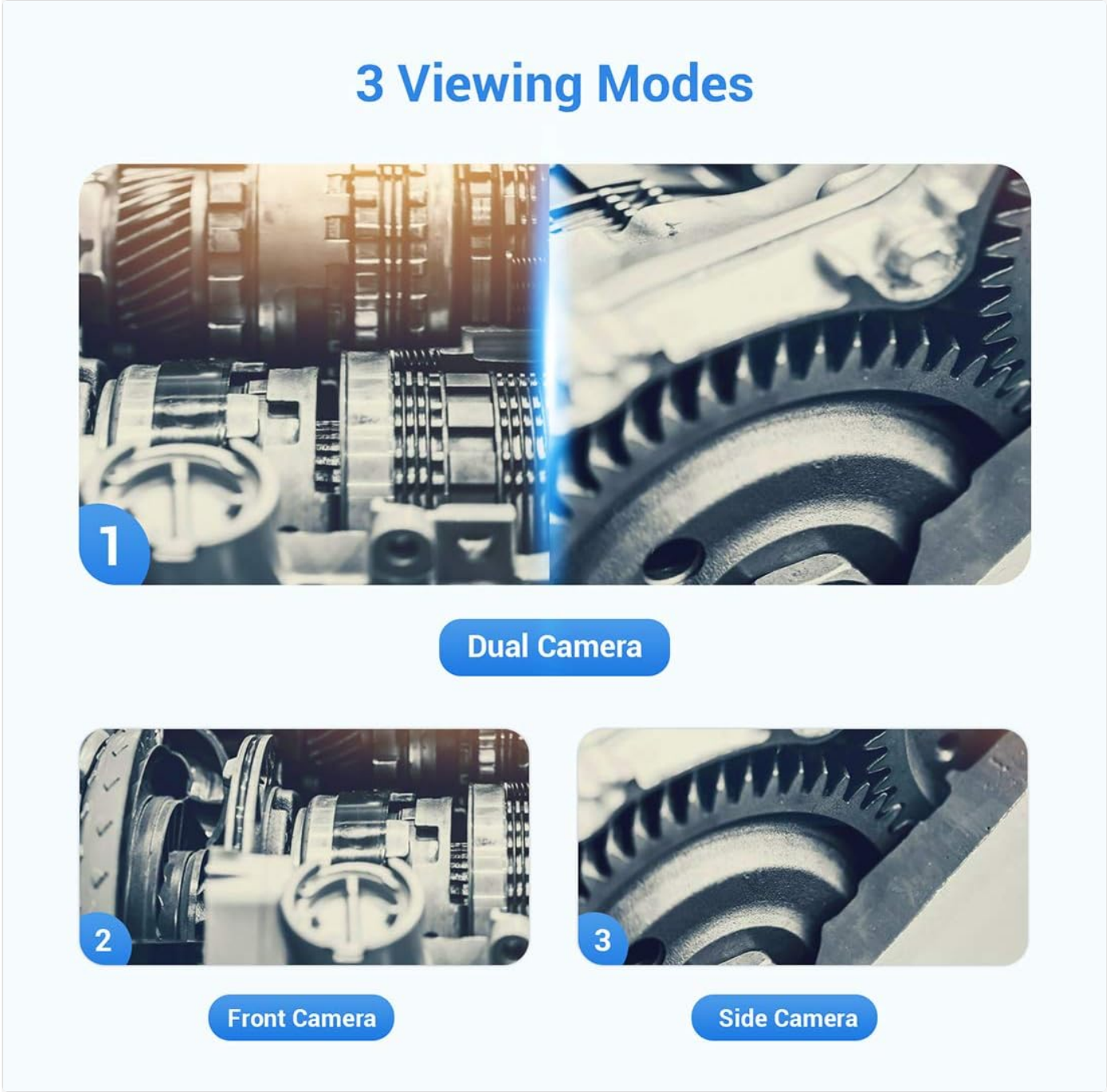


Figure 5.2: Available Viewing Modes

This image displays three distinct viewing options for the endoscope: a dual camera view showing both front and side perspectives simultaneously, a dedicated front camera view, and a dedicated side camera view, illustrating the versatility of the dual-lens system.

Figure 5.3: Dual Camera Probe Design

This image provides a close-up view of the endoscope probe tip, clearly labeling the front camera and the side camera. It also includes a comparison showing how a real digital side camera provides a clearer view than a traditional mirror attachment.

5.3 Adjusting LED Lights

The camera probe is equipped with adjustable LED lights (6 for the front, 1 for the side) to illuminate dark inspection areas. Use the designated light adjustment buttons on the monitor (often marked with a light bulb icon or up/down arrows) to increase or decrease the brightness as needed.

Figure 5.4: Waterproof Probe and LED Illumination

This image highlights the IP67 waterproof rating of the endoscope probe, showing it in a water-splashed environment. It also illustrates the adjustable LED lights on both the front and side cameras, demonstrating their illumination capabilities in dark conditions.

5.4 Navigating with the Semi-Rigid Cable

The 50-foot semi-rigid cable allows you to maneuver the camera probe through various conduits, pipes, and confined spaces. Gently guide the cable, bending it as necessary to navigate around obstacles. Avoid sharp bends that could damage the cable or internal wiring.

