Manuals+
Q & A | Deep Search | Upload

FEELWORLD P6XL

FEELWORLD P6XL 6-Inch Camera Monitor User Manual

Model: P6XL

1. Product Overview

The FEELWORLD P6XL is a compact and versatile 6-inch camera monitor designed to enhance your video production workflow. It features a high-brightness 1200nit Full HD IPS display, a responsive touchscreen interface, and a built-in rechargeable battery for portability. The monitor supports 4K HDMI input, HDR monitoring, and custom 3D-LUTs, providing essential tools for accurate image analysis and color grading in the field.

Image: FEELWORLD P6XL monitor highlighting its main features.

Key Features:

- **6-inch Full HD IPS Screen:** 1920x1080 resolution for clear and detailed visuals.
- **1200nit High Brightness:** Ensures visibility in various lighting conditions, including outdoors.
- **Built-in 22.2Wh/7.4V Battery:** Provides approximately 2 hours of runtime at 100% brightness.
- **Sensitive Touch Screen Control:** Intuitive interface for easy navigation and function control.
- **4K HDMI Input:** Supports 3840x2160p at 30/29.97/25/24/23.98 frame rates.
- **Custom 3D LUTs:** Supports uploading up to 32 custom .cube files via USB-C for real-time color grading.
- **HDR Monitoring:** Enhances dynamic range for more accurate exposure and color representation.

- **Lightweight and Portable:** Weighs only 332g with a slim 17mm thickness.

2. Setup and Installation

2.1 Unpacking and Initial Inspection

Carefully unpack all components and inspect for any damage. Ensure all accessories are present:

- FEELWORLD P6XL Monitor
- Mini/Micro HDMI to HDMI Cable
- USB-A to USB-C Adapter
- Sunshade
- Tilt Arm

2.2 Charging the Built-in Battery

The P6XL features a built-in 22.2Wh/7.4V rechargeable battery. To charge:

1. Connect the included charging cable to the USB Type-C port on the monitor.
2. Connect the other end of the charging cable to a 9V charger (not included).
3. The charging indicator light will illuminate. Charging is complete when the indicator light turns green. Note that the battery level display may show 100% before full charge; rely on the indicator light.

Image: Monitor ports, including the Type-C charging port.

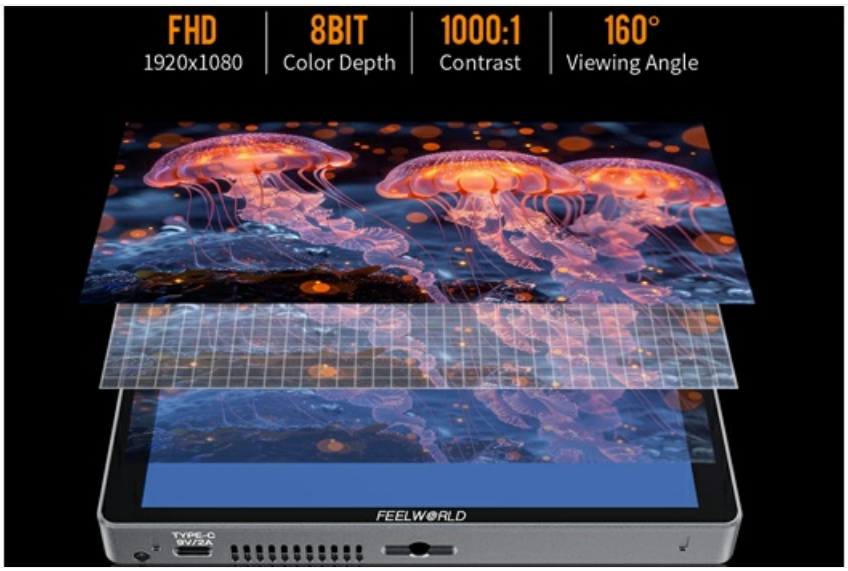

Image: Charging the P6XL monitor.

2.3 Mounting the Monitor

The P6XL can be mounted to your camera rig using the included tilt arm:

1. Attach the tilt arm to the monitor's mounting point.

2. Secure the tilt arm to your camera's hot shoe or another compatible mounting point.
3. Adjust the monitor's angle using the tilt arm, which offers 180° viewing angle adjustment and 360° base rotation.

