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FEELWORLD P6X

FEELWORLD P6X 5.5-Inch Camera Monitor Instruction Manual

Model: P6X

1. INTRODUCTION

The FEELWORLD P6X is a compact and durable 5.5-inch Full HD camera monitor designed for professional video production. It features a high-resolution IPS panel, 1000 nits brightness, and versatile control options including touch screen and physical buttons. This manual provides detailed instructions for setting up, operating, and maintaining your P6X monitor.



Image: The FEELWORLD P6X 5.5-inch Full HD Field Monitor, showcasing its display and compact design.

2. PRODUCT FEATURES

- **5.5-inch Full HD IPS Panel:** Provides 1920x1080 resolution with excellent detail and accurate color reproduction.
- **1000 nits High Brightness:** Ensures visibility in various lighting conditions, including outdoor use.
- **Rugged Aluminum Housing:** Durable and lightweight design (249g) for portability and protection.
- **Touch Screen and Button Operation:** Offers flexible control with intuitive tap/swipe gestures and three customizable shortcut buttons.
- **4K HDMI Input/Output:** Supports 4K video signals up to 60Hz.

- **Multiple Power Supply Options:** DC input, NP-F battery plate, and 5V Type-C input for versatile power solutions.
- **DC 8V Output:** Can power compatible DSLR or mirrorless cameras.
- **Multiple Mounting Points:** Equipped with 1/4" screw threads and includes a mini hot shoe mount adapter for flexible attachment.
- **Vertical Screen Marker (9:16):** Ideal for vertical video content creation.



Image: Icons representing key features of the P6X monitor, including CNC aluminum, high brightness, touch screen, HDMI 2.0, 9:16 marker, waveform, HDR monitoring, and custom 3D LUT.

3. SETUP AND CONNECTIONS

3.1 Physical Overview and Dimensions

Familiarize yourself with the monitor's ports and dimensions before setup.

