

NEEWER FW600

NEEWER FW600 5.5-Inch Touch Screen Camera Field Monitor User Manual

Model: FW600

[Introduction](#) [Safety Information](#) [Package Contents](#) [Product Overview](#) [Setup](#) [Operating](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

The NEEWER FW600 is a 5.5-inch Full HD 1920x1080 touch screen camera field monitor designed to enhance your video production workflow. It features 4K HDMI input/output, RGB waveform, vector scope, 3D-LUT support, and various video peaking focus assist functions. This manual provides detailed instructions for setup, operation, and maintenance of your FW600 monitor.

2. SAFETY INFORMATION

- Do not expose the monitor to rain or moisture to avoid electric shock or fire.
- Avoid direct sunlight exposure for extended periods, especially when not in use.
- Do not disassemble the unit. Refer all servicing to qualified personnel.
- Use only power adapters and batteries specified by the manufacturer.
- Keep the monitor away from strong magnetic fields.
- Clean the screen with a soft, dry cloth. Avoid using liquid cleaners.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- NEEWER FW600 5.5-Inch Monitor
- Sun Shade
- Tilt Arm

- Microfiber Cloth
- U Disk (USB Flash Drive)
- HDMI Micro Cable
- Mini HDMI Cable
- OTG Cable
- USB Cable

Accessories



Sun Shade



Tilt Arm



Microfiber Cloth



U Disk



HDMI Micro Cable



Mini HDMI Cable



OTG Cable



USB Cable

Image: NEEWER FW600 Monitor and its complete set of accessories, including sun shade, tilt arm, cables, and U disk.

4. PRODUCT OVERVIEW

The FW600 monitor features a compact design with essential ports for connectivity and power. Understanding the layout

of these components is crucial for proper operation.

4K HDMI INPUT/LOOP-OUT

Supporting virtually all 4K formats, FW600 monitor can be connected directly to any DSLR or HD/4K video cameras, and output HDMI signals without transmission delay.

-Note:Only Fw600 5.5inch Touch Camera Monitor Is Included.-



Battery Plate

Compatibility with SONY NP-F550 NP-F970 battery, providing long-time working condition for filmmakers.



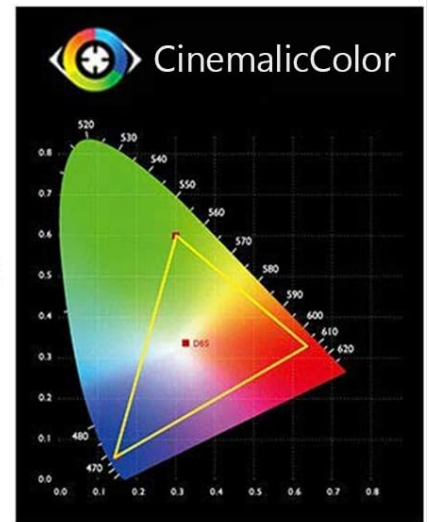
Image: Side view of the NEEWER FW600 monitor, highlighting the HDMI IN, HDMI OUT, DC IN, 8V DC OUT, 3.5mm Earphone Slot, and USB Upgrade port.

4.1. Ports and Controls

- **HDMI IN:** Connects to your camera's HDMI output for video signal input.
- **HDMI OUT:** Provides a loop-out signal to another monitor or device.
- **DC IN:** Power input for external power sources (e.g., AC adapter, not included).
- **8V DC OUT:** Power output to power compatible camera accessories.
- **3.5mm Earphone Slot:** For audio monitoring.
- **USB Upgrade:** Used for firmware updates and 3D-LUT loading.
- **Battery Plate:** Located on the rear, compatible with Sony NP-F550/F970 series batteries.

3D-LUT TOOLS

3D-LUT tools is designed for professional color grading, making the color calibration easier and more intuitive.



Users can use the included OTG data cable and USB flash disk to connect to the MicroUSB interface of the FW600 to use the 3D-LUT.



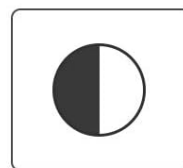
Screen Diagonal



450 cd / m2 High Brightness



1920x1080 Resolution



1000:1 Contrast Ratio



Wide Viewing Angle

Image: Front and side view of the NEEWER FW600 monitor, showcasing its 5.5-inch screen and various ports.

5. SETUP

5.1. Mounting the Monitor

The FW600 monitor can be mounted using the included tilt arm or other compatible mounting solutions.

