FEELWORLD P6X

FEELWORLD P6X 5.5-inch Camera Field Monitor User Manual

Model: P6X

Brand: FEELWORLD

1. Introduction

The FEELWORLD P6X is a compact and high-brightness 5.5-inch camera field monitor designed for professional and amateur videographers. Featuring a 1000nit daylight-viewable touchscreen, 4K HDMI input/output, and a robust aluminum alloy housing, the P6X offers advanced monitoring functions to enhance your shooting workflow. This manual provides detailed instructions for setting up, operating, and maintaining your P6X monitor.

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 P6X Monitor
- 1 × Standard HDMI Cable
- 1 × Micro HDMI Cable
- 1 × Mini Hot Shoe Mount + Hex Wrench
- 1 × Type-C to USB Cable
- 1 × User Manual



Image: Contents of the FEELWORLD P6X package, including the monitor, various cables, hot shoe mount, and user manual.

3. Product Features

3.1 Display Characteristics

- **Screen Size:** 5.5 inches
- **Brightness:** 1000 nits (Daylight Visible)
- **Resolution:** 1920 x 1080 Full HD
- **Viewing Angle:** 160°
- **Contrast Ratio:** 1000:1
- **Color Depth:** 8-bit



Image: Comparison of 500nit and 1000nit brightness on the P6X monitor, demonstrating enhanced visibility in bright conditions.



Image: The P6X monitor displaying accurate colors, adhering to the Rec.709 color standard.

3.2 Design and Build

The P6X features a lightweight and rugged design, making it suitable for various shooting environments.

- **Material:** CNC machined aluminum alloy case
- **Weight:** 249 grams (0.54 lbs)
- **Thickness:** 2.2 cm (0.8 inches)



Image: The FEELWORLD P6X monitor showcasing its rugged and portable aluminum housing, with dimensions of 138.5x84.5x22 mm.

3.3 Professional Monitoring Tools

The P6X is equipped with a suite of professional monitoring functions to assist with accurate exposure and focus.

- Waveform, Vector Scope, Histogram
- 3D LUT Import (via SD card, up to 32 custom LUTs)
- Peaking Filter, False Colors, Zebra Exposure
- Zoom-in, Anamorphic Mode, Image Flip
- Nine Grid, Ratio Marker (including 9:16 vertical screen marker)
- Embedded Audio, Screen Marker, Image Freeze



Image: The P6X monitor displaying various functional upgrades and monitoring tools, including 3D LUT, Waveform, Histogram, and more.

Image: Instructions for loading 3D LUTs onto the P6X monitor using a USB flash drive and Type-C adapter.

3.4 Connectivity

The P6X offers versatile connectivity for various camera setups.

- **HDMI Input:** Supports up to 4096x2160/60p & 3840x2160/60p signals
- **HDMI Output:** Loop-through output for connecting to other devices
- **DC Power Input:** 12V DC
- **DC Power Output:** 8V DC for powering DSLRs or mirrorless cameras (dummy battery not included)
- **Type-C Input:** 5V 2A power supply
- **Audio Output:** 3.5mm Stereo Headphone Jack

Image: Diagram illustrating the various input and output interfaces on the FEELWORLD P6X monitor, including HDMI, DC, Type-C, and headphone jack.

3.5 Power Supply Options

The P6X can be powered using various methods to suit your shooting needs.

- NP-F series lithium batteries (F550, F750, F970)
- 12V 1.5A DC power adapter (5.5mm outer, 2.1mm inner diameter)
- 5V 2A Type-C power supply



Image: Diagram detailing the flexible power supply options for the P6X monitor, including NP-F battery compatibility, DC input, and Type-C input.

3.6 Other Features

- **Touch Controls:** Intuitive touch interface for menu navigation and settings adjustment.
- **Multi-language Support:** Supports up to 11 languages.
- **Built-in Fan:** 1-5 levels of active cooling to prevent overheating during extended use.

- **User Presets:** Save up to four groups of menu settings for quick recall.



Image: Visual guide to the convenient touch controls of the P6X monitor, demonstrating gestures for main menu, exit, volume, backlight, and zoom.



Image: Diagram showing the cooling holes and built-in fan mechanism of the P6X monitor, designed for efficient heat dissipation.

4. Setup

4.1 Mounting the Monitor

1. Attach the included Mini Hot Shoe Mount to your camera's hot shoe or a compatible mounting point.
2. Secure the P6X monitor to the hot shoe mount. Ensure it is tightened to prevent accidental detachment.

