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› FEELWORLD P173-9HSD 17.3 Inch Broadcast Production Monitor User Manual

FEELWORLD P173-9HSD

FEELWORLD P173-9HSD 17.3 Inch Broadcast Production Monitor User Manual

Model: P173-9HSD

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your FEELWORLD P173-9HSD 17.3 Inch Broadcast Production Monitor. Please read this manual thoroughly before using the product to ensure proper and safe operation.



Figure 1: FEELWORLD P173-9HSD Broadcast Production Monitor

2. SAFETY INFORMATION

To prevent damage and ensure safe operation, observe the following precautions:

- Do not expose the monitor to rain or moisture.
- Do not open the monitor casing; refer all servicing to qualified personnel.
- Use only the specified power adapter.
- Avoid placing the monitor near heat sources or in direct sunlight.
- Ensure proper ventilation to prevent overheating.
- Clean the monitor with a soft, dry cloth. Avoid liquid cleaners.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- FEELWORLD P173-9HSD Monitor
- 1x 3A DC Power Adapter
- 1x V Battery Plate
- 1x Mini HDMI Cable
- 1x Tally Kit
- 1x Sunshade
- 1x U Bracket
- 1x Operation Manual (this document)



Figure 2: Included accessories with the P173-9HSD monitor.

4. PRODUCT OVERVIEW AND FEATURES

The FEELWORLD P173-9HSD is a 17.3-inch broadcast production monitor designed for professional video applications. It features a 1920x1080 Full HD display and a robust set of monitoring tools.

4.1 Key Features

- **1920x1080 Full HD Display:** Native 1920x1080 resolution with 400cd/m2 brightness and wide 160-degree viewing angles.
- **Multi-Input/Output Connectivity:** Supports HDMI, 3G-SDI, AV, and YPbPr inputs, with HDMI and 3G-SDI outputs.
- **Professional Monitoring Functions:** Includes Peaking Focus Assist, Center Marker, Screen Marker, Image Freeze, Image Flip, Camera 5D II Mode, Check Field, Pixel to Pixel, Zoom All, U/D & L/R Zoom, Aspect Ratio, and Color Temperature Adjustment.
- **3-Color Tally Light System:** Front and rear tally lights for live, preview, and standby status indication.
- **Triple Power Input Solutions:** Supports DC 12V barrel, XLR connector, and V-mount battery plate for flexible power options.
- **Durable Design:** Solid aluminum shell with an adjustable U-bracket for various viewing angles.

