

VILTROX FSDC-90HD

VILTROX DC-70 II 7-inch Camera Video Monitor User Manual

Model: FSDC-90HD | Brand: VILTROX

1. INTRODUCTION

The VILTROX DC-70 II is a 7-inch full HD camera monitor designed to enhance your video production workflow. Featuring a 1024x600 high-resolution display, tight pixel density, and high brightness, it delivers excellent image quality and a professional visual experience. This monitor serves as an external display for various cameras, including DSLRs, mirrorless cameras, and digital camcorders, transmitting real-time 4K video signals.



The VILTROX DC-70 II monitor provides professional monitoring, designed to restore standard colors for accurate visual feedback during shooting.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- VILTROX DC-70 II 7-inch Camera Video Monitor
- Sunshade Hood
- NP-F550 Battery
- Battery Charging Cable (USB)
- Standard Cold Shoe Adapter



The VILTROX DC-70 II monitor kit includes the 7-inch monitor, a detachable sunshade, an NP-F550 battery, and a USB charging cable.

3. PRODUCT FEATURES

The VILTROX DC-70 II monitor offers a range of features designed for professional video monitoring:

- **7-inch Full HD Display:** 1024x600 resolution with high brightness for clear visuals.
- **Professional Monitoring Functions:** Includes Color Temperature Settings, False-color, Peaking Focus Assist,

Histogram, Monochrome, Zooming Pixel, Safe Frames, Image Flip, Check Field, and Pixel to Pixel.

- **Versatile Connectivity:** HDMI input/output, AV input, headphone jack, and USB update port for broad compatibility.
- **Dual Power Options:** Can be powered by an AC adapter or the included NP-F550 battery.
- **Wide View Angle IPS LCD Panel:** Ensures excellent visibility from various angles.
- **Removable Sunshade:** Reduces glare in bright conditions and protects the screen during transport.
- **Standard 1/4" Hot Shoe Mount:** Allows for flexible mounting on cameras and rigs.



The image shows a Viltrox DC-70 II 4K monitor mounted on a camera. The monitor's screen displays a vibrant scene of three surfers riding a wave. The monitor is black with a silver 'VILTROX' logo at the bottom. The background of the entire advertisement is a blurred image of the same surfing scene.

**7-inch IPS
4K HD display**

Ultra HD 1280x800 Resolution
with 1200:1
Color Contrast Ratio

Zoom in Focus assist Pixel to pixel

PAL-4.43 / NTSC-3.58
Video color system

Equipped with a 7-inch IPS 4K HD display, the monitor offers an Ultra HD 1280x800 resolution with a 1200:1 color contrast ratio, supporting features like zoom in, focus assist, and pixel to pixel.

4. SETUP

4.1 Mounting the Monitor

Attach the monitor to your camera, rig, or stabilizer using the provided standard cold shoe adapter. The adapter allows for multi-directional adjustment to achieve optimal viewing angles.

Standard 1/4" Hot Shoe Mount

Support SLR / camera / micro-single / handheld stabilizer, etc



The monitor features a standard 1/4 inch hot shoe mount, enabling attachment to DSLRs, cameras, micro-single cameras, or handheld stabilizers for versatile use.

4.2 Powering the Monitor

The DC-70 II monitor can be powered in two ways:

- **AC Adapter:** Connect an appropriate AC adapter (not included) to the DC IN port for continuous power.
- **Battery:** Insert the included NP-F550 lithium-ion battery into the battery bay. Use the provided USB charging cable to recharge the battery.

4.3 Connecting Video Sources

Connect your camera or video source to the monitor using an HDMI cable (not included) to the HDMI IN port. The monitor supports 4K video signals. An AV input is also available for older devices.



Dual power supply system
Adapter-powered / lithium battery-powered; adapter-powered to avoid replacing the battery, lithium battery for out-of-home shooting (includes NP-F550 battery)



Sun Hood
Sun hood can keep the light out, and is more applicable for different environments



Rotatable Angle
360° adjustable hot shoe allows you to change the angle smoothly while shooting



Support 4K HDMI input/output
Connect various camera devices such as 4K cameras







HDMI

This diagram details the monitor's versatile power options, the protective sun hood, the 360-degree adjustable hot shoe for flexible viewing angles, and its support for 4K HDMI input and output for connecting various camera devices.

