

Autel MV208-5.5

Autel MV208-5.5 Digital Videoscope User Manual

Model: MV208-5.5

1. INTRODUCTION

The Autel MV208-5.5 Digital Videoscope is an advanced inspection tool designed for examining hard-to-reach areas. It features a 2.4-inch full-color LCD screen, a flexible watertight shaft with a 5.5mm camera head, and the capability to record still images and video clips. This manual provides essential instructions for the safe and effective use, setup, operation, and maintenance of your videoscope.

2. SAFETY INFORMATION

- **Read all instructions:** Before operating the videoscope, thoroughly read and understand all instructions provided in this manual.
- **Electrical Safety:** Do not expose the videoscope to moisture or extreme temperatures. Ensure the battery compartment is securely closed.
- **Probe Handling:** The camera probe is flexible but should not be bent excessively or forced into tight spaces, which could cause damage.
- **Battery Use:** Use only the specified battery type (Lithium Metal batteries). Ensure correct polarity when installing. Remove batteries if the device will not be used for an extended period to prevent leakage.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosols.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Autel MV208-5.5 Digital Videoscope Main Unit
- 5.5mm Imager Head and Cable (1 meter semi-rigid)
- User Manual (this document)
- *Note: Micro SD card and Lithium Metal AA batteries are typically sold separately.*

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Autel MV208-5.5 Digital Videoscope.

4.1 Main Unit



Figure 1: Autel MV208-5.5 Digital Videoscope main unit. This image shows the handheld device with its 2.4-inch screen, control buttons, and the attached flexible probe. The main unit is red and black, designed for ergonomic grip.

- **2.4" Full Color LCD Screen:** Displays live video feed and recorded media.
- **Control Buttons:** For navigation, power, recording, and LED brightness adjustment.
- **Battery Compartment:** Located on the handle for battery installation.
- **Micro SD Card Slot:** For expandable storage of images and videos.

4.2 Imager Head and Cable



Figure 2: Autel MV208-5.5 Digital Videoscope with the flexible probe extended. This view highlights the semi-rigid cable and the small 5.5mm camera head at its end, which contains the lens and LED illumination.

- **5.5mm Camera Head:** Small diameter for accessing confined spaces.
- **White LED Illumination:** Adjustable brightness to light up inspection areas.
- **1 Meter Semi-Rigid Watertight Shaft:** Provides flexibility for maneuvering while maintaining shape.

5. SETUP

5.1 Battery Installation

1. Locate the battery compartment cover on the back of the videoscope handle.
2. Unscrew the cover (if applicable, some models may have a latch).
3. Insert four (4) Lithium Metal AA batteries, ensuring correct polarity (+/-).
4. Replace the battery compartment cover and secure it.
5. **Important:** Some users have reported sensitivity to battery brand. If the device does not power on or functions erratically, try using premium brand Lithium Metal AA batteries.

5.2 Micro SD Card Installation (Optional)

1. Locate the Micro SD card slot, typically on the side of the main unit.


2. Insert a Micro SD card (up to 32GB recommended) into the slot until it clicks into place.
3. To remove, gently push the card in until it springs out.

5.3 Attaching the Imager Head and Cable



1. Align the connector of the imager cable with the port on the top of the videoscope main unit.
2. Gently push the connector in and twist the locking ring clockwise to secure it.
3. Ensure a firm connection to prevent signal loss.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- **To Power On:** Press and hold the Power button (usually marked with  or **ON/OFF**) until the screen illuminates.
- **To Power Off:** Press and hold the Power button again until the screen turns off.

6.2 Adjusting LED Brightness

- While the videoscope is on, use the designated brightness control buttons (often marked with  and  or an **LED** icon) to increase or decrease the illumination from the camera head.
- Adjust brightness to achieve optimal visibility in the inspection area.

6.3 Capturing Images and Videos

- **To Capture a Still Image:** Press the Photo button (often marked with a camera icon). The image will be saved to the internal memory or Micro SD card.
- **To Record Video:** Press the Video button (often marked with a video camera icon). Press again to stop recording. Video clips will be saved.
- *Note: Ensure a Micro SD card is installed for extended recording capacity.*

6.4 Playback and Review

- Access the playback mode via the menu or a dedicated button (often marked with a play icon).
- Use the navigation buttons to browse through recorded images and videos.
- Select an item to view it on the 2.4-inch LCD screen.

6.5 Connecting to a PC

- The videoscope can stream digital video directly to a PC. Connect the device to your computer using a compatible USB cable (not specified if included, assume standard mini/micro USB).
- Follow on-screen prompts on the videoscope or your PC to access the device's storage or live feed.