4.2 Front Panel Controls

Innovation OSD Operation



Professional Monitoring

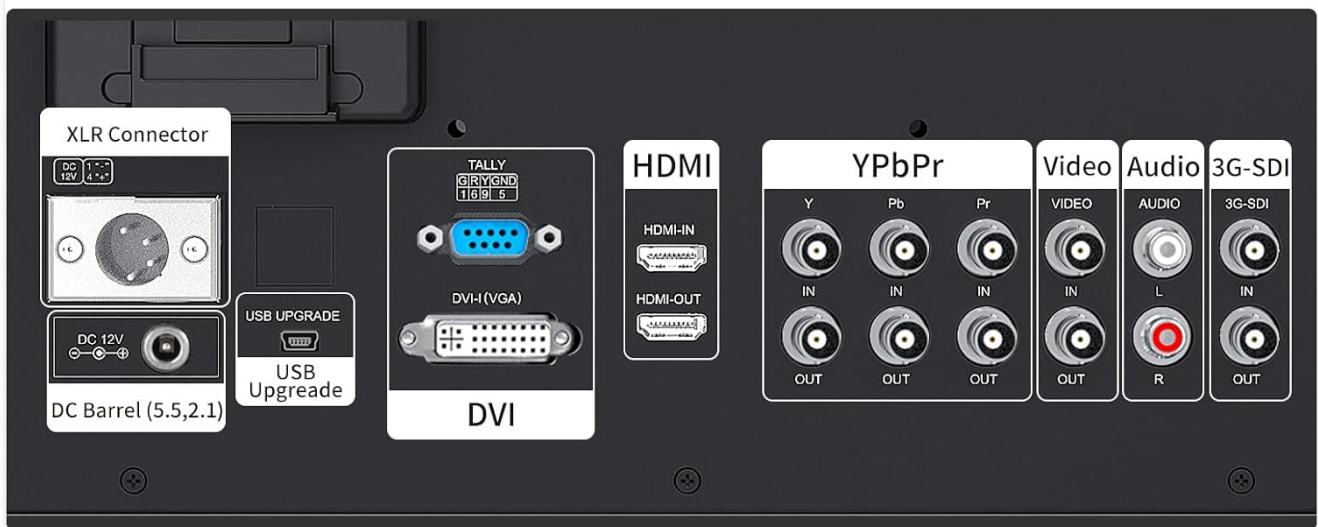


Figure 3: Front Panel Layout

The front panel includes buttons for input selection (VGA, DVI, VIDEO, YPbPr, HDMI, SDI), function keys (F1-F4), menu navigation (MENU/←, ESC/+, FOCUS), and power (ON/OFF).

4.3 Rear Panel Connections

Triple Power Input Solutions



Figure 4: Rear Panel Connectivity

The rear panel provides various input and output ports, including HDMI IN/OUT, 3G-SDI IN/OUT, YPbPr IN/OUT, Video IN/OUT, DVI, and power inputs (XLR, DC 12V barrel, V-mount battery plate). A USB port is available for firmware upgrades.

5. SETUP

5.1 Mounting the Monitor

The P173-9HSD monitor comes with an adjustable U-bracket for desktop use.

1. Attach the U-bracket to the monitor using the provided screws.
2. Place the monitor on a stable, flat surface.
3. Adjust the angle of the monitor by loosening the side knobs, setting the desired tilt, and then tightening the knobs.

Adjuustable Bracket



Portable Sunshade



Figure 5: Adjustable Bracket and Sunshade Installation

5.2 Attaching the Sunshade

The included sunshade can be attached to the monitor to reduce glare in bright environments.

1. Align the sunshade with the grooves around the monitor's bezel.
2. Securely attach the sunshade, ensuring it is firmly in place.

5.3 Power Connection

The monitor supports three power input methods:

- **DC 12V Barrel:** Connect the provided 3A DC power adapter to the DC 12V input port.
- **XLR Connector:** For professional power supplies, connect an XLR power cable to the XLR input.
- **V-Mount Battery Plate:** Attach a compatible V-mount battery to the V battery plate on the rear of the monitor.

Ensure only one power source is connected at a time unless specified otherwise by the manufacturer.

5.4 Video Input Connections

Connect your video source to the appropriate input port on the rear panel:

- **HDMI:** Use the Mini HDMI cable (or a standard HDMI cable) to connect to the HDMI IN port.
- **3G-SDI:** Connect an SDI cable to the 3G-SDI IN port.
- **YPbPr:** Connect component video cables to the YPbPr IN ports.
- **AV:** Connect composite video cables to the Video IN ports.
- **DVI:** Connect a DVI cable to the DVI input port.

If using video outputs, connect additional monitors or devices to the HDMI OUT or 3G-SDI OUT ports.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the **ON/OFF** button on the front panel to power the monitor on or off. The power indicator light will illuminate when the monitor is on.

6.2 Input Selection

Use the dedicated input buttons (VGA, DVI, VIDEO, YPbPr, HDMI, SDI) on the front panel to switch between different video sources.

6.3 OSD Menu Navigation

The On-Screen Display (OSD) menu allows you to configure monitor settings.

- Press the **MENU/-** button to open the OSD menu.
- Use the **MENU/-** and **ESC/+** buttons to navigate through menu options.
- Press the **FOCUS** button (often acts as Enter/Confirm) to select an option or confirm a setting.
- Press the **ESC/+** button to exit the current menu or return to the previous level.

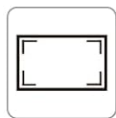
6.4 Using Advanced Functions

The P173-9HSD includes several professional monitoring tools accessible via the OSD menu or programmable function keys (F1-F4).