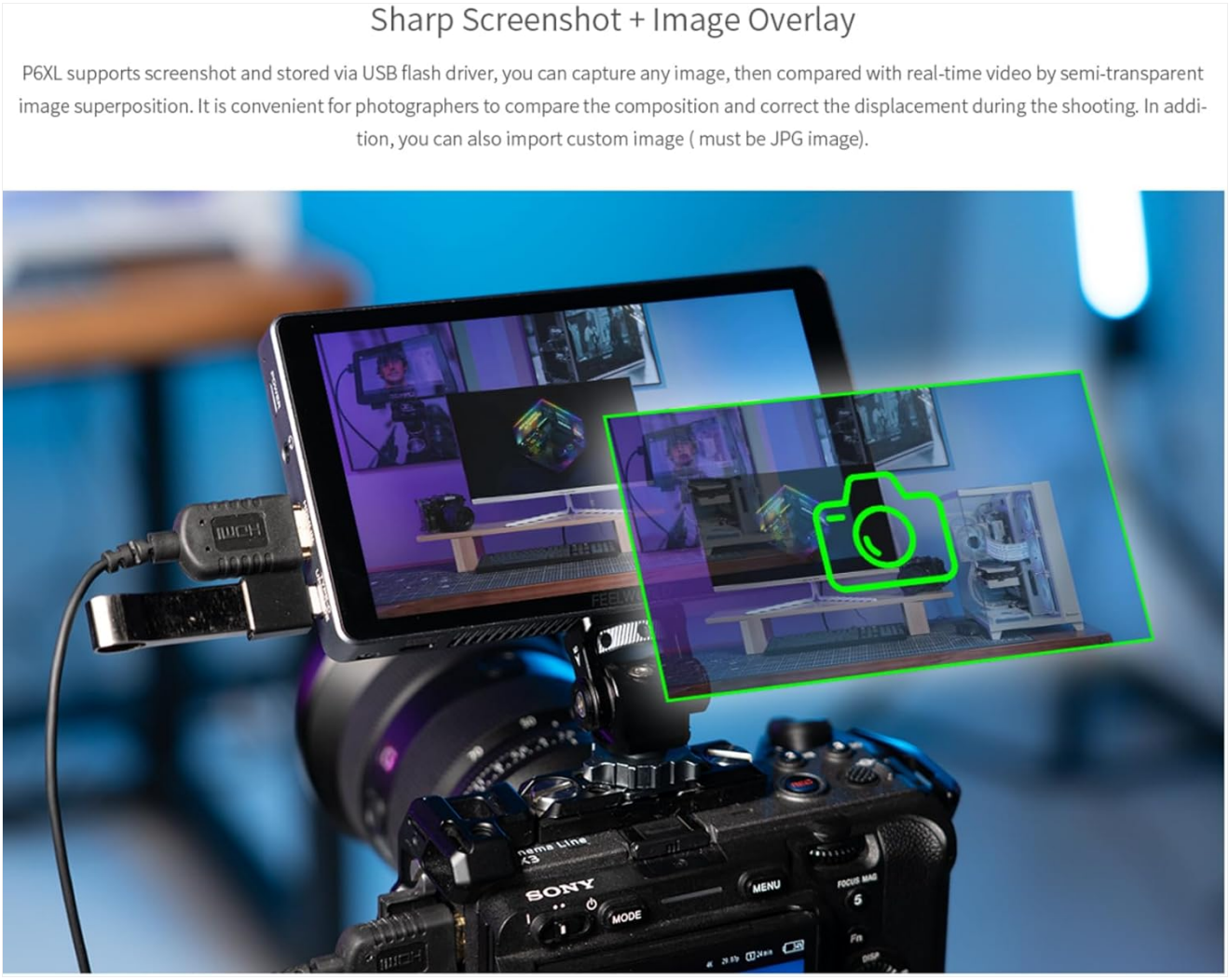

Image: Monitor mounting options with tilt arm.

2.4 Connecting to a Camera

Connect your camera's HDMI output to the monitor's HDMI IN port using the provided HDMI cable. The monitor supports 4K HDMI signals.

Image: Connecting the monitor to a camera via HDMI.

3. Operating Instructions

3.1 Power On/Off

Press and hold the power button located on the side of the monitor to turn it on or off.

