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› FEELWORLD P215-9HSD 21.5 Inch Broadcast Production Monitor User Manual

## FEELWORLD P215-9HSD

# FEELWORLD P215-9HSD 21.5 Inch Broadcast Production Monitor User Manual

Model: P215-9HSD

## 1. INTRODUCTION

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Thank you for choosing the FEELWORLD P215-9HSD 21.5 Inch Broadcast Production Monitor. This monitor is designed for professional video production environments, offering a 1920x1080 Full HD display, multiple input/output options including 4K HDMI and 3G-SDI, and advanced monitoring features. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.



Figure 1.1: Front view of the FEELWORLD P215-9HSD monitor, highlighting its 21.5-inch screen, Full HD 1920x1080 resolution, 3000:1 contrast, and 250 nits brightness.

## 2. SAFETY INFORMATION

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- **Power Source:** Use only the provided 3A DC power adapter. Ensure the power supply voltage is within the specified range.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the monitor to prevent overheating.
- **Water and Moisture:** Do not expose the monitor to rain, moisture, or immerse it in water. If liquid enters the unit, disconnect power immediately and contact service personnel.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Placement:** Place the monitor on a stable surface. Avoid placing it in direct sunlight, near heat sources, or in environments with excessive dust or vibration.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

## 3. PACKAGE CONTENTS

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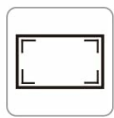
Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- FEELWORLD P215-9HSD 21.5 Inch Broadcast Production Monitor
- 3A DC Power Adapter
- V Battery Plate
- Mini HDMI Cable
- Tally Kit
- Sunshade
- U Bracket
- Operation Manual

# Advanced Features



DSLR Scale



Screen Marker



Peaking Filter



Image Freeze



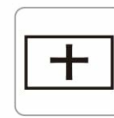
Check Field



Color Temperature



Image Flip



Center Marker



Normal image



Objects in focus with red peaking

## Check Field



Red



Green



Blue



Gray

## Image Flip



Normal image



Horizontal



Vertical



Hor & Ver

Figure 3.1: Included accessories with the FEELWORLD P215-9HSD monitor, showing the monitor, Mini HDMI cable, V battery plate, 3A power adapter, Tally Kit, Jib Crane Bracket (U bracket), and Operation Manual.

## 4. PRODUCT OVERVIEW

## 4.1 Front Panel Controls

The front panel features various buttons and indicators for controlling the monitor's functions and navigating the On-Screen Display (OSD) menu.

- **Input Selection Buttons:** SDI, HDMI, VIDEO, YPbPr for selecting video sources.
- **Function Buttons (F1-F6):** Customizable shortcut buttons for quick access to frequently used features.
- **MENU/ESC/◀/▶ Buttons:** Used for OSD menu navigation, entering sub-menus, and adjusting settings.
- **FOCUS Button:** Activates peaking focus assist.
- **ON/OFF Button:** Powers the monitor on or off.
- **Built-in Speakers:** For audio monitoring.
- **3.5mm Stereo Earphone Jack:** For private audio monitoring.

## 4.2 Rear Panel Connections

The rear panel provides all necessary input and output ports for connecting video and audio sources, as well as power.

- **DVI Input:** Digital Visual Interface input.
- **HDMI Input/Output:** High-Definition Multimedia Interface for both input and loop-through output.
- **YPbPr Input:** Component video input.
- **Video Input/Output:** Composite video input and loop-through output.
- **Audio Input/Output:** RCA connectors for analog audio.
- **3G-SDI Input/Output:** Serial Digital Interface for professional video input and loop-through output.
- **XLR Connector:** For professional audio input.
- **DC Barrel (5.5, 2.1):** Power input for the 3A DC adapter.
- **USB Upgrade Port:** For firmware updates.
- **LAN IN:** Ethernet port.
- **TALLY Port:** DP-9 connector for Tally light control.

