FEELWORLD SC6

FEELWORLD SC6 6-inch SDI Monitor User Manual

1. PRODUCT OVERVIEW

The FEELWORLD SC6 is a high-performance 6-inch SDI monitor designed for professional filmmaking and video production. It features a full HD IPS panel with an impressive 1500nits brightness, ensuring clear visibility even in daylight. Constructed with a durable aluminum alloy body, the SC6 offers both touch screen and physical knob controls for intuitive operation. Advanced features include 3D LUT and HDR monitoring, 3G SDI and 4K HDMI input/output, flexible power options, and an efficient cooling system.

Image 1: Front view of the FEELWORLD SC6 6-inch SDI Monitor, showcasing its compact design and vibrant display.

2. WHAT'S IN THE BOX

Upon unboxing your FEELWORLD SC6 monitor, please verify that all the following items are included:

- 1 x Monitor
- 1 x HDMI Cable
- 1 x Micro HDMI Cable
- 1 x Mini Hot Shoe Mount + Hex Wrench
- 1 x Sun-hood
- 1 x USB-A to USB-C Cable
- 1 x Cable Management Tie
- 1 x User Manual

Image 2: An illustration showing all components included in the FEELWORLD SC6 package.

3. Setup

3.1 Mounting the Monitor

The FEELWORLD SC6 monitor can be easily mounted to your camera rig using the included Mini Hot Shoe Mount Adapter. This adapter allows for flexible positioning with 180° viewing angle adjustment and 360° base rotation.
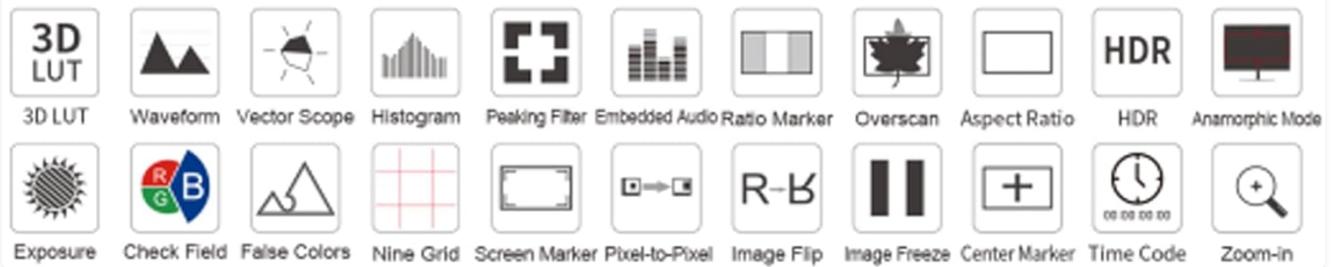
Image 3: The monitor attached to a camera via the Mini Hot Shoe Mount Adapter, demonstrating its adjustable angles.

3.2 Connecting Video Sources

The SC6 is equipped with both 3G SDI and 4K HDMI input and output ports for high-speed signal transmission. Use the provided HDMI or Micro HDMI cables to connect your camera or other video sources to the monitor.

1500Nits High Brightness,Visible In Sunlight

High brightness 1500nit is viewable in almost every kind of light. Indoors, outdoors or anywhere you need.

Image 4: Close-up of the monitor's rear panel, highlighting the 3G SDI and 4K HDMI input/output ports.

3.3 Initial Power-On

Ensure the monitor is securely connected to a power source (NP-F battery or DC power) before powering on. Press and hold the power button located on the side of the monitor until the FEELWORLD logo appears on the screen.

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Video 1: This video demonstrates the setup and initial use of the FEELWORLD SC6 monitor, including connecting it to a camera and showcasing its bright display and professional tools for accurate exposure and focus.

4. OPERATING INSTRUCTIONS

4.1 Dual Control Mode (Touch Screen & Knob)

The SC6 offers an innovative dual control interface. You can navigate menus and adjust settings using simple tap and swipe gestures on the touch screen. Alternatively, the physical knob allows for quick selection and function adjustments by rotating and pressing.

Cooling System

Built-in a cooling fan,you can adjust the fan speed from 1~5 based on the body temperature, default to 3, ensuring effective heat dissipation.

Image 5: A user interacting with the touch screen interface of the FEELWORLD SC6, showing swipe and tap gestures for control.