1. Attach the tilt arm to the 1/4"-20 screw hole on the side of the monitor.
2. Secure the tilt arm to your camera's hot shoe or a cage using its cold shoe mount.
3. Adjust the angle of the monitor for optimal viewing.



Image: The NEEWER FW600 monitor integrated into a camera gimbal setup, demonstrating its use for video assist.

5.2. Powering the Monitor

The FW600 can be powered by an NP-F series battery or an external DC power source.

- **Using an NP-F Battery:** Slide a compatible Sony NP-F550/F970 battery onto the battery plate on the rear of the monitor until it clicks into place.
- **Using DC Power:** Connect a compatible DC power adapter (not included) to the "DC IN" port.

5.3. Connecting to a Camera

Connect your camera to the monitor using an HDMI cable.

1. Ensure both the camera and monitor are powered off.
2. Connect one end of the HDMI Micro Cable or Mini HDMI Cable (depending on your camera's port) to your camera's HDMI output.
3. Connect the other end of the cable to the "HDMI IN" port on the FW600 monitor.

4. Power on the monitor, then power on your camera. The camera's video feed should appear on the monitor.

6. OPERATING THE MONITOR

6.1. Basic Operation and Menu Navigation

The FW600 features a touch screen for intuitive control. Tap the screen to access the main menu and adjust settings.



Image: The touch screen interface of the NEEWER FW600, displaying various menu options for exposure assist, focus, composition, LUT config, display settings, and system configuration.

6.2. Key Features and Functions

The FW600 offers a range of professional monitoring tools:

- **3D-LUT:** Load custom 3D Look-Up Tables for accurate color grading preview. Use the included U Disk and OTG cable to transfer LUT files.
- **Waveform:** Displays the luminance and chrominance levels of your video signal, aiding in exposure control.
- **Vector Scope:** Visualizes the color information of your image, helping to ensure accurate color balance.
- **Peaking Focus Assist:** Highlights in-focus areas with a selectable color, making it easier to achieve sharp focus.
- **False Color:** Assigns false colors to different exposure levels, providing a quick visual guide for correct exposure.
- **Zebra:** Overlays stripes on areas exceeding a set exposure threshold, indicating overexposed regions.
- **Histogram:** Shows the distribution of tonal values (brightness) in your image.
- **Zoom:** Magnifies a portion of the image for critical focus checking.
- **Image Flip:** Flips the image horizontally or vertically, useful for various mounting orientations.



Image: The NEEWER FW600 monitor showcasing its 3D-LUT tools for professional color grading and calibration, along with a color gamut diagram.

6.3. Brightness Adjustment

The monitor features 450 cd/m² brightness, suitable for various lighting conditions. Adjust the brightness via the on-screen menu for optimal viewing.



Image: A visual comparison demonstrating the effect of brightness adjustment, highlighting the monitor's 450cd/m² brightness for clear visibility.

6.4. Official Product Video

Watch this official video for a visual guide on the NEEWER FW600 Monitor's features and operation.

Your browser does not support the video tag.

Video: An official product video demonstrating the features and usage of the NEEWER FW600 Monitor.

7. MAINTENANCE

- **Cleaning:** Use the provided microfiber cloth to gently wipe the screen and body of the monitor. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the monitor in a dry, dust-free environment. Use the sun shade to protect the screen during transport.
- **Battery Care:** If using batteries, remove them during long periods of inactivity to prevent leakage.