5. OPERATING INSTRUCTIONS

The DC-70 II monitor features intuitive controls for accessing its various functions. Use the menu function keys (labeled 4 in the dimensions diagram) to navigate and adjust settings.

5.1 Basic Operation

- **Power On/Off:** Use the power switch (labeled 1 in the dimensions diagram) to turn the monitor on or off.
- **Menu Navigation:** Press the menu button to access the on-screen display (OSD) menu. Use the directional buttons to navigate and select options.

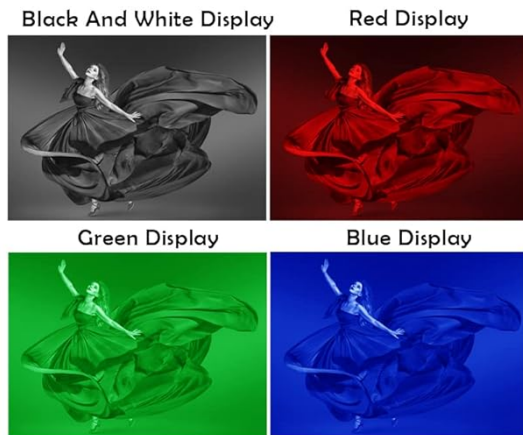
5.2 Advanced Monitoring Functions

Access these functions through the OSD menu to optimize your monitoring experience:

- **Peaking Focus Assist:** Highlights in-focus areas to aid in precise manual focusing.
- **False-color:** Displays exposure levels using a spectrum of colors, helping to identify over- or under-exposed areas.
- **Histogram:** Provides a graphical representation of the tonal distribution in your image.
- **Monochrome:** Switches the display to black and white, or specific color channels (red, green, blue) for detailed analysis.

Quickly Adjust Screen Saturation

Auxiliary adjustment of camera color settings, can switch red, green, blue or black and white to drive pixels



Monochrome Display



Image Zoom

The shooting screen can be zoomed in by 2 times, 3 times, 4 times, and 5 times to monitor the local details of the shooting screen

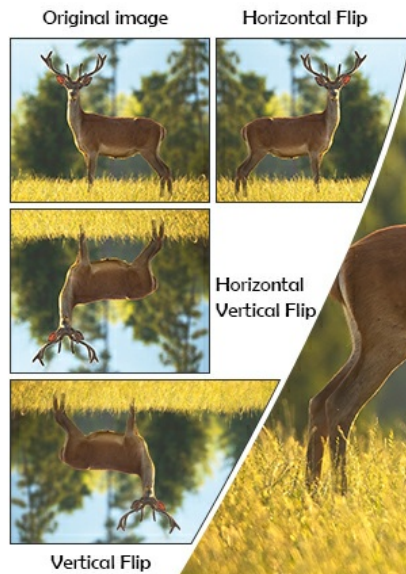


The monitor supports auxiliary adjustment of camera color settings, allowing display in monochrome, red, green, or blue to drive pixels. This feature aids in precise color monitoring.

- **Zooming Pixel:** Magnifies a portion of the screen to check fine details.
- **Safe Frames:** Displays guides for various aspect ratios and safe areas for broadcast.
- **Image Flip:** Flips the image horizontally, vertically, or both, useful for different mounting orientations.

Image flip function

Meet a variety of installation and monitoring needs; It can achieve horizontal and vertical flip, support tripod, magic hand and stabilizer, such as multi-angle installation



The image flip function allows for horizontal and vertical flipping of the display, accommodating various installation and monitoring needs, such as tripod, magic arm, or stabilizer setups.

- **Check Field:** Displays only red, green, or blue channels, or monochrome, to check color calibration.
- **Pixel to Pixel:** Displays the image at its native resolution without scaling, useful for critical focus and detail checking.

6. MAINTENANCE

To ensure the longevity and optimal performance of your VILTROX DC-70 II monitor, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth specifically designed for electronics screens. Do not use harsh chemicals or abrasive materials.
- **Cleaning the Body:** Wipe the monitor's body with a soft, dry cloth. Avoid moisture near ports.
- **Storage:** When not in use, store the monitor in a dry, cool place, away from direct sunlight and extreme temperatures. Use the sunshade to protect the screen during travel.
- **Battery Care:** Fully charge the battery before first use. For long-term storage, charge the battery to approximately 50% and store it separately from the monitor.

