

VILTROX DC-X2 Video Field Monitor User Manual

Model: DC-X2 (4K HDMI)

Brand: VILTROX

1. INTRODUCTION

The VILTROX DC-X2 is a high-brightness 6-inch touchscreen video field monitor designed for professional videography and photography. It features a 2000nit display for clear visibility in various lighting conditions, 4K HDMI input/output, and a suite of advanced monitoring tools such as 3D Lut, RGB Parade, and Focus Peaking. This manual provides detailed instructions for the proper setup, operation, and maintenance of your DC-X2 monitor.

2. SAFETY INFORMATION

- Do not expose the monitor to water or excessive humidity.
- Avoid dropping or subjecting the monitor to strong impacts.
- Do not attempt to disassemble or repair the monitor yourself. Refer to qualified service personnel.
- Use only VILTROX-approved accessories and power sources.
- Keep the monitor away from strong magnetic fields.
- Ensure proper ventilation to prevent overheating, especially during extended use.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- VILTROX DC-X2 Monitor
- NP-F550 Battery x1
- VL-550 Custom Ball Head x1
- Quick-release sunhood
- HDMI-HDMI Cable x1
- Mini-HDMI Cable x1
- Carry Case



Image: The VILTROX DC-X2 monitor shown with its standard accessories, including the NP-F550 battery, ball head, sunhood, and cables.

4. PRODUCT OVERVIEW

The DC-X2 monitor features a robust design with intuitive controls and versatile connectivity options.

4.1 Front Panel (Display)

The front features a 6-inch Full HD 1920x1080 IPS touchscreen display with 2000 Nits brightness for excellent outdoor visibility.

4.2 Top Panel (Controls)

The top panel houses the power button, return button, and four customizable function buttons (F1, F2, F3, F4) for quick access to frequently used features.



Image: A close-up view of the top edge of the VILTROX DC-X2 monitor, highlighting the power button, return button, and the F1, F2, F3, F4 customizable function buttons.

4.3 Rear Panel (Battery Mount & Cooling)

The rear panel includes the NP-F series battery plate for power and an efficient silent fan with active cooling to maintain optimal operating temperature.



Image: The rear side of the VILTROX DC-X2 monitor, showing the mounted NP-F battery and the heat dissipation design.

4.4 Side Panels (Ports & Mounts)

The side panels feature various input/output ports and mounting points:

- **HDMI IN:** For video signal input (supports up to 4K 30Hz).
- **HDMI OUT:** For video signal loop output.
- **DC IN:** For external power supply.
- **USB-C:** For power input.
- **USB-A:** For LUT import via USB drive.
- **3.5mm Audio Out:** For headphone monitoring.
- **1/4"-20 Threaded Mounts:** Two mounting points (bottom and side) for attaching to camera rigs or accessories.



Image: A side view of the VILTROX DC-X2 monitor, illustrating the 1/4-20 threaded mounting point and various input/output ports.

5. SETUP

5.1 Attaching the Battery

Slide the provided NP-F550 battery onto the battery plate on the rear of the monitor until it clicks into place. Ensure it is securely fastened.

5.2 Mounting the Monitor

Attach the VL-550 Custom Ball Head to one of the 1/4"-20 threaded mounts on the monitor (bottom or

side). Secure the ball head to your camera's hot shoe or a compatible rig. Adjust the angle as needed.



Image: The VILTROX DC-X2 monitor securely mounted on a camera rig, demonstrating its integration into a professional setup.

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Video: This video demonstrates how to adjust the monitor's angle after installation, showcasing the flexibility of its mounting system.

5.3 Connecting to a Camera

Use the provided HDMI-HDMI or Mini-HDMI cable to connect your camera's HDMI output to the HDMI IN port on the DC-X2 monitor.

5.4 Attaching the Sunhood

The quick-release sunhood can be easily attached to the monitor's frame to reduce glare in bright outdoor conditions. It also serves as a screen protector when folded.



Image: The VILTROX DC-X2 monitor with its quick-release sunhood deployed, providing shade for improved visibility in bright environments.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press and hold the power button on the top panel to turn the monitor on or off. A green indicator light will illuminate when the monitor is powered on.

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Video: This video demonstrates the basic power on and off sequence of the VILTROX DC-X2 monitor, including initial menu navigation.

6.2 Touchscreen Navigation

The DC-X2 features an intuitive touchscreen interface. Tap to select options, swipe to navigate menus, and pinch-to-zoom for detailed image inspection.



Image: A hand demonstrating touchscreen interaction on the VILTROX DC-X2 monitor, showing the ease of navigating its interface.

6.3 Using Function Buttons (F1-F4)

The F1-F4 buttons are customizable shortcuts. You can assign frequently used functions (e.g., Focus Peaking, 3D Lut, Histogram) to these buttons via the monitor's menu for quick access during shooting.

6.4 Advanced Monitoring Features

The DC-X2 offers a comprehensive suite of monitoring tools:

- **3D Lut:** Import and apply custom LUTs via the USB-A port for accurate color grading preview.

- **RGB Parade:** Visualize the distribution of red, green, and blue color channels.
- **Focus Peaking:** Highlights in-focus areas for precise manual focusing.
- **Waveform:** Displays luminance levels across the image.
- **Vectorscope:** Shows color hue and saturation.
- **Histogram:** Provides a graphical representation of tonal distribution.



Image: The VILTROX DC-X2 monitor screen showing various professional monitoring tools, including Y Histogram and RGB Histogram, for detailed video analysis.

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Video: A comprehensive overview of the Viltrox DC-X2/X3 monitor, detailing its functions, settings, and screen capabilities for professional use.

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Video: This video showcases the Viltrox DC-X2/X3 monitor in action with the AF 35mm F1.2 LAB lens, demonstrating its practical application for photographers.

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Video: A brief demonstration of the Viltrox DC-X2 camera monitor in use, highlighting its compact size and functionality.

7. MAINTENANCE

- Cleaning the Screen:** Use a soft, lint-free cloth specifically designed for electronics to clean the touchscreen. Do not use abrasive cleaners or solvents.
- Cleaning the Body:** Wipe the monitor body with a dry, soft cloth.
- Cooling Fan:** Periodically check the cooling fan vents for dust accumulation. Use a soft brush or compressed air to gently clear any obstructions.
- Storage:** When not in use, store the monitor in its provided carry case to protect it from dust, scratches, and impacts. Remove the battery if storing for extended periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Monitor does not power on.	Battery is low or not inserted correctly. External power not connected.	Charge or replace battery. Ensure external power adapter is securely connected.
No signal displayed.	HDMI cable loose or faulty. Camera output settings incorrect.	Check HDMI cable connection. Verify camera's HDMI output settings (resolution, frame rate). Try a different HDMI cable.
Touchscreen unresponsive.	Temporary software glitch.	Restart the monitor. Ensure screen is clean and free of debris.
Monitor overheats.	Poor ventilation. Extended use in high temperatures.	Ensure cooling vents are clear. Operate in a well-ventilated area. Reduce brightness if possible.

9. SPECIFICATIONS

Feature	Specification
Display Size	6 inches
Resolution	1920 x 1080 (Full HD)
Brightness	2000 Nits
Contrast Ratio	1000:1
Viewing Angle	160°
Input/Output	HDMI In/Out (up to 4K 30Hz)
Power Input	NP-F Battery, DC In, USB-C
Dimensions	12.01 x 6.69 x 2.95 inches
Weight	2.83 pounds

10. WARRANTY AND SUPPORT

VILTROX products are designed and manufactured to the highest quality standards. For warranty information and technical support, please refer to the official VILTROX website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, visit: www.viltrox.com

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