FEELWORLD LUT6

FEELWORLD LUT6 6-Inch DSLR Camera Field Monitor User Manual

Model: LUT6 | Brand: FEELWORLD

1. Introduction

The FEELWORLD LUT6 is a 6-inch ultra-bright field monitor designed for DSLR cameras, offering advanced monitoring features for professional videography and photography. Its 2600nits ultra-bright screen ensures clear visibility even in direct sunlight, making it ideal for outdoor shooting. This manual provides comprehensive instructions for setting up, operating, and maintaining your LUT6 monitor to ensure optimal performance.



Figure 1: FEELWORLD LUT6 monitor in use, showcasing its compact design and bright display.

2. Product Overview

2.1 Key Features

- **Ultra-Bright Display:** 2600nits screen for excellent visibility in sunlight, approximately 5 times brighter than conventional field monitors.
- **Touch Screen Interface:** Intuitive touch controls for brightness, volume, and quick access to the shortcut menu.
- **HDR/3D LUT Support:** Displays HDR signals for clarity and detail, and supports uploading up to 50 custom 3D LUTs for accurate color representation.
- **High Resolution:** 1920 x 1080 maximum resolution with 1000:1 contrast ratio and sRGB / Rec.709 Color Gamut.
- **4K HDMI Input/Output:** Features 4K HDMI in and loop-out for seamless integration with your camera setup.
- **Auxiliary Power Output:** Provides 8.4V DC power out to power your camera (via dummy battery, optional).
- **Built-in Cooling Fan:** Automatically activates when backlight brightness exceeds 80% to dissipate heat.
- **Professional Monitoring Tools:** Includes Waveform (Parade, Vector), RGB Histogram, Histogram, Peaking Focus Assist, False Colors, Zebra Exposure, Scan Mode, Zoom, Anamorphic Mode, Pixel to Pixel, Nine Grid, Center Marker, Safety Marker, Ratio Marker, Marker Color, Check Field, Image Flip, Image Freeze, and Color Temperature Adjustment.

2.2 Product Components and Interfaces

Familiarize yourself with the various ports and controls on your FEELWORLD LUT6 monitor:

- **HDMI IN:** 4K HDMI input (supports up to 3840x2160p 30Hz).
- **HDMI OUT:** 4K HDMI loop-out (supports up to 3840x2160p 30Hz).
- **DC IN 12V:** Power input for the monitor.
- **DC OUT 8.4V:** Auxiliary power output for cameras.
- **3.5mm Audio Interface:** Headphone jack for audio monitoring.
- **SD Card Slot:** For loading custom 3D LUTs.
- **F970 Battery Plate:** Compatible with Sony F970 series batteries for portable power.
- **Mounting Points:** Multiple 1/4" thread holes for attaching to cameras, rigs, or the included tilt arm.



Figure 2: Rear view of the monitor highlighting the 4K HDMI input/output and integrated cooling fan.



Figure 3: Top and bottom view of the monitor displaying power inputs, audio interface, and SD card slot.

3. Setup

3.1 Package Contents

Before starting, ensure all items are present in your package:

- FEELWORLD LUT6 Monitor
- Mini/Micro HDMI to HDMI Cable
- Tilt Arm
- User Manual (this document)
- *Note: Battery is not included and must be purchased separately. The monitor is compatible with Sony F970 series batteries (F970, F960, F950, F930, F770, F750, F730, F570, F550, F530, QM91D, QM91, QM90D, QM90, QM71D, QM71, QM70D, QM70, QM51D, QM51, FM71, FM70 series).*



Figure 4: Included accessories with the FEELWORLD LUT6 monitor.

3.2 Powering the Monitor

The LUT6 monitor can be powered via a DC 12V adapter or a compatible F970 series battery.

1. **Using DC Adapter:** Connect a 12V DC power adapter to the "DC IN 12V" port on the monitor.
2. **Using Battery:** Slide a charged F970 series battery onto the battery plate on the rear of the monitor until it clicks into place.

3.3 Mounting the Monitor

The included tilt arm allows for flexible mounting options:

1. Attach the tilt arm to your camera's hot shoe or a compatible rig using its 1/4" thread.
2. Mount the LUT6 monitor onto the tilt arm. The monitor can be rotated 360 degrees from up to down through the side mounting point of the tilt arm, and also 360 degrees from left to right through the bottom mounting point.
3. The tilt arm also allows for extending accessories like LED lights or microphones.



Figure 5: The tilt arm provides versatile mounting and accessory attachment for the monitor.

3.4 Connecting to a Camera

Use the provided HDMI cable to connect your camera to the monitor:

1. Connect one end of the Mini/Micro HDMI to HDMI cable to your camera's HDMI output port.
2. Connect the other end of the cable to the "HDMI IN" port on the FEELWORLD LUT6 monitor.
3. If you need to loop out the HDMI signal to another device, connect a separate HDMI cable from the "HDMI OUT" port on the monitor to your desired device.

3.5 Loading Custom 3D LUTs

The LUT6 supports loading up to 50 custom 3D LUTs via an SD card:

1. Save your desired .cube LUT files to the root directory of an SD card.
2. Insert the SD card into the "SD Card" slot on the monitor.
3. Access the menu (refer to Section 4.1) and navigate to the LUT import option to load your custom LUTs.