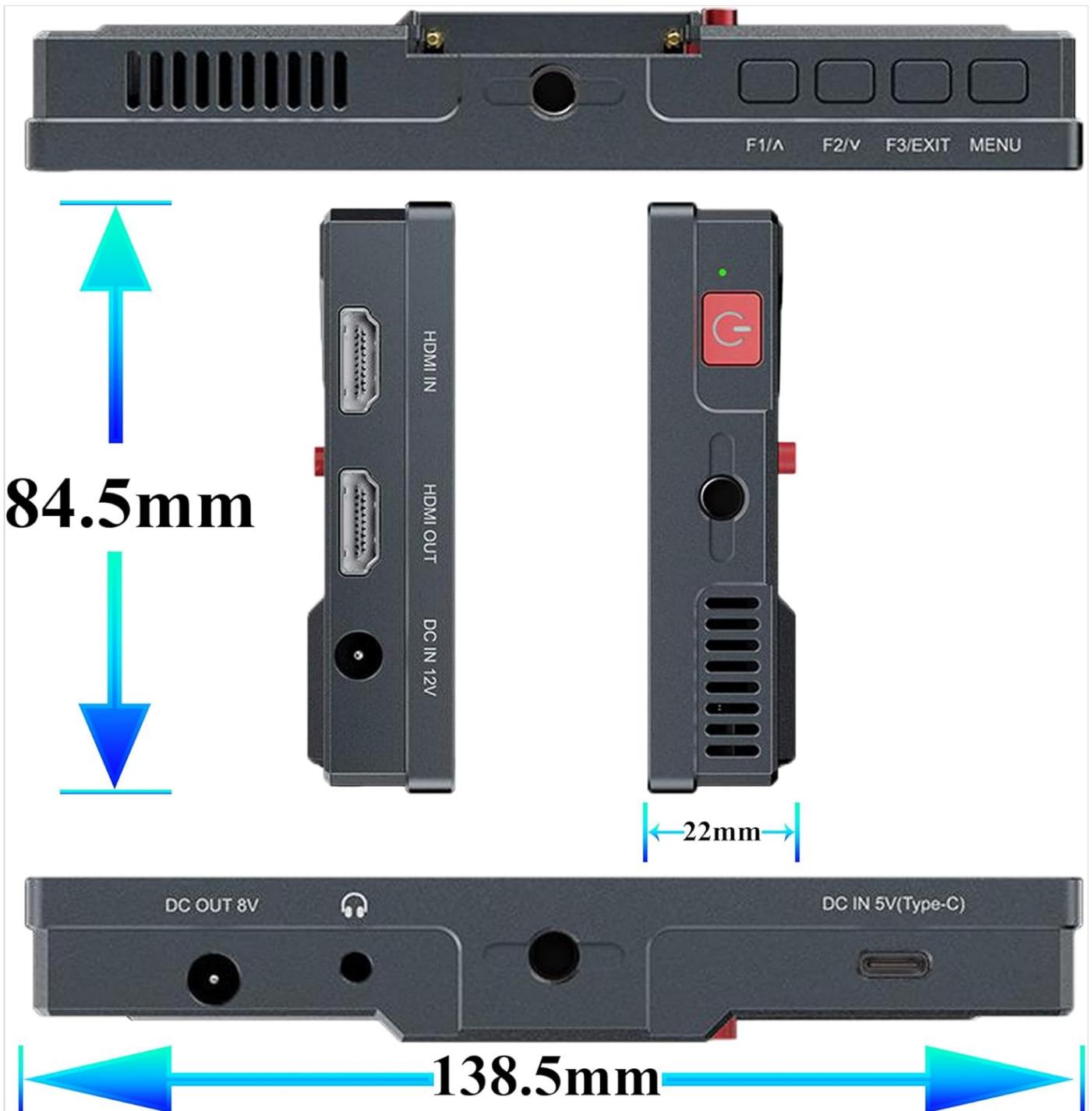


Image: Top, side, and bottom views of the FEELWORLD P6X monitor, showing its dimensions (84.5mm height, 22mm thickness, 138.5mm width) and port locations including HDMI In, HDMI Out, DC In 12V, DC Out 8V, and DC In 5V (Type-C).

3.2 Mounting the Monitor

The P6X monitor features three standard 1/4" mounting threads for versatile attachment to cameras, brackets, or magic arms. A mini hot shoe mount adapter is included for quick release and attachment to camera hot shoes.

- Attach the mini hot shoe mount adapter to the monitor's 1/4" screw thread.
- Secure the adapter onto your camera's hot shoe or a compatible mounting point.
- Adjust the viewing angle using the adapter's 180° tilt and 360° rotation capabilities.

Multiple Mounting Points

The monitor is equipped with 3 standard 1/4" mounting threads, you can easily mount it on the camera or other types of equipment with a magic arm, bracket, et. Meet the different monitoring for photographer or director.



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.



Image: The FEELWORLD P6X monitor mounted on a camera via a mini hot shoe adapter, demonstrating its adjustable viewing angles and the location of the 1/4" screw thread.

3.3 Powering the Monitor

The P6X offers multiple power input options:

- **DC 12V Input:** Connect a DC power adapter (5.5*2.1mm plug, 1.5A minimum) for continuous power.
- **NP-F Battery Plate:** Install an NP-F series battery (e.g., F750 for approximately 3 hours of operation) for mobile use.
- **5V Type-C Input:** Power the monitor using a mobile phone charger or power bank (minimum 5V/2A).

Multiple Power Supply

You can connect to DC power input to get continuous power (suitable for use 1.5A power adapter, DC 5.5*2.1mm power plug) or use the standard Np-Ff battery plate to install Np-F series battery for mobile application, Install one F750 battery (4400mah) last for about 3 hours. The monitor also provides a 5V Type-C input, which can be powered by mobile phone charger or power bank. (At least 5V/2A) Note: the battery excluding, please purchase separately.