Advanced Features



DSLR Scale



Screen Marker



Peaking Filter



Image Freeze



Check Field



Color Temperature



Image Flip



Center Marker

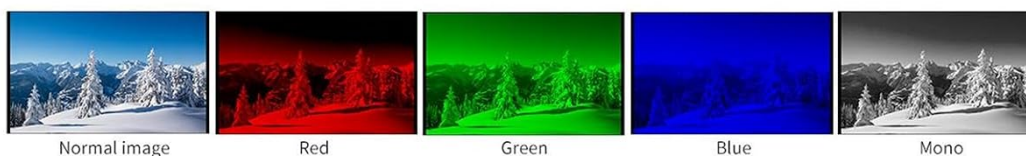


Normal image



Objects in focus with red peaking

Check Field



Normal image

Red

Green

Blue

Mono

Image Flip



Normal image

Horizontal

Vertical

Hor&Ver

Figure 6: Advanced Monitoring Features

- **Peaking Focus Assist:** Highlights sharp edges in red, green, or blue to aid in achieving precise focus.
- **Center Marker / Screen Marker:** Displays guides for framing and composition.
- **Image Freeze:** Pauses the current video frame.
- **Image Flip:** Flips the image horizontally, vertically, or both. Useful for various mounting orientations.
- **Check Field:** Displays a single color channel (Red, Green, Blue, or Mono) to assist with color calibration.
- **Pixel to Pixel:** Displays the image at its native resolution without scaling.
- **Zoom All / U/D & L/R Zoom:** Provides various zoom options for detailed inspection.
- **Aspect Ratio:** Adjusts the display aspect ratio.
- **Color Temperature Adjustment:** Fine-tunes the color temperature of the display.

Refer to the OSD menu for specific settings and customization of these functions.

6.5 Tally Light System

The monitor features a 3-color tally light system (Red, Green, Yellow) on both the front and rear panels. These

lights indicate the status of the video feed in a multi-camera setup.

Red, Green, Yellow Color Tally Light

There are tally lights in front panel and backwards which controlled Via DP-9 Barrel on rear



Figure 7: Tally Light Indicators

- **Red:** Indicates the camera is live (On Air).
- **Green:** Indicates the camera is on preview.
- **Yellow:** Indicates the camera is on standby.

The tally lights are controlled via the DP-9 barrel connector on the rear panel, typically connected to a switcher or tally system.

7. MAINTENANCE

7.1 Cleaning the Monitor

- Always power off the monitor and disconnect it from the power source before cleaning.
- Use a soft, dry, lint-free cloth to wipe the screen and casing.
- For stubborn marks, lightly dampen the cloth with water. Avoid using alcohol, solvents, or abrasive cleaners.
- Do not spray liquid directly onto the screen or into any openings.

7.2 Storage

When not in use for extended periods, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures. Use the original packaging or a protective case to prevent dust and physical damage.

8. TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on screen	No power; incorrect input selected; faulty video cable; video source off.	Check power connection and adapter. Ensure monitor is powered on. Select correct input source. Verify video cable connection. Turn on video source.
Image is distorted or flickering	Loose video cable; incompatible resolution/refresh rate; interference.	Secure video cable connections. Adjust video source resolution/refresh rate to match monitor specifications. Move monitor away from strong electromagnetic sources.
No audio	Audio muted; volume too low; faulty audio cable (if external speakers); no audio in video signal.	Check monitor volume settings. Ensure audio is not muted. Verify audio cable connection. Confirm video source is sending audio.
Tally light not working	Tally cable not connected; tally system not configured correctly.	Ensure the tally cable is securely connected to the DP-9 port. Verify your tally system is sending the correct signals.

If the problem persists after trying these solutions, please contact customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	FEELWORLD
Model Name	P173-9HSD
Screen Size	17.3 Inches
Resolution	1920 x 1080 (FHD 1080p)
Aspect Ratio	16:9
Contrast Ratio	1000:1
Brightness	400 cd/m2
Viewing Angle	160 Degrees
Display Type	LED

Feature	Specification
Connectivity Technology	HDMI, 3G-SDI, YPbPr, AV, DVI
Item Weight	3.2 Kilograms
Additional Features	Peaking Focus Assist, Center Marker, Screen Marker, Image Freeze, Image Flip, Camera 5D II Mode, Check Field, Pixel to Pixel, Zoom All, U/D & L/R Zoom, Aspect Ratio, Color Temperature Adjustment, 3 Color Tally Light, Built-in Speakers, 3.5mm Stereo Earphone Jack

10. WARRANTY INFORMATION

The FEELWORLD P173-9HSD Broadcast Production Monitor comes with a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation. Please retain your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For technical assistance, warranty service, or further inquiries, please contact FEELWORLD customer support.

- **Website:** www.feelworld.cn (Please check the official website for the most current contact information)
- **Email:** Refer to the official website for support email addresses.
- **Phone:** Refer to the official website for support phone numbers.

When contacting support, please have your monitor's model number (P173-9HSD) and purchase details ready.