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VIVIDIA ME-630

Vividia ME-630 Industrial Automotive Joystick Articulating Videoscope Borescope Inspection Camera User Manual

Model: ME-630

1. INTRODUCTION

The Vividia ME-630 is an advanced industrial and automotive videoscope designed for detailed inspection and diagnostics. It features a 6mm diameter, 3-meter long probe with 360-degree all-way articulation controlled by a joystick, allowing for precise navigation in confined spaces. The device captures high-quality images and videos, making it suitable for various professional inspection tasks.



Image 1.1: The Vividia ME-630 Videoscope, showing the main handheld unit with display and the flexible probe.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the Vividia ME-630 videoscope. Failure to follow these instructions may result in injury or damage to the device.

- **Electrical Safety:** Do not use the device in wet conditions or near flammable gases. Ensure the charging cable is undamaged.
- **Probe Handling:** The probe contains sensitive optics. Avoid sharp bends or excessive force that could damage the articulation mechanism or the sapphire lens.
- **Temperature:** Do not expose the device or probe to extreme temperatures.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth for the main unit and follow specific instructions for probe cleaning.
- **Disassembly:** Do not attempt to disassemble or repair the device. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Vividia ME-630 Main Unit with Integrated Display
- 3-meter (9.8 ft) Articulating Probe (6mm diameter)

- Rechargeable Battery (18650 type)
- 8GB Mini SD Card (pre-installed)
- USB Charging Cable
- Hard Carrying Case
- User Manual (this document)



Image 3.1: Overview of the Vividia ME-630 package contents, including the main unit, probe, battery, SD card, and carrying case.

4. PRODUCT OVERVIEW

4.1 Main Unit Components

The main unit houses the display, control buttons, battery compartment, and SD card slot.

- **Display Screen:** Shows live video feed and menu options.
- **Power Button:** Turns the device on/off.
- **Joystick:** Controls the 360-degree articulation of the probe tip.
- **OK/Confirm Button:** Confirms selections or captures images/videos.
- **Menu Button:** Accesses device settings.
- **LED Brightness Control:** Adjusts the illumination at the probe tip.
- **Photo/Video Mode Switch:** Toggles between capturing still images and recording video.
- **SD Card Slot:** For storing captured media.
- **USB Port:** For charging and data transfer.

4.2 Articulating Probe

The flexible probe is equipped with a camera and LED lights at its tip. The 3-meter length and 6mm diameter allow access to various inspection areas. The probe tip is protected by a sapphire lens for durability.



Image 4.1: Diagram illustrating the 360-degree articulation capability of the videoscope probe tip.

5. SETUP

5.1 Charging the Battery

1. Locate the battery compartment on the main unit.
2. Insert the provided 18650 rechargeable battery, ensuring correct polarity.
3. Connect the USB charging cable to the device's USB port and a suitable USB power adapter (not included).
4. Allow the device to charge fully before first use. The charging indicator will change when complete.

5.2 Inserting the SD Card

The 8GB mini SD card is typically pre-installed. If not, or if replacing:

1. Locate the SD card slot on the side of the main unit.
2. Gently insert the mini SD card with the contacts facing down until it clicks into place.
3. To remove, press the card in again until it springs out.

5.3 Attaching the Probe

The probe is permanently attached to this model and does not require separate attachment.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- **Power On:** Press and hold the Power button until the display illuminates.
- **Power Off:** Press and hold the Power button until the display turns off.

6.2 Adjusting LED Brightness

Use the dedicated LED brightness control buttons (often labeled with light bulb icons) to increase or decrease the illumination from the probe tip. This helps optimize visibility in various inspection environments.

6.3 Articulating the Probe

The joystick on the main unit controls the 360-degree articulation of the probe tip. Gently move the joystick in the desired direction to steer the camera. Release the joystick to hold the probe tip in position.



Image 6.1: The Vividia ME-630 videoscope being used for an automotive inspection, demonstrating its practical application.

