

FEELWORLD P6XL

FEELWORLD P6XL 6-Inch Camera Monitor User Manual

Model: P6XL

1. INTRODUCTION

The FEELWORLD P6XL is a high-brightness 6-inch camera monitor designed to enhance your video production workflow. Featuring a 1200nit touchscreen display, 4K HDMI input, built-in battery, and advanced monitoring tools like Waveform, 3D LUT, and HDR support, it provides clear and accurate visual feedback for professional and enthusiast filmmakers.



Image: The FEELWORLD P6XL monitor displaying various monitoring tools, with a hand touching the screen.

2. WHAT'S IN THE BOX

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

- 1x P6XL FEELWORLD Monitor
- 1x A-A HDMI Cable
- 1x Micro HDMI Cable
- 1x USB-A to USB-C Cable
- 1x Mini Hot Shoe Mount + Hex Wrench
- 1x USB-A to USB-C Adapter
- 1x Sunshade + Frame
- 1x Cable Management Tie
- 1x User Manual

Package List



1 x monitor



1 x Power Adapter



1 x HDMI cable



1 x micro HDMI cable



1 x USB cable



1 x snail head + wrench



1 x USB header



1 x sun shade +
sunshade frame



1 x Velcro cable traps



1 x User Manual

Image: All accessories included with the FEELWORLD P6XL monitor, neatly arranged.

3. PRODUCT OVERVIEW

3.1 Physical Features

The P6XL monitor features a rugged, full aluminum alloy body, ensuring durability while maintaining a lightweight profile. Its compact dimensions and robust construction make it suitable for various shooting environments.

Rugged Aluminium Housing

Rugged. Lightweight. Cool-running.

332g



monitor size:154x87x17(mm)
monitor weight:332g

Image: The FEELWORLD P6XL monitor's aluminum housing and dimensions.

3.2 Ports and Controls

- **Power Button:** Long press to power on/off, short press for touch on/off.
- **Headphone Jack:** 3.5mm output for audio monitoring.
- **HDMI In:** 4K HDMI input, supports up to 2160p/30p signals.
- **Type-C (Upgrade/LUT Upload):** Used for firmware updates and loading custom 3D LUT files via a USB flash drive.
- **Type-C (9V/2A Power Supply/Charging):** For charging the built-in battery or powering the monitor.

- **1/4" Screw Thread:** For mounting accessories.
- **Cooling Fan:** Built-in adjustable fan for heat dissipation.



4K HDMI Input

The p6xl features a 4K HDMI input port that supports up to 2160p / 30 signals.

HDMI input format:

480i/576i/480p/576p	720p (60/59.94/50/30/29.97/25/24/23.98)
1080i (60/59.94/50)	1080p (60/59.94/50/30/29.97/25/24/23.98)
3840 × 2160p (30/29.97/25/24/23.98)	

Image: The 4K HDMI input port on the FEELWORLD P6XL monitor.

4. SETUP

4.1 Charging the Built-in Battery

The P6XL features a built-in 22.2Wh/7.4V rechargeable battery. Use the provided USB-A to USB-C cable and

a 9V charger to charge the monitor. The indicator light will turn green when fully charged. A full charge provides approximately 2 hours of run-time at 100% brightness.

Built in Battery

Prevents unexpected power outages caused by loose cables

Note:The voltage of the charger must be 9V. When charging, 100% display is considered full charge after waiting for indicator lamp to become green rather than full charge. After use, please turn off the power and put it in the bag.

22.2
Wh

Battery Capacity

120
min

Running Time
(100% brightness, 5-speed fan)

120
min

Charging Time



Image: Information regarding the monitor's built-in battery, capacity, and charging details.

4.2 Mounting the Monitor

Attach the mini hot shoe mount to your camera's hot shoe or a compatible rig. Secure the monitor to the mount using the 1/4" screw thread on the monitor's bottom.

4.3 Connecting to a Camera

Connect your DSLR or mirrorless camera to the monitor using the provided HDMI cable. Ensure the camera's HDMI output settings are compatible with the monitor's input (up to 4K 2160p/30p).

5. OPERATING INSTRUCTIONS

5.1 Touchscreen Interface

The P6XL features an intuitive touchscreen interface for easy control:

- **Double-tap:** Access the main menu.
- **Swipe Left Side:** Adjust backlight.
- **Swipe Right Side:** Adjust volume.
- **Swipe Bottom:** Access quick menu shortcuts.

6 Inch Touchscreen Monitor

innovative touch screen user,interface provides incredible control



IPS

6"

IPS Touch Screen



1000:1

Contrast Ratio



1200nit
Brightness

1080p

FHD
1920x1080

HDR

16:9
Aspect Ratio



160°
Viewing Angle

Image: The 6-inch touchscreen interface of the FEELWORLD P6XL monitor.