3.2 Touch Screen Control

The P6XL features a sensitive touchscreen for intuitive control:

- **Tap:** Tap icons or menu options to select them.
- **Swipe Up/Down (Left Half):** Adjust backlight brightness.
- **Swipe Up/Down (Right Half):** Adjust volume.
- **Swipe from Edge:** Access various monitoring functions and settings.

Image: Touch screen gestures for brightness and volume control.

3.3 Monitoring Functions

The monitor offers a comprehensive suite of monitoring tools. Access these functions via the touchscreen interface:

- **3D LUT:** Apply custom Look-Up Tables for real-time color preview.
- **Waveform:** Analyze video signal levels.
- **Exposure:** Check exposure levels.
- **Histogram:** Visualize tonal distribution.
- **Nine Grid:** Assist with composition.
- **Overscan:** Adjust display area.
- **Ratio Marker:** Display various aspect ratio guides.
- **Pixel-to-Pixel:** View the image at its native resolution.
- **Zoom-in:** Magnify parts of the image for critical focus.
- **Vector Scope:** Analyze color saturation and hue.
- **Check Field:** Isolate color channels (Red, Green, Blue).
- **False Colors:** Aid in exposure setting.
- **Peaking Filter:** Highlight in-focus areas.
- **Embedded Audio:** Monitor audio levels.
- **Screen Marker:** Display safe area markers.
- **Image Flip:** Flip the image horizontally or vertically.
- **Image Freeze:** Pause the live video feed.
- **Anamorphic Mode:** De-squeeze anamorphic footage.

Image: Overview of monitoring functions.

3.4 Loading Custom 3D LUTs

The P6XL supports up to 32 custom 3D LUTs for on-set color grading:

1. Save your custom .cube LUT files onto a USB flash drive.
2. Connect the USB flash drive to the monitor's Type-C port using the included USB-A to USB-C adapter.
3. Navigate to the LUTs menu on the monitor and select the option to import LUTs.
4. Choose the desired LUT files from the USB drive to load them onto the monitor.

Image: Loading custom 3D LUTs.

3.5 Screenshot and Image Overlay

The P6XL allows you to capture screenshots and overlay images for composition comparison:

- **Screenshot:** Capture the current display and save it to a USB flash drive.
- **Image Overlay:** Import a JPG image (via USB flash drive) and superimpose it over the live video feed. This feature assists in comparing composition and correcting displacement during shooting.

Image: Screenshot and image overlay function.

4. Maintenance

4.1 Cleaning the Monitor

- Use a soft, lint-free cloth to gently wipe the screen and body of the monitor.
- For stubborn smudges, slightly dampen the cloth with water or a screen-cleaning solution. Avoid harsh chemicals or abrasive materials.
- Ensure the monitor is powered off and disconnected from any power source before cleaning.

4.2 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid fully discharging the battery frequently.
- Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures to prolong battery life.

4.3 Sunshade Installation and Removal

The included sunshade helps reduce glare in bright conditions:

- **Installation:** Align the sunshade with the monitor's frame and gently snap it into place.
- **Removal:** Carefully detach the sunshade by applying gentle pressure to release the clips.

Image: Sunshade for the P6XL monitor.

5. Troubleshooting

5.1 Monitor Does Not Power On

- **Check Battery Level:** Ensure the built-in battery is sufficiently charged. Connect the monitor to a 9V charger and wait for the indicator light to turn green.
- **Power Button:** Confirm the power button is pressed and held for a few seconds to initiate power on.
- **Charging Issue:** If the monitor does not charge, try a different USB-C cable and a compatible 9V charger.

5.2 No Signal on Screen

- **HDMI Cable:** Ensure the HDMI cable is securely connected to both the camera's output and the monitor's

HDMI IN port. Try a different HDMI cable if available.

- **Camera Output:** Verify that your camera's HDMI output is active and configured correctly (e.g., resolution, frame rate).
- **Monitor Input:** Check the monitor's input settings to ensure it is set to the correct HDMI source.

5.3 Touchscreen Unresponsive

- **Restart Monitor:** Power off and then power on the monitor.
- **Clean Screen:** Ensure the screen is clean and free of dirt or moisture that might interfere with touch input.
- **Firmware Update:** Check the FEELWORLD website for any available firmware updates that might address touchscreen issues.

