IPEVO VZ-R (Model 5-898-4-01-00)

IPEVO VZ-R HDMI/USB Dual Mode Document Camera User Manual

Model: VZ-R (5-898-4-01-00)

1. INTRODUCTION

This user manual provides detailed instructions for the IPEVO VZ-R HDMI/USB Dual Mode Document Camera. It covers product features, setup procedures, operational guidelines, maintenance tips, and troubleshooting information to help you effectively use your device for real-time projection, remote work, distance learning, web conferencing, video recording, and live demonstrations.

2. PRODUCT OVERVIEW

The IPEVO VZ-R is an 8-megapixel document camera designed for versatile visual communication. It offers both HDMI and USB connectivity, allowing direct connection to displays or computers. Its robust design and advanced imaging capabilities make it suitable for various educational and professional environments.

Key Features:

- **Dual Mode Connectivity:** Seamlessly switch between HDMI for direct display output and USB for computer-based applications.
- **High Resolution Imaging:** Captures up to 3264 x 2448 pixels in USB mode and 1920 x 1080 pixels in HDMI mode, ensuring clear and detailed visuals.
- **Large Capture Area:** Maximum capture area of 10.6" x 18.9" (16:9) or 13.5" x 18.1" (4:3).
- **Enhanced Performance:** Features a Sony CMOS image sensor and Ambarella SoC for fast focus, noise reduction, and accurate color reproduction.
- **Integrated LED Light:** Provides additional illumination for optimal image quality in low-light conditions.
- **Webcam Functionality:** Functions as a high-quality webcam, compatible with various third-party video conferencing software.
- **Flexible Design:** Swiveling head and multi-jointed stand allow for capturing objects at different heights, angles, and orientations.
- **Durable and Portable:** Constructed with a glass fiber reinforced stand (GVX-5H) for increased durability and ease of transport.
- **Intuitive Controls:** Tactile built-in buttons on the device body for instant image adjustments.

Figure 2.1: The IPEVO VZ-R Document Camera, illustrating its compact and flexible design.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Camera head and stand
- Base
- USB Type-C to Type-A cable (4.90ft/150cm)
- Screwdriver
- Screws x 4

4. DEVICE LAYOUT

The IPEVO VZ-R features an intuitive button layout for easy control. Familiarize yourself with the functions of each button:

Note: An HDMI cable and a wall power adapter are not included in the package and must be acquired separately if needed.

4. DEVICE LAYOUT

Figure 4.1: Side view of the VZ-R, showing the control panel.

- **LIGHT:** Toggles the LED light on/off.
- **FILTER:** Cycles through various image filters (e.g., grayscale, negative).
- **ROTATE:** Rotates the image 90 degrees clockwise.

- **ZOOM +** / **ZOOM -:** Adjusts the digital zoom level.
- **EXP +** / **EXP -:** Adjusts the exposure level (brightness).
- **FOCUS** / **AF-LOCK:** Initiates auto-focus or locks the current focus.
- **POWER:** Turns the device on or off.

5. SETUP

5.1 Physical Assembly

1. Attach the camera head and stand assembly to the base using the provided screws and screwdriver. Ensure it is securely fastened.
2. Position the VZ-R on a stable, flat surface.

5.2 Connecting to a Computer (USB Mode)

1. Connect the USB Type-C end of the provided cable to the VZ-R.
2. Connect the USB Type-A end of the cable to an available USB port on your computer (Mac, Windows PC, or Chromebook).
3. The VZ-R will be recognized as a standard webcam. You may need to download and install the IPEVO Visualizer software from the official IPEVO website for full functionality and advanced controls.

Figure 5.1: VZ-R connected via USB to a laptop, displaying a document.

5.3 Connecting to a Display (HDMI Mode)

1. Connect an HDMI cable (not included) from the VZ-R's HDMI output port to the HDMI input port on your TV, monitor, or projector.

2. Ensure the display device is set to the correct HDMI input source.

3. The VZ-R will automatically project its live feed to the connected display.

Figure 5.2: VZ-R projecting content onto a screen using HDMI connection.

5.4 Powering the Device

The VZ-R is powered via its USB connection. When connected to a computer, it draws power from the USB port. For HDMI-only operation, connect the USB cable to a USB wall adapter (not included) for power.

6. OPERATING INSTRUCTIONS

6.1 Using the IPEVO Visualizer Software

For advanced control and features when connected to a computer, download and install the IPEVO Visualizer software. This software allows you to:

- Adjust image settings (resolution, exposure, white balance).
- Annotate live images.
- Record video and capture snapshots.
- Utilize various presentation tools.