4.2 Professional Monitoring Tools

The monitor includes a comprehensive suite of professional tools to assist with accurate focus and exposure:

- **3D LUT & HDR Monitoring:** Load custom 3D-LUT tables or use built-in DE-log LUTs to quickly recombine color tones. HDR reproduces a greater dynamic range of luminosity, enhancing detail in highlights and shadows.
- **Waveform, Vector Scope, Histogram:** Visual aids for analyzing video signals and ensuring proper exposure and color balance.
- **Peaking Filter & Focus Assist:** Helps achieve sharp focus by highlighting in-focus edges.
- **False Color & Zebra Pattern:** Assists with exposure control by displaying areas of over/under exposure.
- **Embedded Audio:** Monitor audio levels directly on the screen.
- **Aspect Ratio & Center Marker:** Guides for framing and composition.
- **Time Code:** Display timecode for multi-camera synchronization during post-production.
- **9:16 Vertical Screen Marker:** Specifically designed for vertical video formats, useful for social media content creation.

Mini Hot Shoe Mount Adapter

The standard accessory mini hot shoe mount adapter can quick release and attach to camera monitor, led light,flash, microphone,etc.Upper with 180° viewing angle and base with 360° rotation.

Upper with 180° viewing angle

Base wit 360° rotation

Image 6: A visual representation of the diverse professional auxiliary functions available on the FEELWORLD SC6 monitor.

Your browser does not support the video tag.

Video 2: This video highlights the touch screen interface and various professional monitoring tools of the FEELWORLD P6XL, which

shares similar operational features with the SC6, demonstrating ease of use and advanced functionalities.

5. POWER OPTIONS

The FEELWORLD SC6 offers flexible power solutions to suit various shooting environments:

- **NP-F Series Battery:** Install an NP-F series battery (e.g., F970 6600mAh lasts approximately 3 hours) for mobile applications. *(Battery not included)*
- **DC Power Input:** Connect to a DC power input (suitable for a 2A power adapter, DC 5.5*2.1mm power plug) for continuous power.
- **DC OUT 8.4V:** The monitor can also provide 8.4V DC power output to other devices. When using this feature, a 12V/3A power adapter is recommended for the monitor's input.

Image 7: A visual guide to the flexible power options of the FEELWORLD SC6, including battery and DC input/output.

6. COOLING SYSTEM

The FEELWORLD SC6 incorporates a built-in cooling fan to ensure effective heat dissipation during extended use. The fan speed can be adjusted from 1 to 5 levels based on the body temperature, with a default setting of 3.

Image 8: An internal view highlighting the cooling fan and heat dissipation pathways within the FEELWORLD SC6 monitor.

7. SPECIFICATIONS

Feature	Detail
Display Size	6 Inches

Feature	Detail
Resolution	1920 x 1080 FHD
Brightness	1500 nits
Aspect Ratio	16:9
Contrast Ratio	1000:1
Viewing Angle	160°
Video Inputs	3G SDI, 4K HDMI
Video Outputs	3G SDI, 4K HDMI
Audio Output	3.5mm Headphone Jack
Power Options	NP-F Battery, DC 12V Input, Type-C 9V/2A
Weight	1 pounds (approx. 453g)
Dimensions	1.13 x 4.06 x 1.13 inches
Body Material	Aluminum Alloy

8. MAINTENANCE

To ensure the longevity and optimal performance of your FEELWORLD SC6 monitor, follow these maintenance guidelines:

- **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, ensuring no liquid enters the ports.
- **Storage:** Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided carrying case or a padded bag to protect it from dust and physical damage.
- **Handling:** Avoid dropping the monitor or subjecting it to strong impacts. Always handle cables carefully to prevent damage to the ports.
- **Battery Care:** If using NP-F batteries, ensure they are charged and stored according to the battery manufacturer's instructions. Remove batteries if the monitor will not be used for an extended period.

9. TROUBLESHOOTING

If you encounter issues with your FEELWORLD SC6 monitor, refer to the following common troubleshooting steps:

- **No Power:** Ensure the power button is pressed correctly. Verify that the NP-F battery is fully charged and properly inserted, or that the DC power adapter is securely connected and providing adequate power (12V/3A recommended for full functionality).
- **No Signal:** Check all HDMI and SDI cable connections between the camera/source and the monitor. Ensure the correct input source is selected on the monitor. Verify that the camera/source is outputting a signal.
- **Display Issues (e.g., flickering, incorrect colors):** Check cable integrity. Ensure the monitor's resolution and frame rate settings match the input signal. Reset monitor settings to factory defaults if necessary.

- **Difficulty Connecting/Disconnecting NP-F Battery:** Some users have reported that the battery connection can be tight, requiring significant force to attach or remove. Ensure the battery is aligned correctly before applying force. If the issue persists across multiple batteries, contact customer support.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official FEELWORLD website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.