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VILTROX DC-V1

VILTROX DC-V1 5.5-Inch 4K HDMI Touchscreen Camera Video Monitor User Manual

1. INTRODUCTION

The VILTROX DC-V1 is a 5.5-inch 4K HDMI touchscreen camera video monitor designed to enhance your filmmaking and photography experience. It features a 1920x1080 resolution display with a 60Hz refresh rate, delivering crisp images at approximately 400 DPI. With adjustable brightness from 100nits to 400nits, full Rec.709 and sRGB color space coverage, a 1000:1 contrast ratio, and a 160-degree wide viewing angle, this monitor provides accurate and vibrant visuals for professional applications.

2. PRODUCT OVERVIEW AND PACKAGE CONTENTS

2.1. Parts Identification

Familiarize yourself with the various components and interfaces of your DC-V1 monitor:



Key Components:

1. **SD card cover:** Protects the SD card slot.
2. **F1/F2/F3 shortcut keys:** Customizable function buttons.

3. **Return key:** Navigates back in menus.
4. **Display:** 5.5-inch touchscreen panel.
5. **ON/OFF key:** Power button.
6. **Knob key:** Multi-directional control for menu navigation and selection.
7. **Type-C interface:** For power input (5V 3A) and data.
8. **Locating hole:** For mounting accessories.
9. **1/4 screw hole:** Standard mounting point.
10. **DC interface:** 12-18VDC power input.
11. **HDMI output:** For transmitting video signal to another display.
12. **HDMI input:** For receiving video signal from a camera.
13. **Heat emission hole:** For heat dissipation.
14. **Headphone jack:** For audio monitoring.
15. **Battery release key:** To detach the battery.

2.2. What's in the Box

Verify that all items are present in your package:



- DC-V1 Camera Monitor
- Monitor Hood (Sunshade)
- VL-550 Cold Shoe Adapter
- NP-F550 Battery
- USB-C Power Cable
- HDMI Cable
- Mini HDMI Cable
- Instruction Manual

3. SETUP

3.1. Battery Installation and Powering On

1. Insert the provided NP-F550 Lithium Ion battery into the battery slot on the back of the monitor until it clicks into place.
2. Alternatively, connect the monitor to a power source using the USB-C cable (5V 3A) or a DC 12-18V adapter.
3. Press and hold the **ON/OFF key** (5) to power on the monitor.

3.2. Mounting the Monitor

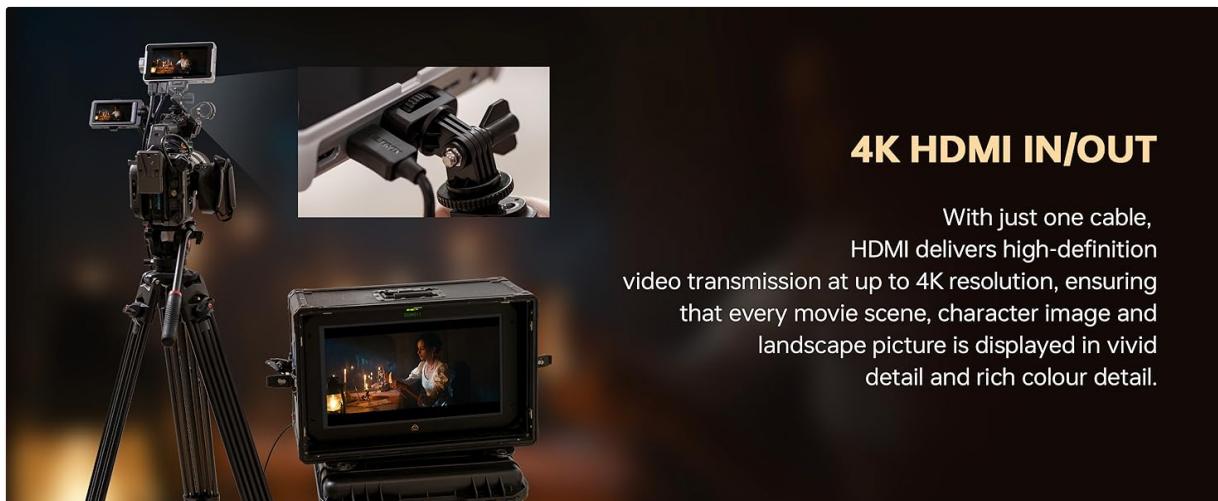
Attach the VL-550 Cold Shoe Adapter to the 1/4 screw hole (9) or locating hole (8) on the monitor. Then, mount the adapter onto your camera's hot shoe or a compatible rig.