7. TROUBLESHOOTING

If you encounter issues with your VILTROX DC-70 II monitor, refer to the following common problems and solutions:

- **No Power:**
 - Ensure the battery is correctly inserted and charged, or the AC adapter is securely connected.

- Check the power switch is in the 'ON' position.

- **No Video Signal:**

- Verify that the HDMI or AV cable is securely connected to both the camera and the monitor.
- Confirm the camera is outputting a video signal and is set to the correct output resolution.
- Ensure the monitor's input source is correctly selected in the menu.

- **Image Quality Issues (e.g., blurry, incorrect colors):**

- Adjust the monitor's brightness, contrast, and color settings in the OSD menu.
- Check the camera's output settings.
- If using Peaking Focus Assist, ensure your lens is properly focused.

- **Buttons Not Responding:**

- Restart the monitor.
- Ensure no debris is obstructing the buttons.

If the problem persists after attempting these solutions, please contact VILTROX customer support.

8. SPECIFICATIONS

Detailed technical specifications for the VILTROX DC-70 II monitor:

Dimensions & Details display

21.5mm Thickness

480g lightweight



- 1 switch
- 2 1/4 screw
- 3 USB interface
- 4 Menu function keys
- 5 AV interface
- 6 1/4 screw
- 7 headphone jack
- A HDMI input interface
- B HDMI output interface
- C DC power interface
- D trumpet
- E Battery bay
- F battery release button

This diagram provides a detailed view of the monitor's physical dimensions and its various interfaces, such as HDMI input/output, AV interface, USB port, headphone jack, and battery bay with release button.

Feature	Specification
Model Number	FSDC-90HD
Screen Size	7 Inches
Display Type	IPS LCD
Resolution	1024 x 600 (HD)
Aspect Ratio	16:9
Image Brightness	1000 Cd/m2
Video Input	HDMI, AV
Video Output	HDMI

Feature	Specification
Audio Output	Headphone Jack
Update Port	USB
Power Source	AC Adapter (not included), NP-F550 Battery (included)
Item Weight	2.4 pounds
Package Dimensions	9.17 x 8.39 x 2.95 inches
First Available Date	April 18, 2018

9. WARRANTY AND SUPPORT

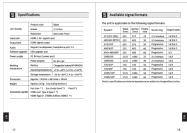
VILTROX products typically come with a limited warranty. Please refer to the warranty card included with your product or visit the official VILTROX website for detailed warranty terms and conditions.

For technical support, service, or inquiries, please contact VILTROX customer service through their official channels. Contact information can usually be found on the product packaging or the VILTROX website.

Related Documents


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

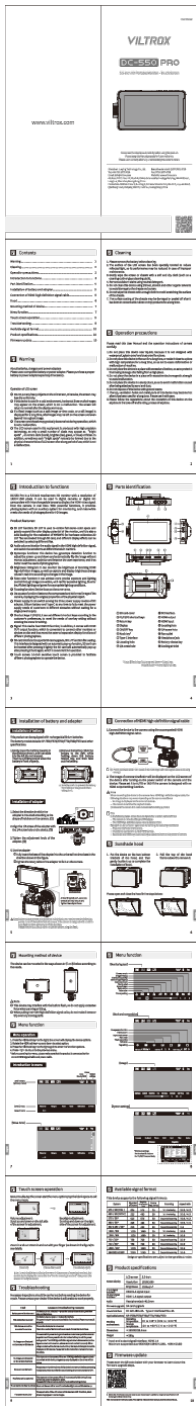
This user manual provides detailed instructions for the Viltrox DC-550 Pro, a 5.5-inch touchscreen HD monitor with a resolution of 1920x1080 pixels. It covers features, operation, installation, troubleshooting, and specifications for professional photography and videography.



[Viltrox DC-50 Monitor Specifications and Signal Formats](#)

Detailed specifications for the Viltrox DC-50 on-camera monitor, including LCD display details, input/output jacks, power supply, working temperature, dimensions, weight, and accessories. Also lists available signal formats with system, lines, frame rate, scanning, and aspect ratio.

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

Comprehensive user manual for the Viltrox DC-550 PRO 5.5-inch HD portable touchscreen monitor, covering installation, operation, and troubleshooting.

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