

## Elmo MO-1

# Elmo MO-1 Visual Presenter Instruction Manual

Model: MO-1 (1337-1)

## INTRODUCTION

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The Elmo MO-1 Visual Presenter is a compact and versatile document camera designed for high-quality imaging and presentation. Its portable design makes it suitable for various environments, from classrooms to offices. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MO-1 Visual Presenter.

## PRODUCT OVERVIEW

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Figure 1: Elmo MO-1 Visual Presenter, unfolded and ready for use.

The Elmo MO-1 is engineered for portability and ease of use, featuring a 1/3.2" 5-megapixel CMOS sensor capable of capturing effective pixels of 2,048 (H) x 1,536 (V). It includes an 8x digital zoom and an F2.9 lens, allowing for a maximum shooting area of 10.1" x 13.4" (WXGA/XGA/VGA). Its flexible camera arm and head can swivel 300 degrees, providing versatile viewing angles. The unit also integrates a built-in microphone, an SD card slot, HDMI input, and can be powered via USB, making it a high-precision tool for visual presentations.

## Safety Information

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Please read and understand all safety instructions before using the Elmo MO-1 Visual Presenter. Failure to follow these instructions may result in electric shock, fire, or damage to the unit.

- Do not expose the unit to rain or moisture.
- Do not disassemble or modify the unit. Refer all servicing to qualified service personnel.

- Use only the power cord and AC adapter supplied with the unit.
- Avoid placing the unit in direct sunlight or near heat sources.
- Ensure proper ventilation around the unit during operation.
- Keep the unit away from strong magnetic fields.

## PACKAGE CONTENTS

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

- Elmo MO-1 Visual Presenter Unit
- Power cord
- AC adapter
- USB cable
- CD-ROM (Image Mate software, User manual, Quick start guide)
- Warranty card

## SETUP

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### 1. Unpacking and Physical Setup

1. Carefully remove the MO-1 Visual Presenter and all accessories from the packaging.
2. Place the unit on a stable, flat surface.
3. Unfold the camera arm and adjust the camera head to the desired position. The arm is flexible, and the head can swivel 300 degrees to capture various angles.

### 2. Connecting Power

- Connect the supplied AC adapter to the DC IN port on the MO-1 unit.
- Plug the power cord into the AC adapter and then into a standard electrical outlet.
- Alternatively, the unit can be powered via USB by connecting the supplied USB cable to a computer's USB port.

### 3. Connecting to a Display Device

The MO-1 offers multiple output options for connecting to a display or computer:

- **HDMI Output:** Connect an HDMI cable from the MO-1's HDMI OUT port to an HDMI input on your display (e.g., TV, projector). Supports 1080i (30fps) and 720p (30fps, 60fps).
- **Analog RGB Output:** Connect a D-Sub cable from the MO-1's RGB OUT port to a VGA input on your display. Supports WXGA/XGA (20fps) and 720p (30fps).
- **USB Output:** Connect the supplied USB cable from the MO-1's USB Type B (mini) port to a USB port on your computer. This allows for image transfer and control via software like Image Mate. Supports WXGA/XGA (20fps), VGA (20fps), 1080p (15fps), 720p (30fps).

## OPERATION

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### 1. Power On/Off

- Press the **Power button** on the unit to turn it on. The power indicator light will illuminate.

- Press and hold the **Power button** again to turn the unit off.

## 2. Adjusting Image and Focus

- **Focus:** The MO-1 features auto-focus. For manual adjustment, use the **Focus +/- buttons** or the one-push auto-focus button.
- **Zoom:** Use the **Zoom +/- buttons** to digitally zoom in or out on the captured image (up to 8x digital zoom).
- **White Balance:** Adjust the white balance using the dedicated controls to ensure accurate color reproduction. Options include Auto and Manual.
- **Image Rotation:** The live camera image can be rotated 0°/180°. Saved images can be rotated 0°/90°/180°/270°.

## 3. Input Switching

The MO-1 allows switching between different input sources:

- Use the **Input Select button** to cycle through HDMI, RGB, USB, and External input sources.

## 4. Using the Built-in Microphone

The integrated microphone captures audio during presentations or recordings. Ensure your connected display or recording device is configured to receive audio from the MO-1.

## 5. SD Card Usage

Insert an SD card into the designated slot to save captured images or videos directly to the card. Refer to the on-screen menu or the Image Mate software for recording and playback options.

# MAINTENANCE

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## 1. Cleaning

- Before cleaning, disconnect the power cord from the unit.
- Wipe the exterior of the unit with a soft, dry cloth. For stubborn dirt, slightly dampen the cloth with water and then wipe dry.
- Do not use abrasive cleaners, waxes, or solvents (e.g., alcohol, benzene, thinners) as they may damage the finish.
- Gently clean the camera lens with a lens cleaning cloth designed for optical surfaces.

## 2. Storage

- When not in use for extended periods, fold the unit into its compact form.
- Store the MO-1 in a cool, dry place, away from direct sunlight and extreme temperatures.
- Keep the unit in its original packaging or a protective case to prevent dust accumulation and physical damage.