3.3. Connecting to a Camera

Use the appropriate HDMI cable (HDMI to HDMI or Mini HDMI to HDMI) to connect your camera's HDMI output port to the monitor's **HDMI input** (12). The monitor supports 4K HDMI input/output.

3.4. Attaching the Sunshade Hood

The quick-release sunshade hood can be easily attached to the monitor to reduce glare and improve visibility in bright outdoor conditions.



3.5. Initial Language Setting

Upon first use, the menu language might be set to Chinese. Navigate through the menu using the **Knob key** (6) or touchscreen to find the language settings and switch to English for easier operation.

4. OPERATING THE MONITOR

4.1. Menu Navigation

The DC-V1 monitor can be operated using its touchscreen interface or the **Knob key** (6) and shortcut keys (F1/F2/F3).

- **Touchscreen:** Tap to select, swipe to navigate. Double-finger touchscreen drag can be used for image zoom.

- **Knob Key:** Rotate to scroll through options, press to confirm selection.
- **Shortcut Keys (F1/F2/F3):** These can be customized in the settings menu for quick access to frequently used functions.

4.2. Display Features and Tools

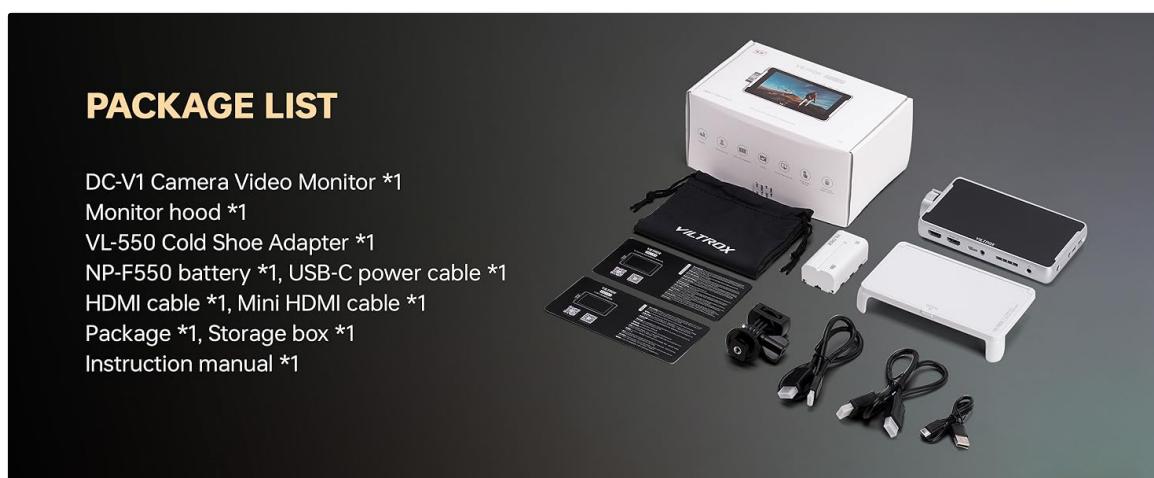
The monitor offers a range of professional monitoring tools:



- **3D LUT:** Import 3D LUTs via an SD card for precise color correction and creative color grading.