8. TROUBLESHOOTING

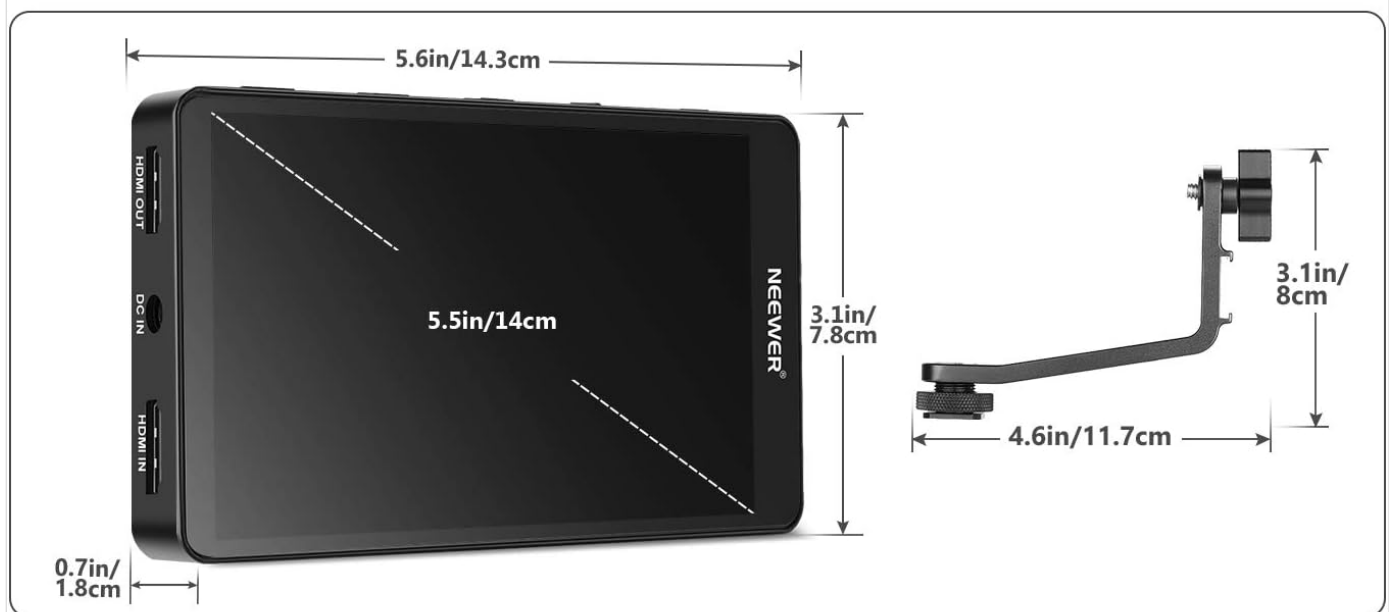
Problem	Possible Cause	Solution
No image on screen.	Monitor not powered on; HDMI cable loose or incorrect input selected; camera not outputting signal.	Ensure monitor is powered on. Check HDMI cable connection. Verify camera HDMI output settings. Select correct input source on monitor.
Image is distorted or flickering.	Faulty HDMI cable; incompatible resolution/frame rate; interference.	Try a different HDMI cable. Adjust camera output resolution/frame rate to match monitor's supported modes (up to 4K 30Hz). Move away from strong electromagnetic sources.
Touch screen unresponsive.	Temporary software glitch; screen dirty.	Restart the monitor. Clean the screen with a microfiber cloth.
Monitor overheats and shuts off.	Prolonged use in high temperatures; poor ventilation.	Allow the monitor to cool down. Operate in a well-ventilated area. Reduce screen brightness if possible.
Cannot load 3D-LUTs.	Incorrect file format; USB connection issue.	Ensure LUT files are in a compatible format (e.g., .cube). Verify the OTG cable and U Disk connection. Refer to the specific LUT loading instructions in the monitor's full manual (if available).

9. SPECIFICATIONS

Feature	Detail
Screen Size	5.5 Inches
Resolution	1920x1080 (FHD 1080p)
Display Type	LCD, IPS Panel
Brightness	450 cd/m ²
Contrast Ratio	2000:1
Viewing Angle	160 Degrees
Aspect Ratio	16:10, 16:9, 4:3

Feature	Detail
Refresh Rate	60 Hz
Connectivity	HDMI In, HDMI Out, DC In, 8V DC Out, 3.5mm Earphone, USB Upgrade
Power Input	DC 7-24V (NP-F battery or external DC)
Dimensions (D x W x H)	0.7"D x 5.6"W x 3.1"H (1.8cm x 14.3cm x 7.8cm)
Weight	Approximately 158g (without battery)
Special Features	Touchscreen, 3D-LUT, Waveform, Vector Scope, Histogram, Peaking Focus, False Color, Zebra, Zoom, Image Flip

LIGHTWEIGHT & COMPACT



MULTI-USE: IDEAL FOR CAMERA, GLIDECAM, STABILIZER



-Note: Only Fw600 5.5inch Touch Camera Monitor Is Included.-

Image: Dimensional diagram of the NEEWER FW600 monitor, illustrating its compact and lightweight design.

10. WARRANTY & SUPPORT

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

Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact NEEWER customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your product model (FW600) and purchase details ready.

Official NEEWER Website: www.neewer.com