6.2 Using On-Device Buttons

Refer to Section 4, "Device Layout," for the location and function of each button. These buttons allow for quick adjustments without software interaction, especially useful in HDMI mode.

6.3 Adjusting the Camera Arm

The VZ-R's multi-jointed stand allows for flexible positioning. Gently adjust the arm and camera head to capture your desired object or document. The swiveling head provides additional flexibility for different angles and orientations.

6.4 Using as a Webcam

When connected to a computer via USB, the VZ-R can function as a webcam. Select the VZ-R as your camera source in your preferred video conferencing application (e.g., Zoom, Google Meet, Microsoft Teams). Its flexible arm allows you to easily switch between showing your face and displaying physical documents or objects during a call.

Figure 6.1: VZ-R being used for a video conference, showing a document.

Figure 6.2: VZ-R capturing detailed objects for display.

7. MAINTENANCE

To ensure the longevity and optimal performance of your IPEVO VZ-R, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. For the camera lens, use a lens cleaning cloth and solution specifically designed for optics. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the VZ-R in a clean, dry place away from direct sunlight and extreme temperatures. The flexible arm can be folded for compact storage.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.

Figure 7.1: VZ-R in a compact, folded state for storage or transport.

8. TROUBLESHOOTING

If you encounter issues with your IPEVO VZ-R, refer to the following common problems and solutions:

- **No Image Displayed (USB Mode):**

    - Ensure the USB cable is securely connected to both the VZ-R and your computer.
    - Verify that the VZ-R is selected as the camera source in your software (e.g., IPEVO Visualizer, video conferencing app).
    - Try connecting to a different USB port on your computer.
    - Restart your computer.

- **No Image Displayed (HDMI Mode):**

    - Ensure the HDMI cable is securely connected to both the VZ-R and your display device.
    - Confirm that your display device is set to the correct HDMI input source.
    - Ensure the VZ-R is receiving power via its USB connection to a wall adapter.
    - Try a different HDMI cable.

- **Image is Blurry or Out of Focus:**

- Press the **FOCUS** / **AF-LOCK** button to initiate auto-focus.
- Ensure the object is within the camera's optimal focal range.
- Check for any obstructions on the camera lens.

- **Image is Too Dark or Too Bright:**

  - Adjust the exposure using the **EXP +** / **EXP -** buttons.
  - Ensure the LED light is on if operating in a dimly lit environment.
  - Check ambient lighting conditions.

- **Flickering Image:**

  - Ensure all cables (USB, HDMI) are securely connected and not damaged.
  - Try a different cable.
  - Ensure adequate power supply.
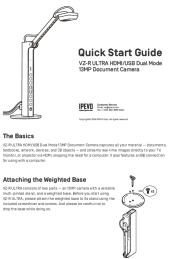
9. SPECIFICATIONS

Feature	Detail
Product Dimensions	4.56 x 4.25 x 11.85 inches
Item Weight	2.2 pounds
Item Model Number	5-898-4-01-00
Video Capture Resolution	2448p (USB Mode), 1080p (HDMI Mode)
Exposure Control Type	Manual
Color	Green
Zoom Type	Digital (smooth zoom)
First Available Date	May 14, 2020
Manufacturer	IPEVO

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official IPEVO website or contact IPEVO customer service directly. You can typically find support resources, FAQs, and contact details at www.ipevo.com. For direct customer service inquiries, you may also reach out to cs@ipevo.com.

Note: No official product videos were available in the provided data for embedding in this manual.

Related Documents

	[IPEVO VZ-X Document Camera Quick Start Guide: Wireless, HDMI & USB Setup](#) A comprehensive quick start guide for the IPEVO VZ-X Document Camera, covering setup, connections via Wi-Fi, HDMI, and USB, charging, advanced settings, and safety information.
	[IPEVO VZ-X　　](#) IPEVO VZ-X　/HDMI/USB　　　　　　　　　VZ-X
	[IPEVO VZ-X ULTRA 13MP Wireless, HDMI & USB Document Camera Quick Start Guide](#) A comprehensive quick start guide for the IPEVO VZ-X ULTRA document camera, covering setup, wireless and wired connections, advanced settings, and safety information.
	[IPEVO VZ-R ULTRA 13MP Document Camera: Quick Start Guide](#) Learn how to set up and use the IPEVO VZ-R ULTRA HDMI/USB Dual Mode 13MP Document Camera with this quick start guide. Covers basic setup, connections, and features.