- **Zoom Function:** Magnify parts of the image for critical focus. Use touchscreen gestures or physical buttons.



- **Focus Peaking:** Highlights in-focus areas to assist with manual focusing.
- **Exposure (False Color/Zebra):** Visual aids to check exposure levels.

- **Histogram/Vectorscope/Waveform:** Graphical representations of video signal for precise adjustments.
- **Gridlines/Safe Area/Mark Ratio:** Composition guides.
- **Audio Column:** Displays audio levels.
- **Image Flip:** Flips the image horizontally or vertically.
- **Color Temperature:** Adjusts the color balance of the display.
- **Pixel to Pixel:** Displays the image at its native resolution without scaling.

4.3. Adjusting Brightness and Color

Access the display settings through the menu to adjust brightness (from 100nits to 400nits) and color profiles. For accurate colors, ensure the monitor is set to Rec.709 calibration standards. If colors appear washed out, try setting the picture mode to "Vivid" in the display settings.

4.4. Wide Viewing Angle

The 160-degree ultra-wide viewing angle ensures consistent image quality from various perspectives, making it suitable for collaborative viewing.



5. MAINTENANCE

5.1. Cleaning

- Use a soft, dry, lint-free cloth to clean the monitor screen and body.
- For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaning solution.
- Avoid using harsh chemicals, solvents, or abrasive materials, as they can damage the screen or finish.

5.2. Battery Care

- Charge the battery fully before first use.
- Store the battery in a cool, dry place when not in use.
- If the monitor will not be used for an extended period, remove the battery.

5.3. Storage

When not in use, store the monitor in its protective case or a clean, dry environment to prevent dust and damage.

6. TROUBLESHOOTING

- **No Signal Displayed:**

- Ensure the HDMI cable is securely connected to both the camera's output and the monitor's HDMI input.
- Verify that your camera's HDMI output is enabled and configured correctly.
- Try using a different HDMI cable to rule out cable malfunction.
- Check the monitor's input source settings to ensure HDMI is selected.

- **Audio Interference with Camera Mics:**

- The monitor's onboard speaker can sometimes cause interference. Turn the monitor's volume to 0 or use headphones for audio monitoring to eliminate this issue.

- **Settings Not Saving:**

- After making changes, ensure you properly exit the menu or confirm the settings to save them. Some settings may require a specific confirmation step.
- If the issue persists, try performing a factory reset (if available in the menu) and reconfigure your settings.

- **Washed Out Colors:**

- Access the monitor's picture settings and change the "Picture Mode" to "Vivid" or adjust color saturation and contrast manually to achieve desired results.
- Ensure your camera's color profile settings are compatible with the monitor's display.

- **Menu in Incorrect Language:**

- Navigate to the system settings or general settings menu to locate the "Language" option and select your preferred language (e.g., English).

7. SPECIFICATIONS

Feature	Specification
Model Number	DC-V1
Screen Size	5.5 Inches
Resolution	1920x1080
Refresh Rate	60Hz
Brightness	Adjustable 100-400 nits
Contrast Ratio	1000:1
Viewing Angle	160 Degrees
Color Space	Rec.709, sRGB
Connectivity	HDMI In/Out, USB-C
Power Input	DC 12-18V, USB-C 5V 3A

Feature	Specification
Battery Type	NP-F series Lithium Ion (included)
Product Dimensions	1"D x 6.5"W x 3.5"H (1 x 6.5 x 3.5 inches)
Item Weight	10.6 ounces

8. WARRANTY AND SUPPORT

8.1. Warranty Information

Please refer to the warranty card included in your product packaging or visit the official VILTROX website for detailed warranty terms and conditions. Keep your proof of purchase for warranty claims.

8.2. Customer Support

For technical assistance, troubleshooting not covered in this manual, or service inquiries, please contact VILTROX customer support through their official website or the contact information provided in your product documentation.