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VILTROX DC-L2

VILTROX DC-L2 7-inch Touchscreen Camera Field Monitor User Manual

Model: DC-L2

1. INTRODUCTION

This manual provides detailed instructions for the proper use and maintenance of your VILTROX DC-L2 7-inch Touchscreen Camera Field Monitor. The DC-L2 is designed to enhance your video production workflow with its high-resolution display, advanced monitoring tools, and versatile connectivity options. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- VILTROX DC-L2 7-inch Touchscreen Camera Field Monitor
- Sunshade Hood
- NP-F Type Battery
- Standard Shoe Adapter
- HDMI A-A Cable
- HDMI A-C Cable
- USB-C Cable
- Cloth Bag
- HD Screen Protector
- Warranty Card
- User Manual (this document)



Image: The VILTROX DC-L2 monitor shown with its complete set of accessories, including the sunshade, battery, cables, and mounting adapter.



Image: The back of the VILTROX DC-L2 monitor showing the battery plate with an NP-F battery inserted, and various ports including SDI and HDMI.

3.2 Connecting Video Sources

The DC-L2 supports both HDMI and SDI input/output.

1. **HDMI Connection:** Use the provided HDMI A-A or HDMI A-C cable to connect your camera's HDMI output to the monitor's HDMI IN port.
2. **SDI Connection:** For professional cameras, connect an SDI cable from your camera's SDI output to the monitor's SDI IN port.
3. **Loop Out:** The monitor also features HDMI OUT and SDI OUT ports, allowing you to loop the video signal to another monitor or device.

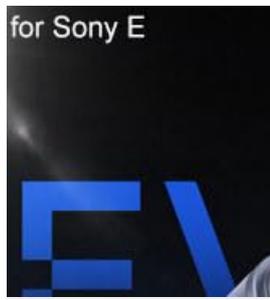


Image: The VILTROX DC-L2 monitor mounted on a camera rig, displaying a live feed, demonstrating its use in a production environment.

3.3 Mounting the Monitor

Attach the monitor to your camera rig or tripod using the standard shoe adapter or the 1/4"-20 threaded holes located on the bottom and side of the monitor.



Image: The VILTROX DC-L2 monitor securely mounted on a camera's hot shoe using the included adapter, showing its compact setup.

3.4 Attaching the Sunshade Hood

The sunshade hood helps reduce glare and improve screen visibility in bright conditions. Clip the sunshade onto the monitor's frame. It can also fold flat for storage.



Image: A hand demonstrating the attachment of the sunshade hood to the VILTROX DC-L2 monitor, highlighting its ease of use.

4. OPERATING THE MONITOR

4.1 Basic Operation

- **Power On/Off:** Press and hold the power button (usually on the side or top) to turn the monitor on or off.
- **Touchscreen Control:** The 7-inch IPS display is a touchscreen. Tap icons and swipe to navigate menus and adjust settings.
- **Shortcut Keys:** The monitor features customizable shortcut keys (F1-F4) on the top panel. These can be assigned to frequently used functions for quick access.

DC-L2 Camera Monitor

7-inch | IPS | Touch screen



Image: The VILTROX DC-L2 monitor displaying its graphical user interface with various monitoring tools and settings accessible via touchscreen.

4.2 Advanced Monitoring Tools

The DC-L2 integrates a suite of professional monitoring features:

- **Waveform:** Displays the luminance and chrominance levels of your video signal, aiding in exposure and color correction.
- **Histogram:** Provides a graphical representation of the tonal distribution in your image, helping to prevent clipping of highlights and shadows.
- **Focus Peaking:** Highlights in-focus areas with a selectable color, assisting with precise manual focusing.
- **False Color:** Assigns different colors to specific exposure levels, allowing for quick and accurate exposure adjustments.
- **3D LUT:** Supports loading custom 3D Look-Up Tables for on-set color grading and previewing final looks.
- **De-squeeze:** Corrects the aspect ratio for anamorphic lenses.
- **Zebra Pattern:** Indicates overexposed areas with a striped pattern.

- **Monochrome:** Displays the image in black and white for evaluating contrast and composition.
- **Flip/Mirror:** Adjusts the image orientation for various mounting configurations.
- **Frame Freeze:** Captures and holds a single frame for detailed analysis.



Image: The VILTROX DC-L2 monitor screen showing multiple professional monitoring tools active, such as waveform, vectorscope, and histogram, overlaid on the video feed.

5. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, a screen cleaning solution designed for electronics can be used sparingly. Avoid harsh chemicals.
- **Cleaning the Body:** Wipe the monitor body with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the monitor in a dry, dust-free environment, preferably in its protective cloth bag. Remove the battery if storing for extended periods.
- **Temperature:** Avoid exposing the monitor to extreme temperatures or high humidity.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Monitor does not power on.	Battery is depleted or not inserted correctly. Power cable is loose or faulty.	Ensure battery is charged and properly seated. Check power cable connections. Try a different power source.
No video signal displayed.	Incorrect input source selected. Cable is loose or faulty. Camera output settings are incorrect.	Verify the correct input (HDMI/SDI) is selected in the monitor's menu. Check cable connections. Confirm camera is outputting video.
Touchscreen is unresponsive.	Temporary software glitch. Screen is dirty.	Restart the monitor. Clean the screen surface.
Image is distorted or colors are incorrect.	Incorrect display settings. Faulty cable.	Reset display settings to default. Try a different HDMI/SDI cable. Check camera's video output settings.

7. SPECIFICATIONS

Feature	Detail
Model	DC-L2
Screen Size	7 Inches (18 cm diagonal)

Feature	Detail
Resolution	1280 x 800
Brightness	600 Nits
Contrast Ratio	1000:1
Viewing Angle	170° Ultra-wide IPS
Color Depth	8-Bit
Color Coverage	sRGB/Rec.709
Refresh Rate	60Hz
Video Input/Output	4K 60Hz SDI + HDMI Input/Output
Power Options	NP-F Battery, DC Input, Type-C USB
Item Weight	13.4 ounces (approximately 380g)
Dimensions	12.2 x 7.09 x 3.54 inches (Package Dimensions)

8. WARRANTY AND SUPPORT

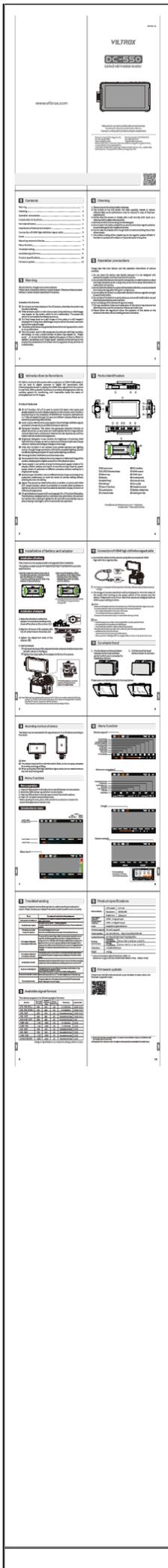
For warranty information, please refer to the warranty card included in your package. For technical support, product inquiries, or to report issues, please contact VILTROX customer service through their official website or the retailer where the product was purchased.

VILTROX Official Website: www.viltrox.com



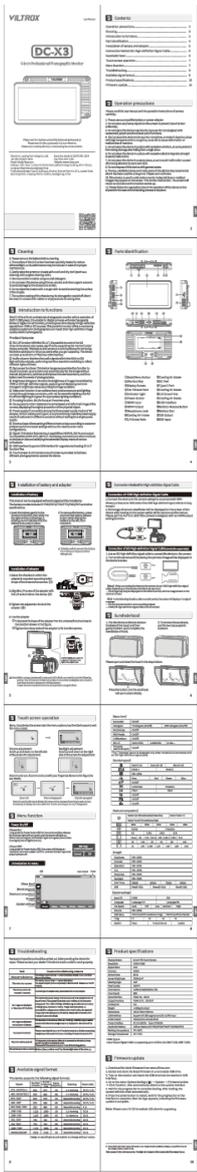
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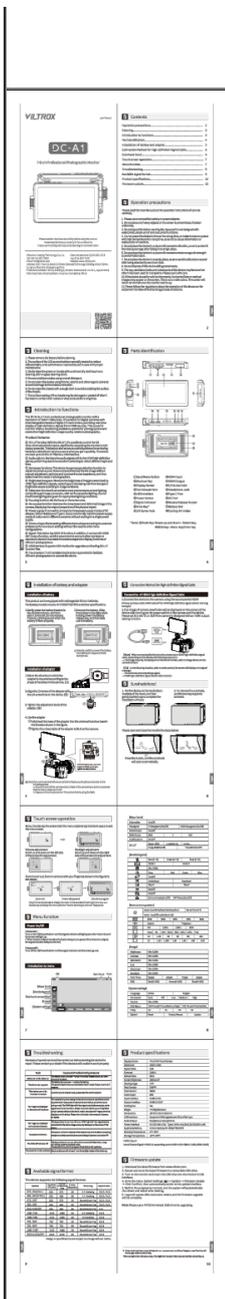
[Viltrox DC-550 5.5-inch HD Portable Monitor User Manual](#)

User manual for the Viltrox DC-550, a 5.5-inch HD portable monitor with 1920x1080 resolution, featuring 3D LUT, audio monitoring, gyroscope, brightness histogram, false color, focus peaking, de-squeeze, multiple power options, and shortcut keys. Includes installation, operation, menu functions, troubleshooting, specifications, and available signal formats.