6.4 Capturing Images and Videos

- Select Mode:** Use the Photo/Video mode switch button to toggle between still image capture and video recording. An icon on the display will indicate the current mode.
- Capture Image:** In photo mode, press the OK/Confirm button once to take a picture.
- Record Video:** In video mode, press the OK/Confirm button once to start recording. Press it again to stop recording.
- Review Media:** Access the gallery or playback function through the Menu button to view captured images and videos.



Image 6.2: An example image captured by the videoscope, showing an internal engine component during an inspection.

7. MAINTENANCE

7.1 Cleaning

- **Main Unit:** Wipe with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents.
- **Probe:** The probe and insertion tube are waterproof (IP67). After use in dirty or oily environments, gently wipe the probe with a damp cloth. For stubborn residue, consult the manufacturer's guidelines for appropriate cleaning agents. Ensure the sapphire lens is clean for optimal image clarity.

7.2 Storage

Store the videoscope in its hard carrying case in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure the probe is coiled loosely and not kinked.

7.3 Battery Care

To prolong battery life, charge the battery regularly and avoid fully discharging it. If storing for extended periods, charge the battery to approximately 50% capacity.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	Battery is discharged or incorrectly inserted.	Charge the battery. Check battery polarity.
No image on display.	Probe connection issue; LED brightness too low.	Ensure probe is securely connected (if detachable, though this model is integrated). Increase LED brightness.
Images/videos not saving.	SD card full, corrupted, or not inserted correctly.	Check SD card insertion. Format or replace SD card. Ensure enough storage space.
Probe articulation is stiff or unresponsive.	Mechanical obstruction; internal damage.	Ensure no external obstruction. Do not force articulation. Contact support if issue persists.

9. SPECIFICATIONS

Feature	Detail
Model	ME-630
Probe Diameter	6mm (0.236")
Probe Length	3 meters (9.8 ft)
Articulation	360-degree all-way (joystick controlled)
Camera Lens	Sapphire protective lens
Probe Material	Titanium alloy (high wear resistance)
Waterproof Rating	IP67 (probe and insertion tube)
Video Capture Resolution	1080p
Storage	8GB Mini SD Card (included)
Exposure Control	Automatic
Shooting Modes	Manual, Automatic
Manufacturer	Vividia Technologies

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Vividia Technologies website. Do not attempt to repair the device yourself, as this may void your warranty.

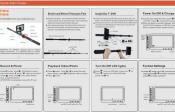
Manufacturer: Vividia Technologies

Contact: Refer to the manufacturer's website or your purchase invoice for contact details.

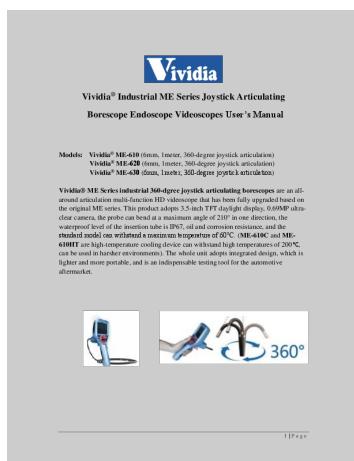
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	<p>Vividia Ablescope USB Borescope Cameras and Bundles User Guide</p> <p>This guide provides information on Vividia Ablescope USB Borescope Cameras and Bundles, including features, benefits, setup instructions, software compatibility, bundle options, and safety precautions.</p>
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	<p>Vividia GP-3915 Articulating Videoscope Operation Manual DELLON Industrial Inspection</p> <p>Comprehensive operation manual for the DELLON Vividia GP-3915 industrial articulating videoscope. Learn about features, specifications, operation, troubleshooting, and after-sales service for this high-definition inspection tool.</p>
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[pdf] User Manual Declaration of Conformity

Vividia® Industrial ME Series Joystick Articulating Borescope Endoscope Videoscopes User's Manual

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