# Innovation OSD Operation



## Professional Monitoring

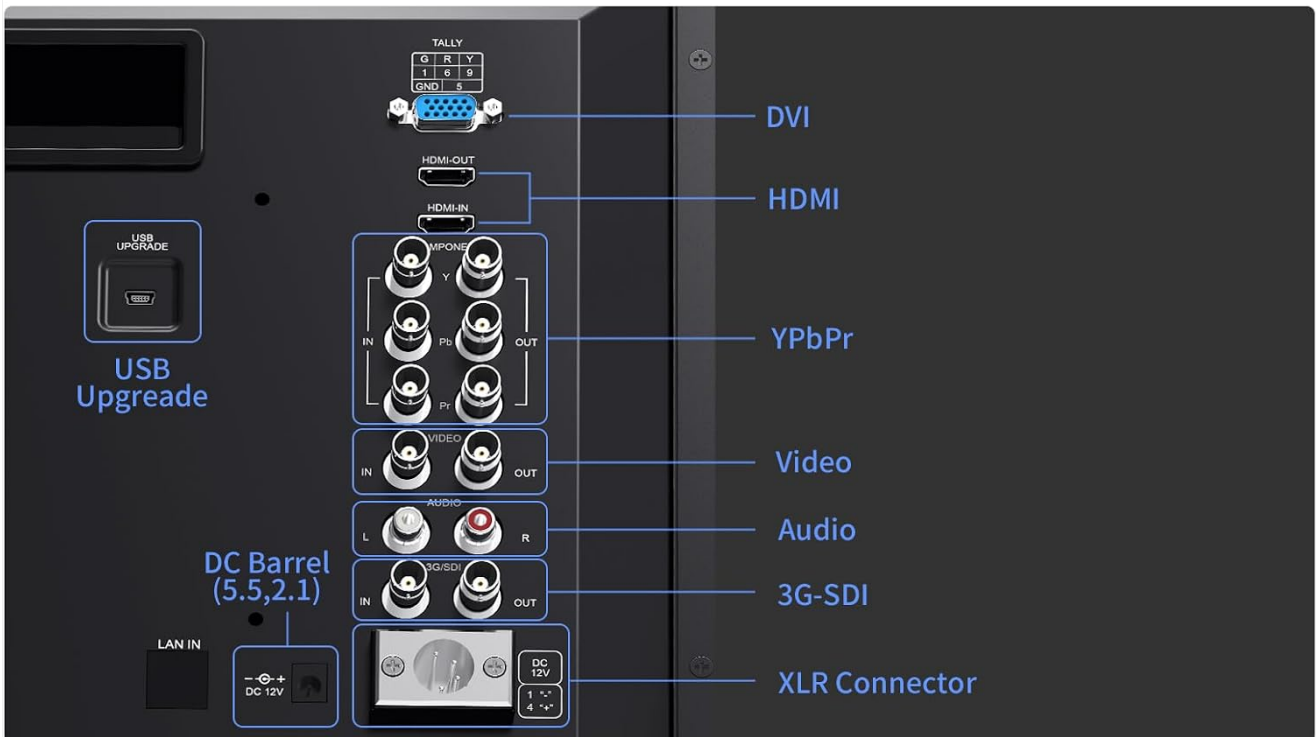
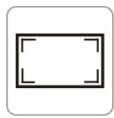


Figure 4.1: Top section shows the front panel OSD operation buttons. Bottom section details the rear panel connections including DVI, HDMI, YPbPr, Video, Audio, 3G-SDI, XLR, DC power, USB, LAN, and Tally.

# Advanced Features



DSL R Scale



Screen Marker



Peaking Filter



Image Freeze



Check Field



Color Temperature

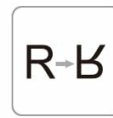


Image Flip



Center Marker



Normal image



Objects in focus with red peaking

## Check Field



Red



Green



Blue



Gray

## Image Flip



Normal image



Horizontal



Vertical



Hor & Ver

Figure 4.2: Close-up view of the rear panel, emphasizing the 3G-SDI, HDMI, Video, and Audio input/output connections, along with the USB upgrade port and DC power input.

## 5. SETUP

### 5.1 Mounting the Monitor

The monitor comes with an adjustable U bracket for desktop placement. Ensure the bracket is securely attached to the monitor and placed on a stable, flat surface. The monitor also supports VESA mounting for alternative setups (mounting hardware not included).

### 5.2 Connecting Power

1. Connect the provided 3A DC power adapter to the DC barrel input on the rear of the monitor.
2. Plug the power adapter into a suitable power outlet.
3. Alternatively, attach a compatible V-mount battery to the V Battery Plate on the rear of the monitor for portable power.

### 5.3 Connecting Video Sources

Connect your video source (camera, video switcher, etc.) to the appropriate input port on the monitor's rear panel.

- **HDMI:** Use an HDMI cable (Mini HDMI cable included) to connect to the HDMI IN port.
- **3G-SDI:** Use an SDI cable to connect to the 3G-SDI IN port.
- **YPbPr:** Use component video cables to connect to the YPbPr IN ports.
- **Video:** Use a composite video cable to connect to the VIDEO IN port.