7. MAINTENANCE

- **Cleaning the Unit:** Wipe the main unit with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Cleaning the Camera Lens:** Gently clean the camera lens with a lens cleaning cloth or cotton swab. Do not scratch the lens.
- **Storage:** Store the videoscope in a cool, dry place away from direct sunlight. If storing for extended periods, remove the batteries.
- **Probe Care:** Avoid sharp bends or kinks in the flexible shaft. Do not submerge the main unit in water;

only the probe is watertight.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on or shuts off unexpectedly.	Low or incorrect battery type; loose battery connection.	Replace with fresh, high-quality Lithium Metal AA batteries. Ensure batteries are inserted with correct polarity and the compartment is secure.
Poor image quality or dark display.	Insufficient LED brightness; dirty camera lens; object too far from camera.	Adjust LED brightness. Clean the camera lens. Position the camera head closer to the inspection area (autofocus works best within 1 inch).
Cannot record images/videos.	No Micro SD card inserted or card is full/corrupted.	Insert a Micro SD card. Check if the card is full and delete unnecessary files, or format the card (refer to device menu for formatting option). Try a different Micro SD card.
No image on screen from probe.	Probe not securely connected.	Ensure the imager head and cable are firmly connected to the main unit and the locking ring is tightened.

9. SPECIFICATIONS


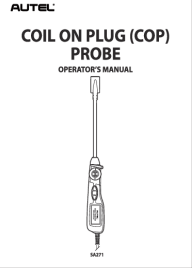
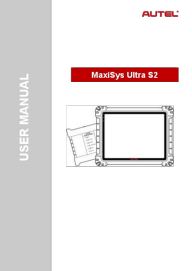
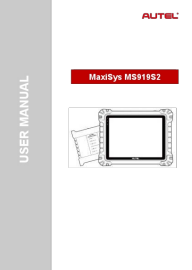
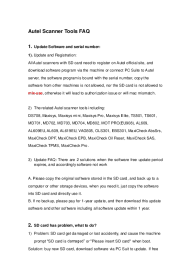
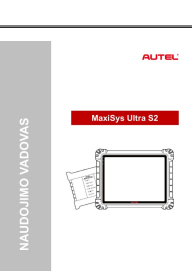
- **Model:** MV208-5.5
- **Display:** 2.4-inch Full Color LCD (320 x 240 resolution)
- **Imager Head Diameter:** 5.5mm
- **Shaft Length:** 1 meter (semi-rigid, watertight)
- **Illumination:** Adjustable White LED
- **Recording:** Still images and video clips (MPEG1/MPEG2)
- **Storage:** Internal flash memory or removable Micro SD card (optional)
- **Autofocus:** Yes, viewing capacity as close as 1 inch
- **PC Connectivity:** Digital video streaming to PC
- **Power:** 4 x Lithium Metal AA batteries
- **Voltage:** 12 Volts (internal operating voltage)
- **Product Dimensions:** 23.03 x 14.17 x 19.09 inches (packaging/shipping dimensions)
- **Item Weight:** 39.6 pounds (shipping weight)

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Autel customer support directly. Refer to the official Autel website or your purchase documentation for the most current contact details and warranty terms applicable to your region.

Autel Official Website: www.autel.com

Related Documents - MV208-5.5

	<p>Autel MAXIVIDEO MV105S/108S Digital Inspection Camera: Product Overview and Specifications</p> <p>Detailed product overview of the Autel MAXIVIDEO MV105S/108S digital inspection camera, including its features, setup guide, accessories, and technical specifications. Learn how this device enhances machinery inspection.</p>
	<p>Autel Coil-on-Plug (COP) Probe Operator's Manual</p> <p>Operator's manual for the Autel Coil-on-Plug (COP) Probe (SA271), detailing its features, warnings, and battery installation.</p>
	<p>MaxiSys Ultra S2 User Manual - Autel</p> <p>Comprehensive user manual for the Autel MaxiSys Ultra S2, covering device usage, safety instructions, diagnostics, service procedures, and more. Learn how to operate your MaxiSys system effectively.</p>
	<p>Autel MaxiSys MS919S2 User Manual: Comprehensive Guide</p> <p>Explore the Autel MaxiSys MS919S2 User Manual for detailed instructions on device operation, diagnostics, service procedures, and system settings. This guide covers everything from initial setup to advanced features for automotive technicians.</p>
	<p>Autel Scanner Tools FAQ - Troubleshooting and Support</p> <p>Comprehensive FAQ for Autel scanner tools, covering software updates, SD card issues, registration problems, model compatibility, and common error messages. Get support for your Autel diagnostic devices.</p>
	<p>Autel MaxiSys Ultra S2 Naudojimo Vadovas</p> <p>Išsamus Autel MaxiSys Ultra S2 naudojimo vadovas, apimantis diegimą, saugos instrukcijas, diagnostikos funkcijas, techninę priežiūrą ir matavimo įrankius. Sužinokite, kaip efektyviai naudoti jūsų Autel diagnostikos įrenginį.</p>