5.2 Menu Navigation

Double-tap the screen to open the main menu. Navigate through the following categories:

- **Assist:** Access various monitoring tools.
- **Marker:** Configure on-screen guides.
- **Image:** Adjust image display settings.
- **User Option:** Manage LUTs, HDR, and display/color adjustments.
- **System:** Access general system settings.

5.3 Assist Functions

The Assist menu provides professional tools for accurate monitoring:

- **Waveform:** Displays luminance and color information.
 - **Vector:** Shows color saturation and hue.
 - **Histogram:** Visualizes tonal distribution.
 - **Focus Assist (Peaking):** Highlights in-focus areas (adjustable color/level).
 - **Embedded Audio:** Displays audio levels.
 - **Zebra Pattern:** Indicates overexposed areas (adjustable threshold).
 - **Check Field:** Isolates specific color channels.
 - **False Colors:** Aids in exposure setting by displaying different exposure levels in distinct colors.
-

Full Range of Auxiliary Functions



Waveform



Nine Grid



Center Marker



False Colors

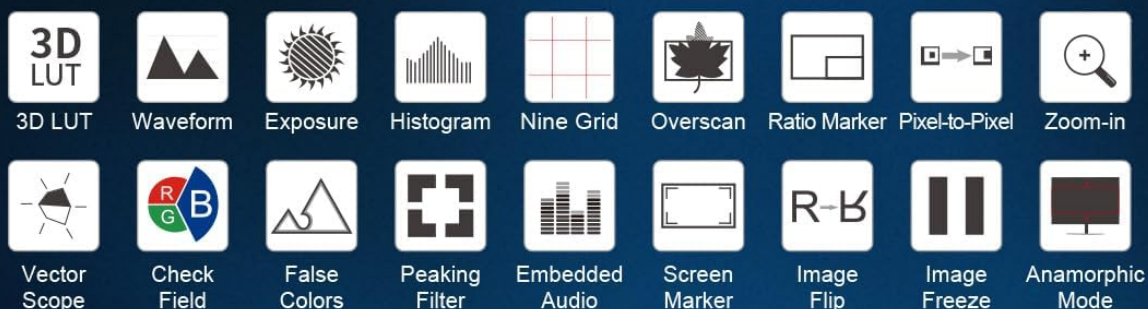


Image: A visual representation of the monitor's full range of auxiliary functions.

5.4 Marker Functions

Customize on-screen guides for framing and composition:

- **Grids:** Display various grid patterns (e.g., Rule of Thirds, 2x2, 4x4, custom).
- **Safe Frames:** Define safe areas for broadcast or social media aspect ratios.
- **Center Marker:** Places a crosshair in the center of the screen.
- **Ratio Marker:** Overlays various aspect ratio guides (e.g., 4:3, 16:9, 2.35:1).

5.5 Image Functions

Adjust how the image is displayed on the monitor:

- **Scan Mode:** Adjusts the display area (e.g., Under Scan).
- **Aspect Ratio:** Selects display aspect ratio (e.g., Auto, 16:9, 4:3).
- **Anamorphic:** Desqueezes anamorphic footage (1.33x, 1.6x, 2.0x, custom).
- **Image Flip:** Flips the image horizontally or vertically.
- **Zoom Mode:** Magnifies a portion of the image (2X, 4X, 8X).
- **Image Freeze:** Pauses the live video feed.
- **P2P (Pixel-to-Pixel):** Displays the image at its native resolution.

5.6 User Options

Customize advanced display settings:

- **LUT (Look Up Table):** Enable/disable LUTs, import custom .cube files via USB-C, and select from built-in DE-log LUTs (S-Log2, S-Log3, C-Log, V-Log to Rec.709).
- **HDR:** Enable/disable HDR display mode (HLG1, HLG2, HLG3).
- **Display Adjustment:** Adjust backlight, brightness, contrast, saturation, hue, and sharpness.
- **Color Adjustment:** Fine-tune color temperature (5600K, 6500K, 9300K, User) and individual RGB levels.

Screenshots & Image Overlay



Note:

Please make sure the USB flash drive without any upgrade files before use this function or plug empty USB flash drive directly. And don't remove the USB flash drive when using the function.

HDR

HDR When turned on, the monitor can recreate a more dynamic brightness range and display more clearly the detail of the bright and dark parts. Hlg1, hlg2, hlg3 type built-in.



HDR OFF



HDR ON

3D LUT

Built in 4 de log LUTS, or can load custom. Cube files (up to 32) from a USB stick.