4. Operating the Monitor

4.1 Touch Screen Operation

The LUT6 features an intuitive touch screen for easy navigation and control:

- **Brightness/Volume Adjustment:** Swipe up or down on the screen to increase or decrease brightness and volume.
- **Shortcut Menu:** Swipe from the bottom of the screen to access the shortcut menu.
- **Customize Shortcuts:** Double-click a shortcut icon to customize its feature.
- **Main Menu:** Double-click anywhere on the screen to open the main menu.



Figure 6: Touch screen interface showing monitoring tools and menu navigation.



Figure 7: The monitor's display quality with HDR and calibrated colors.

4.2 Professional Monitoring Tools

The LUT6 offers a suite of professional tools to assist with exposure, focus, and color accuracy:

- **Waveform (Parade, Vector):** Visualizes the luminance and chrominance levels of your video signal.
- **Histogram (RGB, Luminance):** Displays the distribution of tones in your image, helping to prevent clipping.
- **Peaking Focus Assist:** Highlights in-focus areas with a selectable color (red, green, blue, white, yellow) and adjustable level (1-10).
- **False Colors:** Uses color overlays to represent different exposure levels, aiding in proper exposure setting.
- **Zebra Exposure:** Displays zebra stripes over areas exceeding a set exposure threshold (1%-100% adjustable).
- **Nine Grid:** Divides the screen into nine equal sections for composition assistance.
- **Safety Marker/Center Marker:** Helps ensure important elements are within safe broadcast areas.
- **Anamorphic Mode:** De-squeezes anamorphic footage for proper viewing (1.25x, 1.33x, 1.5x, 2.0x, 2.0x mag).
- **Image Flip (H, V, H/V):** Flips the image horizontally, vertically, or both.
- **Image Freeze:** Freezes the current frame for detailed analysis.
- **Color Temperature Adjustment:** Adjusts the color temperature of the display.

These tools can be accessed and configured through the monitor's touch menu. Refer to the video demonstration below for a visual guide on navigating the menu and utilizing these features.

Your browser does not support the video tag.

Video 1: Demonstration of FEELWORLD LUT6 features, including touch screen operation, monitoring tools, and LUT functionality. This video provides a visual guide to the monitor's capabilities and user interface.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your FEELWORLD LUT6 monitor:

- **Cleaning:** Use a soft, dry cloth to clean the monitor's screen and body. For stubborn smudges, lightly dampen the cloth with water or a screen-safe cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Storage:** When not in use, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures. Use a protective case or bag to prevent scratches and impacts.
- **Handling:** Handle the monitor with care. Avoid dropping it or subjecting it to strong vibrations.
- **Ventilation:** Ensure the built-in fan and ventilation grilles are not obstructed during operation to prevent overheating.

6. Troubleshooting

If you encounter issues with your FEELWORLD LUT6 monitor, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Monitor does not power on.	Battery is not charged or not inserted correctly. DC power adapter is not connected or faulty.	Ensure battery is fully charged and properly seated. Verify DC adapter connection and try a different power source if available.
No image displayed.	HDMI cable is loose or damaged. Incorrect HDMI input selected on monitor. Camera output settings are incorrect.	Check HDMI cable connections at both ends. Try a different HDMI cable. Ensure the correct HDMI input is selected in the monitor's menu. Verify camera's HDMI output resolution and format are compatible with the monitor.
Screen is too dim/bright.	Brightness setting is too low/high.	Adjust the backlight/brightness setting via the touch screen (swipe up/down).
Fan noise is noticeable.	Normal operation when backlight is high.	The fan automatically turns on when backlight brightness is greater than 80% to dissipate heat. This is normal.

If the problem persists after trying these solutions, please contact FEELWORLD customer support for further assistance.

7. Specifications

Feature	Detail
Screen Size	6 inches
Brightness	2600 nits
Resolution	1920 x 1080
Pixel Density	368 PPI
Contrast Ratio	1000:1
Viewing Angle	160°/160° (H/V)
Color Gamut	sRGB / Rec.709
HDMI Input/Output	4K (up to 3840x2160p 30Hz)
Power Input	DC 12V
Power Output	DC 8.4V (for camera power)
Battery Compatibility	Sony F970 series (F970, F960, F950, F930, F770, F750, F730, F570, F550, F530, QM91D, QM91, QM90D, QM90, QM71D, QM71, QM70D, QM70, QM51D, QM51, FM71, FM70)
Dimensions	7.32 x 4.84 x 3.35 inches (Package Dimensions)
Item Weight	1.54 pounds

8. Warranty and Support

FEELWORLD products are designed for reliability and performance. For information regarding product warranty, please refer to the warranty card included with your product or visit the official FEELWORLD website. For technical support, troubleshooting assistance, or service inquiries, please contact FEELWORLD customer service through their official channels.
You can find more information and contact details on the FEELWORLD Store on Amazon.

© 2024 FEELWORLD. All rights reserved.

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.

Name

Anonymous

Email

you@example.com

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