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FEELWORLD FW703

FEELWORLD FW703 7-Inch Monitor User Manual

Model: FW703 | Brand: FEELWORLD

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your FEELWORLD FW703 7-inch IPS 3G SDI 4K HDMI DSLR Monitor. Please read this manual thoroughly before using the device to ensure proper functionality and safety.
The FEELWORLD FW703 is a high-resolution field monitor designed for professional photography and videography. It features a 1920x1200 IPS display, versatile input/output options including 3G-SDI and 4K HDMI, and a suite of broadcast-quality monitoring tools.

2. Package Contents

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

- 1 × FEELWORLD FW703 Monitor
- 1 × Mini HDMI Cable
- 1 × Sunshade
- 1 × Hot Shoe Mount
- 1 × F970 Battery Plate
- 1 × Operation Manual (this document)

Note: Battery and power adapter are not included in the package.

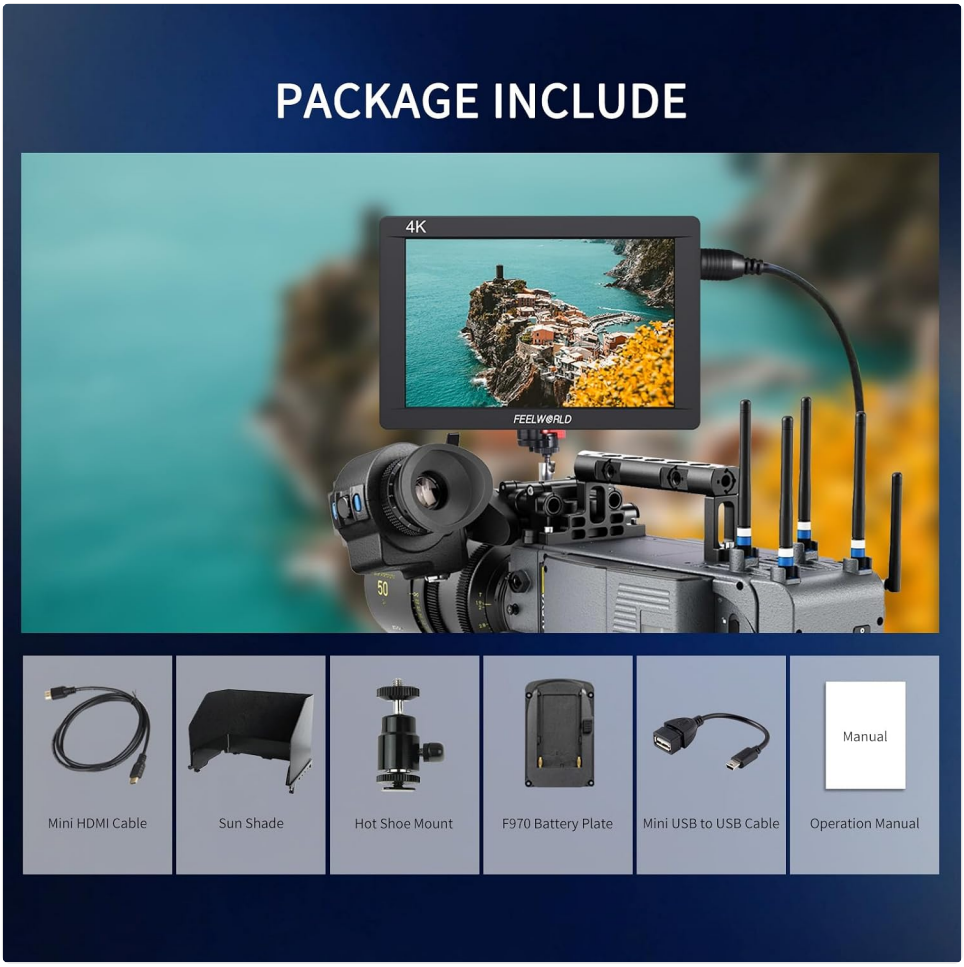


Figure 2.1: Contents included in the FW703 package, showing the monitor, cables, sunshade, hot shoe mount, and battery plate.

3. Features

The FEELWORLD FW703 monitor is equipped with advanced features to enhance your video production workflow:

- **High-Resolution Display:** 7-inch IPS screen with 1920x1200 resolution and 323 PPI, providing sharp and detailed images. Brightness of 450 nits ensures clear viewing.
- **Professional Color Calibration:** Supports Rec.709 color standard for accurate color reproduction, ensuring true-to-life visuals during shooting.
- **Versatile Input/Output Options:** Features 3G-SDI and 4K HDMI inputs and outputs, compatible with a wide range of cameras, DSLRs, and camcorders.
- **Broadcast-Quality Monitoring Tools:** Includes professional tools such as Waveform, Vectorscope, RGB Histogram, Peaking Filter, False Colors, Exposure, Embedded Audio, Nine Grid, Anamorphic Mode, Zoom-in, DSLR Scale, Pixel to Pixel, Check Field, and Image Flip for precise exposure and focus control.
- **Custom 3D LUT Support:** Allows loading up to 32 custom LUTs for real-time preview of filming looks, streamlining post-production.
- **Ultra-Thin Lightweight Design:** With a 22mm thickness and 320g weight, the monitor is highly portable for on-location shoots.
- **Flexible Power Supply:** Supports Sony F970 battery plate (battery not included) and can also be powered by a 12V 1.5A power adapter.