4.2 Connecting HDMI

1. Connect one end of the appropriate HDMI cable (Standard or Micro HDMI, depending on your camera) to your camera's HDMI output port.
2. Connect the other end of the HDMI cable to the HDMI IN port on the P6X monitor.
3. If you need to loop the signal to another monitor or device, connect an HDMI cable from the HDMI OUT port on the P6X to the input of the secondary device.

4.3 Powering the Monitor

Choose one of the following methods to power your P6X monitor:

- **Battery Power:** Insert a fully charged NP-F series battery into the battery plate on the back of the monitor.
- **DC Adapter:** Connect a 12V 1.5A DC power adapter to the DC IN port.
- **Type-C Power:** Connect a 5V 2A Type-C power source to the Type-C port.

To power your DSLR or mirrorless camera from the monitor, connect a compatible dummy battery cable (not included) from the P6X's 8V DC OUT port to your camera's battery compartment.



Image: The P6X monitor connected to a camera, demonstrating how its DC output can power a DSLR or mirrorless camera via a dummy battery.

5. Operating the Monitor

5.1 Power On/Off

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

5.2 Touchscreen Controls

The P6X features an intuitive touchscreen interface. Short press the power button to enable or disable the touch function.

- **Main Menu:** Tap the screen once to bring up the main menu.

- **Exit Menu:** Tap outside the menu area or use the back gesture.
- **Volume:** Swipe up/down on the right side of the screen.
- **Backlight:** Swipe up/down on the left side of the screen.
- **Zoom In/Out:** Pinch in/out with two fingers.

5.3 Menu Navigation and Settings

Access the main menu to adjust various settings and activate monitoring tools.

1. Tap the screen to open the main menu.
2. Navigate through menu options by tapping.
3. Adjust values using the touch sliders or arrow icons.
4. To import 3D LUTs: Navigate to the LUT menu, insert a USB flash drive (formatted to FAT32) containing .cube LUT files (max 7.9MB per file, English/numeric filename), and select 'Import LUT'.
5. To save user presets: Configure your desired settings, then navigate to the 'User Switch' menu and save to one of the four available preset groups. These can be quickly recalled later.

5.4 Using Monitoring Tools

Activate and customize monitoring tools from the menu to assist with your shooting.

- **Waveform/Vector/Histogram:** These modules can be moved freely on the screen to avoid obstructing your view.
- **Grids:** Customize grid lines and colors for composition assistance.
- **Ratio Markers:** Enable specific aspect ratio markers, including the 9:16 option for vertical video framing.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the monitor's body. For the screen, use a microfiber cloth specifically designed for electronics and a gentle screen cleaning solution if necessary. Avoid harsh chemicals.
- **Storage:** When not in use, store the monitor in a dry, cool place, away from direct sunlight and extreme temperatures. Use a protective case to prevent scratches and damage.
- **Battery Care:** If using batteries, ensure they are charged and stored properly. Remove batteries if the monitor will not be used for an extended period.

7. Troubleshooting

Problem	Possible Cause	Solution
Monitor does not power on.	Low or dead battery; power cable not connected; faulty power source.	Ensure battery is charged or replace it. Check power cable connections. Try a different power source.

Problem	Possible Cause	Solution
No video signal.	HDMI cable loose or faulty; incorrect input selected; camera not outputting signal.	Check HDMI cable connections. Ensure the correct input source is selected on the monitor. Verify camera's HDMI output settings.
Touchscreen unresponsive.	Touch function disabled; temporary software glitch.	Short press the power button to enable touch. Restart the monitor.
Image appears distorted or incorrect colors.	Incorrect color settings; active LUT applied incorrectly; faulty HDMI cable.	Reset display settings to default. Check if a LUT is active and disable it if necessary. Try a different HDMI cable.
Monitor overheats.	Fan setting too low; prolonged use in high temperatures.	Adjust the built-in fan speed in the menu. Ensure adequate ventilation around the monitor.

8. Specifications

Feature	Detail
Product Dimensions	0.86 x 5.45 x 3.32 inches (22 x 138.5 x 84.5 mm)
Item Weight	8.8 ounces (249g)
Item Model Number	P6X-OF-EU
Display Size	5.5 inch
Resolution	1920x1080
Brightness	1000nit
Contrast Ratio	1000:1
Viewing Angle	160°
HDMI Input/Output	4K (up to 4096x2160/60p)
Power Input	DC 12V, Type-C 5V
Power Output	DC 8V
Battery Type	NP-F series (e.g., F550, F750, F970)
Manufacturer	FEELWORLD

9. Warranty and Support

The FEELWORLD P6X monitor comes with an official 1-year warranty. For technical support, warranty claims, or service inquiries, please contact FEELWORLD customer support. US local after-sales support is available.
For more information, visit the official FEELWORLD website or contact your local distributor.

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