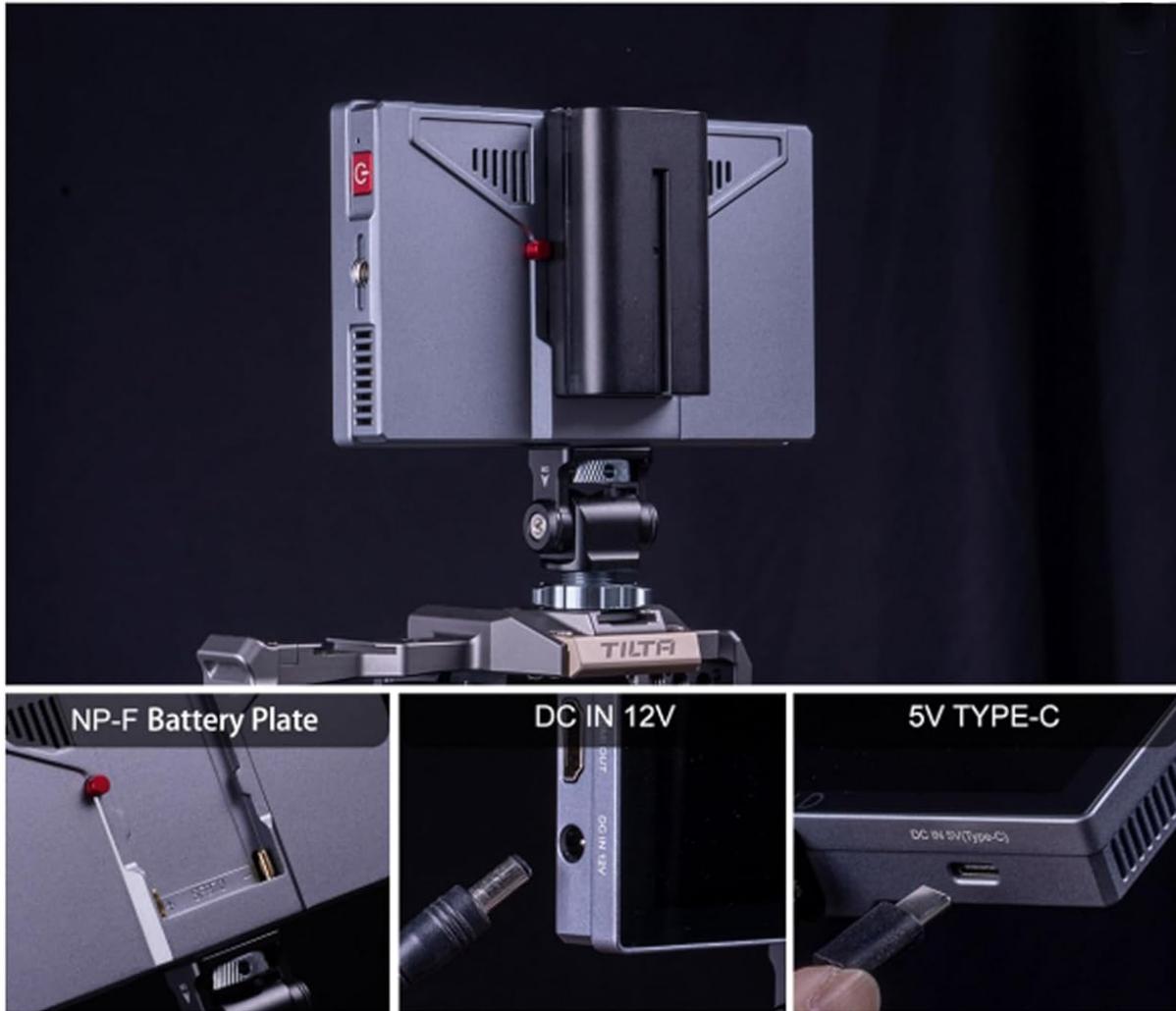


Image: The FEELWORLD P6X monitor with an NP-F battery attached, alongside close-ups of the NP-F battery plate, DC 12V input, and 5V Type-C input ports.

3.4 Connecting Video Sources (HDMI)

Connect your camera or video source to the monitor using the HDMI IN port. The monitor supports 4K HDMI signals up to 60Hz. You can also loop out the HDMI signal to another monitor or device via the HDMI OUT port.

- Supported HDMI Input Resolutions: 3840x2160p (60/59.94/50/48/47.95/30/29.97/25/24/23.98), 4096x2160p (60/59.94/50/48/47.95/30/29.97/25/24/23.98).

4K HDMI Input and Output & 60HZ High Speed Transmission



60Hz



30Hz



Image: The FEELWORLD P6X monitor displaying a video feed, with a close-up of the HDMI IN and HDMI OUT ports, highlighting 4K HDMI support and 60Hz high-speed transmission capabilities.

3.5 Powering External Devices (DC 8V Out)

The P6X monitor can provide auxiliary DC 8V power output (5.5*2.1mm cable) to power compatible DSLR or mirrorless cameras, extending their run-time. A dummy battery adapter (optional) may be required for your camera model.

DC 8V OUT

Power Your DSLR or Mirrorless Camera

P6X provides auxiliary dc 8V power out (suitable Dc 5.5*2.1mm power plug, allowing shooters to power their cameras. With a battery adapter cable (Optional), the P6X extends camera run-time, while providing a more usable display.



Image: The FEELWORLD P6X monitor connected to and powering a DSLR camera via its DC 8V output, with a close-up of the DC OUT 8V port and the dummy battery adapter in the camera.

4. OPERATING INSTRUCTIONS

4.1 Touch Screen Control

The P6X features an intuitive touch screen interface. Use simple tap and swipe gestures to access and control monitoring functions without relying on physical buttons.

- **Tap:** Select menu items or activate functions.
- **Swipe:** Navigate through menus or adjust settings.