Image: The monitor's screenshot and image overlay feature for composition comparison.

5.7 System Settings

General monitor settings:

- **User Switch:** Manage multiple user profiles.
- **Language:** Select display language.
- **OSD Option:** Adjust On-Screen Display settings.
- **Volume:** Control audio output volume.
- **Cooling Fan:** Adjust fan speed (modes 1-5).

- **Reset:** Restore factory default settings.
- **Firmware Update:** Update monitor firmware via USB-C.

6. SPECIFICATIONS

Feature	Specification
Display Size	6 inches
Brightness	1200 nits
Resolution	Full HD 1920x1080
Input	4K HDMI (up to 2160p/30p)
Battery	Built-in 22.2Wh/7.4V rechargeable battery
Charging	Type-C (9V/2A)
Housing	Aluminum Alloy
Weight	332 grams (approx. 0.73 lbs)
Dimensions	154 x 87 x 17 mm (approx. 6.06 x 3.43 x 0.67 inches)

7. TROUBLESHOOTING

- **No Signal:** Ensure HDMI cable is securely connected and camera's HDMI output is active and set to a compatible resolution.
- **Monitor Not Powering On:** Check battery level. Connect to a 9V/2A Type-C charger.
- **Touchscreen Unresponsive:** Short press the power button to toggle touch functionality. If issue persists, try resetting the monitor to factory settings.
- **Overheating:** Ensure cooling fan is enabled in System settings. Avoid blocking ventilation holes.
- **LUT Import Failure:** Ensure USB flash drive is formatted correctly and contains only .cube LUT files. Do not remove the USB drive during import.

8. MAINTENANCE





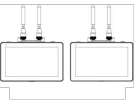
- **Cleaning:** Use a soft, dry cloth to clean the monitor screen and body. For stubborn smudges, use a screen-specific cleaning solution.
- **Storage:** Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided sunshade and frame for protection.
- **Battery Care:** For long-term storage, charge the battery to approximately 50-60% to prolong its lifespan.

9. WARRANTY AND SUPPORT

FEELWORLD products typically come with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official FEELWORLD website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance, or service inquiries, please contact FEELWORLD customer service through their official channels.

Related Documents - P6XL

<div>7" Touchscreen Monitor F970 Install and Power Kit</div> <div></div> <div>User Manual</div>	<div>FEELWORLD F970 7" Touchscreen Monitor User Manual</div> <div>User manual for the FEELWORLD F970 7-inch touchscreen monitor, detailing product overview, features, installation, power supply, menu operations, functions, technical parameters, and troubleshooting. Includes information on Sony F970 battery kit, HDMI connectivity, and various display settings.</div>
<div>6" Touchscreen Camera Monitor USB2.0 Recording HDMI with LUT Loop-out</div> <div></div> <div>User Manual</div> <div>Foreword</div>	<div>FEELWORLD 6" Touchscreen Camera Monitor User Manual</div> <div>User manual for the FEELWORLD 6-inch Full HD touchscreen camera monitor, detailing its features, operation, and technical specifications. Includes USB 2.0 recording and HDMI with LUT loop-out.</div>
<div>6" Touchscreen Camera Monitor USB2.0 Recording HDMI with LUT Loop-out</div> <div></div> <div>User Manual</div>	<div>6" Touchscreen Camera Monitor User Manual</div> <div>User manual for the 6-inch Full HD touchscreen camera monitor with USB2.0 recording and HDMI with LUT loop-out. Learn about its features, operation, and technical specifications.</div>
<div>6" Touchscreen Monitor 4K HDMI/3D LUT/HDR</div> <div></div> <div>User Manual</div> <div>0-1</div>	<div>Feelworld 6" Touchscreen Monitor 4K HDMI/3D LUT/HDR User Manual</div> <div>Comprehensive user manual for the Feelworld 6-inch 4K HDMI/3D LUT/HDR touchscreen monitor, covering features, operation, technical specifications, and troubleshooting.</div>
<div>Swift Z 7109+3109 HDMI/3D LUT/HDR</div> <div></div> <div>User Manual</div>	<div>Swift Z Wireless Video Monitor User Manual</div> <div>User manual for the Swift Z wireless video monitor (model 7109+3109), detailing product overview, features, operation, technical specifications, and troubleshooting.</div>



[FEELWORLD FW759 PRO 7-Inch Touch Camera Monitor - Features, Specs, and Overview](#)

Detailed overview of the FEELWORLD FW759 PRO 7-inch touch screen camera monitor, including key features, auxiliary functions, technical parameters, structure, and power options. Ideal for professional videography.