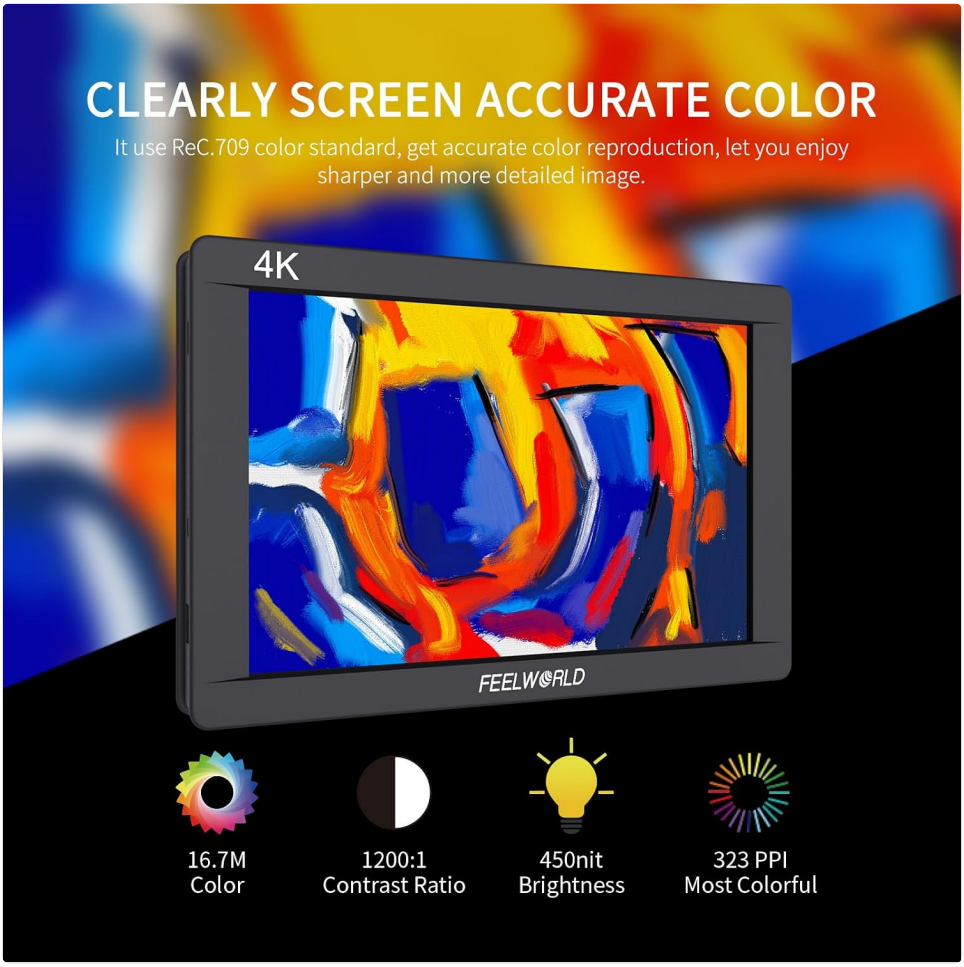


Figure 3.1: The FW703 monitor features a clearly screen with accurate color reproduction using Rec.709 standard.



Figure 3.2: Custom 3D LUT support allows for previewing filming looks directly on the monitor.



Figure 3.3: Overview of professional auxiliary tools available on the FW703, including Vectorscope, Brightness Histogram, YUV Parade, and Y Parade.

4. Setup

4.1 Powering the Monitor

The FW703 monitor can be powered using an NP-F series battery (F970, F960, F950, F770, F750, F730, F570, F550, F530) via the included F970 battery plate, or by a 12V 1.5A DC power adapter (not included).

1. **Battery Installation:** Attach the F970 battery plate to the back of the monitor. Slide a compatible NP-F series battery onto the plate until it clicks into place.
2. **DC Power:** Connect a 12V 1.5A DC power adapter to the DC 12V input port on the side of the monitor.



Figure 4.1: The FW703 supports power via Sony F970 battery plate or a 12V DC power adapter.

4.2 Connecting to a Camera/Device

The FW703 supports both 3G-SDI and 4K HDMI inputs and outputs.

1. **HDMI Connection:** Use the included Mini HDMI cable to connect your camera's HDMI output to the HDMI-IN port on the monitor. For 4K signals, ensure your camera and cable support 4K 2160P 30Hz.
2. **SDI Connection:** Connect your camera's SDI output to the SDI-IN port on the monitor using an SDI cable. The monitor supports all SD, HD, and SDI formats up to 1080p 60Hz.
3. **Outputting Signal:** Use the HDMI-OUT or SDI-OUT ports to loop through the signal to another monitor or device.