If you need to loop out the signal to another device, connect an appropriate cable from the corresponding OUT port (HDMI OUT, 3G-SDI OUT, VIDEO OUT) to your next device.

## 6. OPERATING INSTRUCTIONS

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### 6.1 Powering On/Off

Press the **ON/OFF** button on the front panel to power the monitor on or off.

### 6.2 Input Selection

Press the corresponding input button (**SDI**, **HDMI**, **VIDEO**, **YPbPr**) on the front panel to switch between video sources.

### 6.3 OSD Menu Navigation

Press the **MENU** button to open the On-Screen Display menu. Use the ◀ and ▶ buttons to navigate through menu options and adjust values. Press **MENU** again to confirm a selection or **ESC** to exit the menu.

### 6.4 Advanced Functions

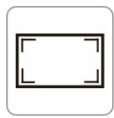
The monitor includes several advanced features to assist with professional monitoring:

- **Peaking Focus Assist:** Highlights sharp edges in the image to aid in achieving precise focus. Activate with the **FOCUS** button or assign to a function button.
- **Center Marker:** Displays a crosshair in the center of the screen.
- **Screen Marker:** Provides various aspect ratio markers (e.g., 16:9, 4:3, 2.35:1) and safety area markers.
- **Image Freeze:** Pauses the current video frame.
- **Image Flip:** Flips the image horizontally, vertically, or both. Useful for specific mounting orientations.
- **Camera 5D II Mode:** Optimizes display for Canon 5D Mark II camera output.
- **Check Field:** Displays only Red, Green, Blue, or Mono channels for color calibration.
- **Pixel to Pixel:** Displays the image at its native resolution without scaling.
- **Zoom All:** Magnifies the entire image.
- **U/D & L/R Zoom:** Allows independent vertical and horizontal zooming.
- **Aspect Ratio:** Adjusts the display aspect ratio.
- **Color Temperature Adjustment:** Allows fine-tuning of the display's color temperature.

# Advanced Features



DSLR Scale



Screen Marker



Peaking Filter



Image Freeze



Check Field



Color Temperature

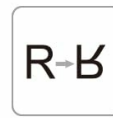


Image Flip



Center Marker



Normal image



Objects in focus with red peaking

## Check Field



Red



Green



Blue



Gray

## Image Flip



Normal image



Horizontal



Vertical



Hor & Ver

Figure 6.1: Visual demonstration of advanced features including Peaking Filter (red peaking), Check Field (Red, Green, Blue, Gray channels), and Image Flip (Normal, Horizontal, Vertical, Horizontal & Vertical).

## 6.5 Tally Light System

The monitor features a 3-color Tally light system (Red, Green, Yellow) on both the front and rear panels, controlled via the DP-9 Tally port. This allows for clear indication of live, preview, and standby states in a multi-camera setup.