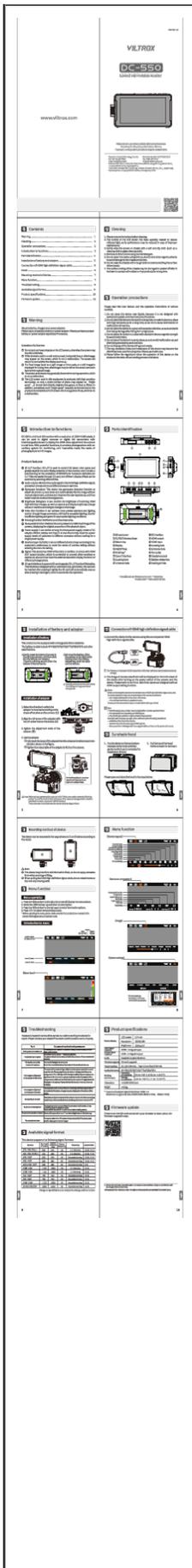
[Viltrox DC-X3 6-Inch Professional Camera Monitor User Manual](#)

This manual provides comprehensive instructions for the Viltrox DC-X3, a 6-inch professional camera monitor. It covers features like 3D LUT, audio monitoring, gyroscope function, brightness histogram, false color, focus assist, and more. Learn about component identification, battery installation, signal connections, touchscreen operation, menu functions, troubleshooting, available signal formats, product specifications, and firmware updates.



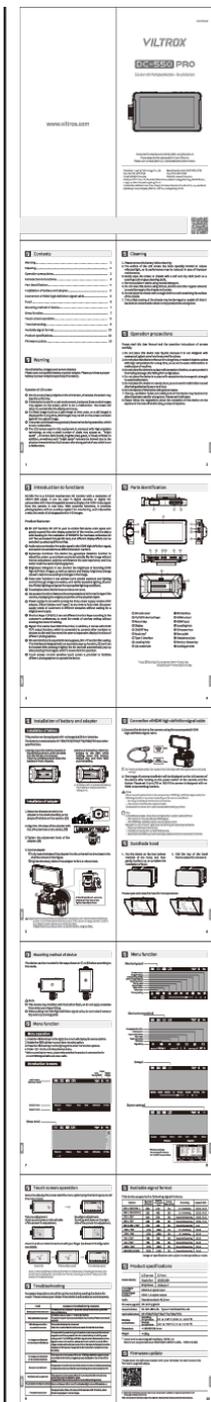
[Viltrox DC-A1 7-Inch Professional Photography Monitor User Manual](#)

This manual provides detailed instructions for the Viltrox DC-A1, a 7-inch professional photography monitor. It covers setup, features, operation, troubleshooting, and specifications for optimal use in photography and videography.



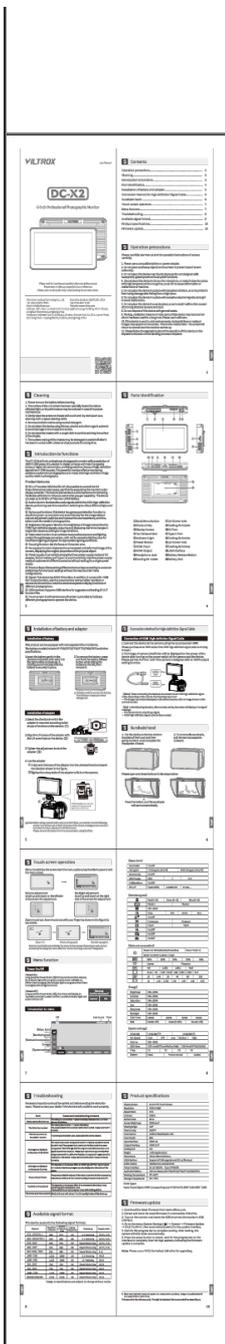
[Viltrox DC-550 5.5-inch HD Portable Monitor User Manual](#)

User manual for the Viltrox DC-550, a 5.5-inch HD portable monitor. This guide covers installation, operation, menu functions, troubleshooting, and specifications for the monitor, designed for use with digital cameras and camcorders.



[Viltrox DC-550 PRO 5.5-inch HD Portable Touchscreen Monitor User Manual](#)

This user manual provides detailed instructions for the Viltrox DC-550 PRO, a 5.5-inch HD portable touchscreen monitor. Learn about its features, setup, operation, menu functions, troubleshooting, and specifications.



[Viltrox DC-X2 6-inch Professional Photography Monitor User Manual](#)

This user manual provides detailed instructions for the Viltrox DC-X2, a 6-inch professional photography monitor. It covers features such as 3D LUT, audio columns, gyroscope function, brightness histogram, false color, focus assist, and more. Learn about installation, operation, troubleshooting, and specifications.