5.5 Capturing Images and Videos

While viewing the live feed, press the "OK" or "Capture" button (refer to button labels on your device) to take a still image. To record video, press the "Record" button (if available) to start recording, and press it again to stop. All captured media will be saved to the inserted 32GB TF card.

5.6 Typical Applications

The NIDAGE Dual Lens Endoscope is suitable for a wide range of inspection tasks, including but not limited to:

- Automotive inspection (engine, exhaust, chassis)
- Plumbing inspection (drains, pipes, sewers)
- HVAC inspection (ducts, vents)
- Industrial machinery inspection
- Home inspection (walls, attics, crawl spaces)

Figure 5.5: Endoscope in Use for Various Inspections
This composite image displays four different scenarios where the NIDAGE endoscope is being used: inspecting a sink drain, examining aircraft components, checking an automotive engine, and inspecting a sewer pipe, demonstrating its versatility across various industrial and home applications.

6. Maintenance

6.1 Cleaning the Probe and Lens

After each use, especially in dirty or wet environments, gently wipe the camera probe and lens 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 lens is

free of debris for clear imaging. Do not use abrasive cleaners or solvents.

6.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. Recharge the device when the battery indicator is low. If storing the device for an extended period, charge the battery to approximately 50% and store in a cool, dry place. Recharge every 3-6 months to prevent deep discharge.

6.3 Storage

Store the endoscope and its accessories in a clean, dry place, away from direct sunlight and extreme temperatures. Keep the cable coiled neatly to prevent kinks or damage.

7. Troubleshooting

Problem	Possible Cause	Solution
Device does not power on.	Low battery. Loose cable connection.	Charge the device fully. Ensure camera cable is securely connected.
No image on screen.	Camera cable not connected properly. Lens is dirty or obstructed.	Reconnect the camera cable. Clean the camera lens.
Image is blurry or dark.	Insufficient lighting. Lens is dirty. Object is out of focus range.	Adjust LED brightness. Clean the camera lens. Adjust distance to object (manual focus).
Cannot save images/videos.	TF card not inserted or full. TF card error.	Ensure TF card is inserted correctly and has free space. Try formatting the TF card (this will erase data) or use a different TF card.
Screen freezes or device is unresponsive.	Software glitch.	Press and hold the power button for 10-15 seconds to force a restart.

8. Specifications

Feature	Specification
Model Number	A010-15MDL
Screen Type	4.3-inch Full-View IPS Screen
Camera Type	Dual Lens (Front & Side)
Cable Length	50FT (approx. 15 meters)
Camera Diameter	8mm
Waterproof Rating	IP67 (Probe only)
LED Lights	7 (6 Front, 1 Side) - Adjustable
Battery Capacity	2800mAh Lithium Polymer

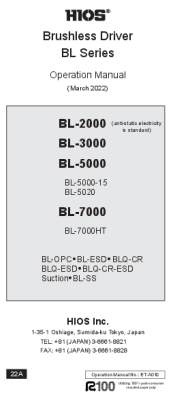
Feature	Specification
Battery Life	3-4 hours continuous operation
Storage	32GB TF Card (included)
Connectivity	USB (for charging/data transfer)
Focus Type	Manual Focus
Manufacturer	TELESION

9. Warranty and Support

NIDAGE products are manufactured with quality and reliability in mind. For any warranty claims, technical support, or inquiries regarding your NIDAGE Dual Lens Endoscope, please contact the manufacturer or the seller directly.
You can visit the official NIDAGE store on Amazon for more information and contact options:NIDAGE Amazon Store

Related Documents - A010-15MDL

	PHOTONews Spring 2014: Photography Tips, Travel, and Gear Reviews Dive into the Spring 2014 issue of PHOTONews magazine, featuring expert photography techniques, a journey to Wrangel Island, reader showcases, and reviews of Tamron, Olympus, and Vanguard camera equipment.
	MOA Airconditioner A010 Instruction Manual This comprehensive instruction manual for the MOA Airconditioner A010 provides essential information on safe installation, operation, maintenance, and troubleshooting. Learn how to effectively use your portable air conditioner for cooling, dehumidifying, and ventilation, along with safety guidelines for the R290 refrigerant.
	The Citizen Watch: Eco-Drive Instruction Manual for Models A010 & A060 This manual provides comprehensive guidance for The Citizen Eco-Drive watches (models A010, A060). Learn about features, operation, safety precautions, and specifications for optimal performance and safe use.

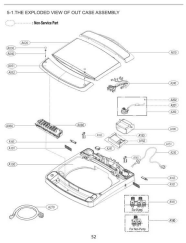


[HIOS Brushless Driver BL Series Operation Manual]

This operation manual provides detailed information on the HIOS Brushless Driver BL Series, including models BL-2000, BL-3000, BL-5000, and BL-7000. It covers parts identification, specifications, accessories, power supplies, operating procedures, torque adjustment, and troubleshooting.

[BLOCK Transformers: Isolating & Autotransformers - Technical Specifications and Product Catalog]

Comprehensive technical specifications and product catalog for BLOCK's range of ST, VCM, STEU, STU, TT, and AT3 series transformers. Includes isolating transformers and autotransformers with various voltage and power ratings, detailing input/output specifications and pricing.



[LG WTG9020V Washing Machine Exploded View Parts Diagram]

Detailed exploded view and parts diagram for the LG WTG9020V washing machine, illustrating the assembly of the outer case and tub.