Multiple Modes of Operation

Button Operation



P6X provides button operation. Especially the three custom shortcut buttons, the photographer can set the short cut functions in advance according to the actual needs of the shooting site, and quickly call up the required functions during the shooting process, greatly improving the shooting efficiency.

Touch Screen Control

The innovative touch screen LCD user interface provides incredible control. You can use simple tap and swipe gestures for the important monitoring functions without buttons.



Image: The FEELWORLD P6X monitor showing both touch screen interaction and the physical buttons (F1/A, F2/V, F3/EXIT, MENU) for operation.

4.2 Button Operation

In addition to touch control, the P6X provides physical buttons for operation, including three customizable shortcut buttons (F1/A, F2/V, F3/EXIT) and a MENU button.

- **Custom Shortcut Buttons (F1/A, F2/V, F3/EXIT):** These buttons can be programmed to quickly access frequently used functions. Refer to the on-screen menu for customization options.
- **MENU Button:** Press to access the main menu for comprehensive settings and features.

4.3 Key Monitoring Functions

The P6X monitor includes various professional monitoring tools:

- **3D LUT:** Apply custom Look Up Tables for accurate color preview.
- **Waveform, Vectorscope, Histogram:** Analyze video signal levels and color distribution.
- **Exposure Tools:** False Color, Zebra Stripes for exposure assistance.
- **Focus Assist:** Peaking Filter to highlight in-focus areas.

- **Framing Guides:** Nine Grid, Ratio Marker (including 9:16 vertical), Safe Frames.
- **Zoom-in, Pixel-to-Pixel:** For detailed image inspection.
- **Anamorphic Mode:** De-squeeze anamorphic footage.
- **Embedded Audio:** Monitor audio levels.



Image: The FEELWORLD P6X monitor displaying a vertical screen marker (9:16 ratio) overlay, useful for framing content for social media platforms.

5. MAINTENANCE

- Keep the monitor clean using a soft, dry cloth. For stubborn smudges, use a screen-specific cleaning solution applied to the cloth, not directly to the screen.
- Avoid exposing the monitor to extreme temperatures, humidity, or direct sunlight for extended periods.
- Store the monitor in a protective case when not in use to prevent scratches and damage.
- Ensure all cables are connected securely and are not under strain.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Monitor does not power on.	No power, low battery, or incorrect power connection.	Check power cable connection. Ensure battery is charged or replace with a charged one. Verify power adapter specifications (5V/2A for Type-C, 1.5A for DC 12V).
No video signal.	Incorrect HDMI connection, incompatible resolution, or camera output issue.	Ensure HDMI cable is securely connected to both monitor (HDMI IN) and camera. Verify camera's HDMI output settings match supported resolutions. Try a different HDMI cable.
Screen is too dim or too bright.	Brightness settings are incorrect.	Adjust the brightness setting in the monitor's menu.
Touch screen unresponsive.	Temporary software glitch or screen protector interference.	Restart the monitor. Ensure the screen is clean and free of debris. If a screen protector is used, ensure it is properly applied.

7. SPECIFICATIONS

Feature	Detail
Display Size	5.5 inches
Resolution	1920x1080 Full HD
Brightness	1000 nits
Viewing Angle	160° Wide
Housing Material	CNC Aluminum
Control Interface	Touch Screen, Physical Buttons
HDMI Input/Output	4K 60Hz Support
Power Input	DC 12V, NP-F Battery Plate, 5V Type-C
Power Output	DC 8V (for camera power)
Item Weight	249g (0.55 lbs)
Dimensions	Approx. 138.5mm x 84.5mm x 22mm

8. PACKAGE CONTENTS

The standard package for the FEELWORLD P6X monitor includes the following items:

- FEELWORLD P6X Monitor
- Micro HDMI Cable
- A-A HDMI Cable
- Mini Hot Shoe Mount + Hex Wrench
- Type-C to USB Cable
- Instruction Manual

PACKING LIST



Monitor



Micro HDMI Cable



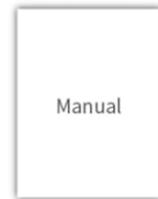
A-A HDMI Cable



Mini Hot Shoe Mount + Hex Wrench



TYPE-C to USB



Manual

Manual

Image: A visual representation of the FEELWORLD P6X monitor and its included accessories: Micro HDMI Cable, A-A HDMI Cable, Mini Hot Shoe Mount + Hex Wrench, Type-C to USB Cable, and Instruction Manual.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official FEELWORLD website or contact your local distributor. Keep your purchase receipt for warranty claims.

Manufacturer: Feelworld

Date First Available: February 28, 2024