# TROUBLESHOOTING

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If you encounter issues with your Elmo MO-1 Visual Presenter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on display.	Power is off. Incorrect input selected on display or MO-1. Loose or faulty connection cable.	Ensure the MO-1 is powered on. Select the correct input source on both the MO-1 and your display device. Check all cable connections (HDMI, RGB, USB) and ensure they are secure. Try a different cable if available.
Image is blurry or out of focus.	Auto-focus not engaged or manual focus incorrect. Camera lens is dirty. Object is outside the shooting area.	Press the one-push auto-focus button or adjust focus manually. Clean the camera lens with a soft, lint-free cloth. Adjust the object's position or the camera arm to ensure the object is within the maximum shooting area.
Poor image quality or color issues (e.g., red tint).	Insufficient lighting. Incorrect white balance setting. Specific display or PC compatibility issues (especially with certain colors like red).	Ensure adequate ambient lighting or use the unit's built-in LED illumination. Adjust the white balance setting to "Auto" or manually fine-tune it. If experiencing color issues when not connected to a PC, try connecting to a PC and using the Image Mate software, or adjust display settings on your monitor/projector.
Unit does not power on.	Power cord or AC adapter is defective. Power outlet is not working.	Check if the power cord and AC adapter are securely connected and undamaged. Try a different power outlet. If possible, test with a known working power adapter or try powering via USB from a computer.

## SPECIFICATIONS

Feature	Detail
Image Pick-up Device	1/3.2" 5Megapixel CMOS sensor
Effective Pixels	2,048 (H) x 1,536 (V)
Zoom	8x digital
Lens	F2.9
Shooting Area Max.	10.1" x 13.4" (WXGA/XGA/VGA)
Focus	Auto (one-push)/Manual
White Balance	Auto/Manual
HDMI Output	1080i (30fps), 720p (30fps, 60fps)
Analog RGB Output	WXGA/XGA (20fps), 720p (30fps)
USB Output	Type B (mini), WXGA/XGA (20fps), VGA (20fps), 1080p (15fps), 720p (30fps)

Feature	Detail
Input Terminal	Analog RGB (D-Sub), HDMI (Type A)
Image Rotation	Live camera image: 0°/180°, Saved image: 0°/90°/180°/270°
Illumination	White LED
Power Source	5V DC, 2A (AC 100 - 240V, 50/60 Hz) / Powered via USB
Power Consumption	4.2W (standby 0.25W) / USB 3.3W
Dimensions (WxDxH)	Set up: 3.97" x 8.89" x 13.3", Folded: 3.97" x 8.89" x 1.1"
Weight	1.2 lbs

## WARRANTY AND SUPPORT

### Warranty Information



The Elmo MO-1 Visual Presenter comes with a warranty card included in the package. Please refer to this card for specific details regarding the warranty period and coverage. Keep your proof of purchase for warranty claims.

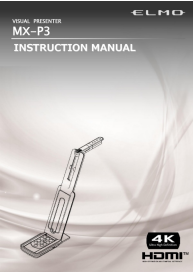


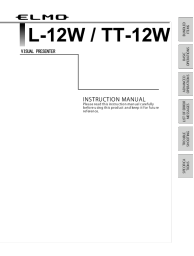
### Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please visit the official Elmo USA website or contact their customer support. Contact information can typically be found on the warranty card or the manufacturer's website.

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### Related Documents - MO-1

	<p><a href="#">ELMO L-12G / TT-12G Visual Presenter: Instruction Manual</a></p> <p>Comprehensive instruction manual for the ELMO L-12G and TT-12G Visual Presenters. Learn about setup, operation, advanced features, troubleshooting, and specifications to effectively use your ELMO document camera.</p>
	<p><a href="#">ELMO HV-100XG Visual Presenter Instruction Manual</a></p> <p>Comprehensive instruction manual for the ELMO HV-100XG Visual Presenter, covering important safeguards, setup, operation, troubleshooting, and specifications.</p>

	<p><a href="#">ELMO MX-P3 Visual Presenter Instruction Manual</a></p> <p>Comprehensive instruction manual for the ELMO MX-P3 Visual Presenter, covering setup, operation, troubleshooting, and specifications. Learn how to use your ELMO MX-P3 for presentations and recording.</p>
	<p><a href="#">ELMO PX-30E / PX-10E</a></p> <p>ELMO PX-30E PX-10E</p>
	<p><a href="#">ELMO L-12G / TT-12G Visual Presenter Instruction Manual</a></p> <p>Instruction manual for the ELMO L-12G and TT-12G Visual Presenter. Provides detailed information on setup, operation, safety precautions, specifications, and troubleshooting for these document cameras.</p>
	<p><a href="#">ELMO L-12W / TT-12W Visual Presenter: Comprehensive Instruction Manual</a></p> <p>Explore the features and operation of the ELMO L-12W and TT-12W Visual Presenters with this detailed instruction manual. Learn about setup, basic and advanced functions, troubleshooting, and specifications for optimal use in educational and professional settings.</p>