6. Specifications

Feature	Specification
Model	FEELWORLD P6XL
Screen Size	6 Inches
Resolution	1920 x 1080 (FHD 1080p)
Image Brightness	1200 nits
Battery	Built-in 22.2Wh/7.4V Lithium Ion (approx. 2 hours run-time at 100% brightness)
Input Ports	HDMI IN, USB Type-C (for charging/LUTs)
Product Dimensions	154mm x 87mm x 17mm (6.06 x 3.43 x 0.67 inches)
Item Weight	332g (0.73 lbs)
Manufacturer	FEELWORLD

Note: Product dimensions and weight are approximate and may vary slightly.

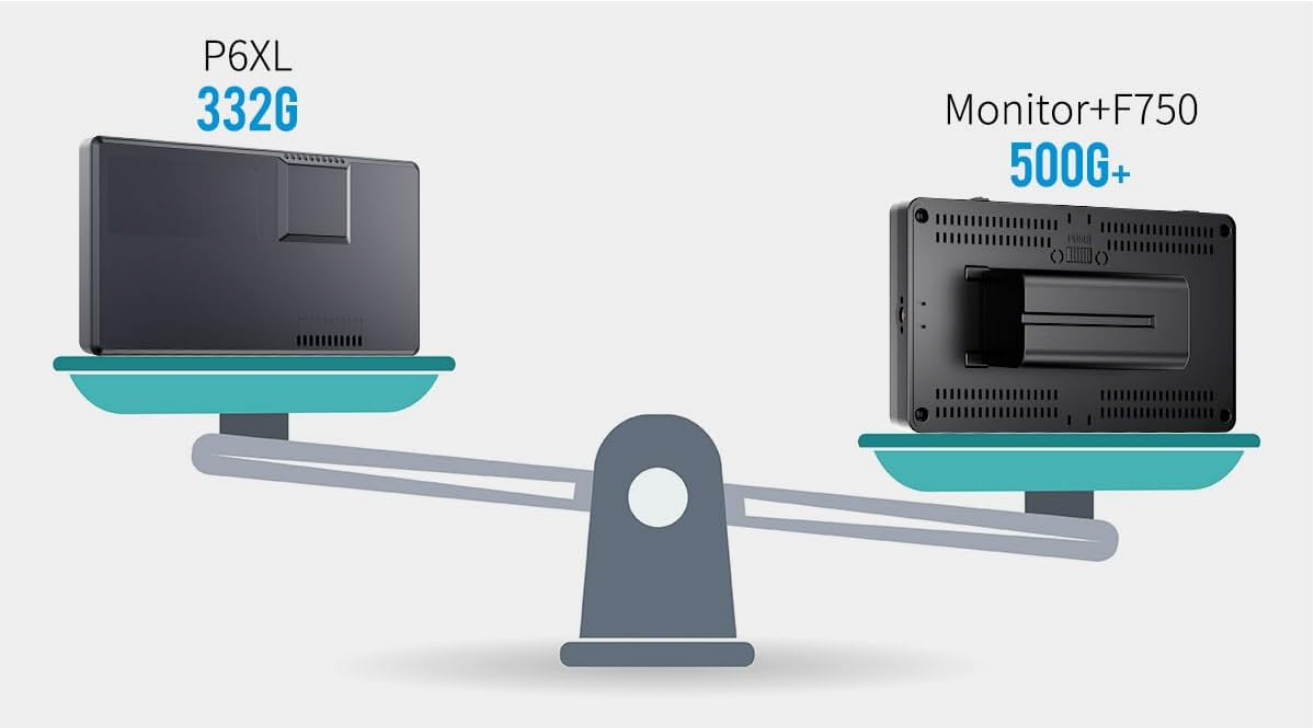

Image: P6XL weight comparison and dimensions (154mm x 87mm x 17mm).

7. Warranty Information

Specific warranty details for the FEELWORLD P6XL monitor are typically provided with the product packaging or can be obtained directly from the manufacturer or authorized reseller at the time of purchase. Please retain your proof of purchase for warranty claims.

8. Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact FEELWORLD customer support. You may find contact information on the official FEELWORLD website or through the seller from whom you purchased the product.
Visit the official FEELWORLD store for more information:FEELWORLD Store