Figure 4.2: Rear view of the FW703 showing the SDI-IN, SDI-OUT, HDMI-IN, and HDMI-OUT ports.

4.3 Mounting the Monitor

The FW703 can be mounted to a camera rig or hot shoe using the included hot shoe mount.

1. Attach the hot shoe mount to the bottom 1/4-inch screw hole of the monitor.
2. Secure the hot shoe mount to your camera's hot shoe or a compatible rig.



Figure 4.3: The FW703 monitor mounted on a camera rig, demonstrating its versatility.

4.4 Attaching the Sunshade

The portable sunshade can be easily attached to the monitor to improve visibility in bright outdoor conditions.

1. Align the sunshade with the grooves around the monitor's screen.
2. Gently press the sunshade into place until it is securely attached.



Figure 4.4: The FW703 monitor with its portable sunshade attached for improved outdoor visibility.

5. Operating Instructions

5.1 Basic Operation

1. **Power On/Off:** Press and hold the power button (usually located on the side or top) to turn the monitor on or off.
2. **Input Switching:** Use the MODE button to switch between HDMI and SDI input signals.
3. **Volume Control:** Use the '<' and '>' buttons to adjust the volume of the embedded audio.



Figure 5.1: The FW703 features a new iconized UI menu for convenient function operation.

5.2 Menu Navigation

The monitor features a user-friendly menu system for accessing various settings and monitoring tools.

- Press the **MENU** button to enter the main menu.
- Use the arrow buttons (usually '<' and '>') to navigate through menu options.
- Press the **V** button (or similar confirmation button) to select an option or confirm a setting.
- Use the **F1** and **F2** buttons as user-definable function buttons for quick access to frequently used features.

Your browser does not support the video tag.

Video 5.1: An overview of the FEELWORLD FW703 monitor, demonstrating its features and basic operation.

5.3 Advanced Monitoring Functions

The FW703 offers a range of professional monitoring tools accessible through the menu:

- **Histogram:** Displays the distribution of brightness levels in the image.
- **Peaking Filter:** Highlights sharp edges in the image to assist with focus.
- **False Colors:** Uses color overlays to represent exposure levels, helping to identify overexposed or underexposed areas.
- **Exposure (Zebras):** Displays zebra patterns on areas exceeding a set exposure threshold.
- **Waveform:** Provides a graphical representation of the luminance and chrominance levels in the video signal.
- **Vectorscope:** Shows the color information of the video signal, useful for checking color balance.
- **Embedded Audio:** Displays audio levels from the input signal.
- **Image Flip:** Flips the image horizontally or vertically, useful for various mounting orientations.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the monitor's screen and body. For stubborn smudges, a slightly damp cloth with a mild, non-abrasive cleaner can be used. Avoid harsh chemicals.
- **Storage:** When not in use, store the monitor in a cool, dry place away from direct sunlight and extreme temperatures. Use the sunshade or a protective case to prevent scratches to the screen.
- **Handling:** Handle the monitor with care to avoid dropping or impacting it, which can damage internal components or the screen.
- **Firmware Updates:** Periodically check the FEELWORLD official website for firmware updates. Updates can be installed via the USB UPGRADE port.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No image on screen / "No Signal" message	Incorrect input selected, loose cable connection, incompatible signal format, camera not outputting signal.	Press MODE button to switch inputs (HDMI/SDI). Check all cable connections are secure. Ensure camera is powered on and configured to output video. Verify camera output resolution/frame rate is supported by the monitor.
Monitor does not power on	Battery depleted, power adapter not connected or faulty, power button not pressed correctly.	Charge or replace the battery. Ensure power adapter is securely connected and functional. Press and hold the power button for a few seconds.
Image is distorted or flickering	Faulty cable, signal interference, incorrect display settings.	Try a different HDMI/SDI cable. Move away from sources of electromagnetic interference. Reset monitor settings to default via the menu.

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

8. Specifications

Feature	Detail
Model Number	FW703
Screen Size	7 Inch IPS
Resolution	1920x1200
Brightness	450nit
Pixel Density	323PPI
Input Ports	3G-SDI, 4K HDMI
Output Ports	3G-SDI, 4K HDMI
Power Input	DC 12V, NP-F Battery Plate
Product Dimensions	10 x 10 x 12 inches

Feature	Detail
Item Weight	1.85 pounds
Manufacturer	FEELWORLD
Date First Available	January 21, 2018

9. Warranty and Support

FEELWORLD products typically come with a 1-year warranty. For detailed warranty information, technical support, or service inquiries, please refer to the official FEELWORLD website or contact their customer service directly.
Official Website: www.feelworld.cn
For further assistance, you may also refer to the top reviews section on the product page for common user experiences and tips.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question