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

# Red,Green,Yellow Color Tally Light

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

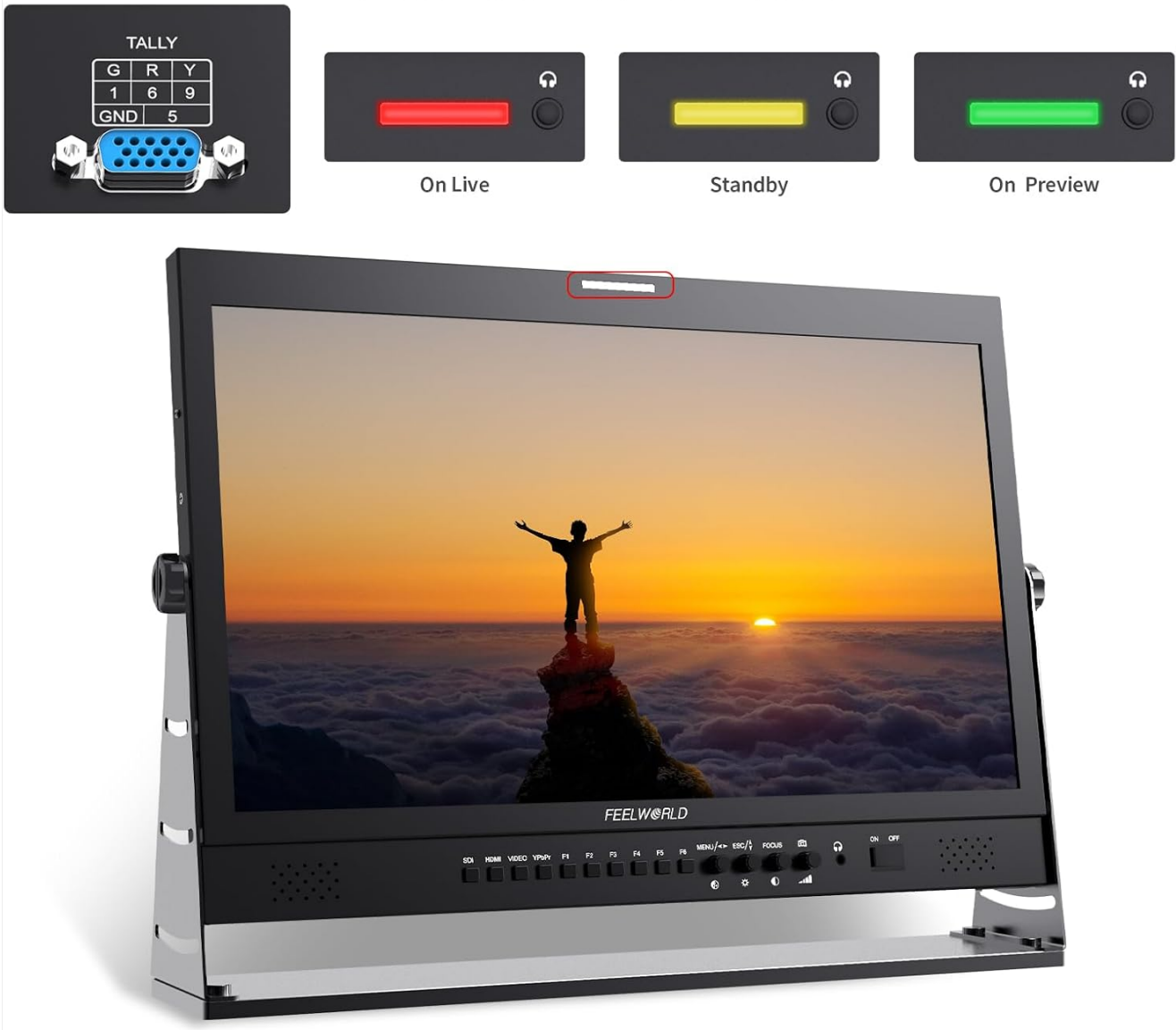


Figure 6.2: Illustration of the Red, Green, and Yellow Tally lights and their corresponding states (On Live, Standby, On Preview), controlled via the DP-9 Barrel on the rear.

## 7. MAINTENANCE

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, slightly dampen the cloth with water or a screen-specific cleaning solution. Do not spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to wipe the monitor's casing. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the FEELWORLD official website for any available firmware updates to ensure optimal performance and access to new features. Use the USB Upgrade Port for this purpose.

## 8. TROUBLESHOOTING

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

| Problem                                | Possible Cause                                                                                | Solution                                                                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No power                               | Power adapter not connected or faulty; power outlet issue.                                    | Ensure power adapter is securely connected to monitor and outlet. Test outlet with another device. Check if V-mount battery is charged and properly installed.                       |
| No video signal                        | Incorrect input selected; cable not connected or faulty; source device not outputting signal. | Select the correct input source (HDMI, SDI, etc.). Check all video cables for secure connection. Verify the source device is powered on and outputting video. Try a different cable. |
| Image is distorted or incorrect colors | Incorrect display settings; faulty cable; source issue.                                       | Reset monitor settings to default via OSD menu. Check cable connections. Verify source device output. Adjust color temperature settings.                                             |
| No audio                               | Audio cable not connected; volume too low; source device not outputting audio.                | Ensure audio cables are connected (if applicable). Increase monitor volume. Check audio settings on the source device.                                                               |
| Tally light not working                | Tally cable not connected or faulty; switcher not sending Tally signal.                       | Ensure the Tally Kit is correctly wired and connected to the DP-9 port. Verify your video switcher is configured to send Tally signals.                                              |

## 9. SPECIFICATIONS

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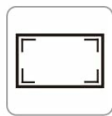
Detailed technical specifications for the FEELWORLD P215-9HSD Broadcast Production Monitor:

- **Screen Size:** 21.5 Inches
- **Native Resolution:** 1920 x 1080 (Full HD)
- **Display Type:** LED IPS Panel
- **Aspect Ratio:** 16:9
- **Brightness:** 400 cd/m<sup>2</sup>
- **Viewing Angle:** 160 Degrees (H/V)
- **Contrast Ratio:** 3000:1
- **Color Depth:** 8-bit, 16.7 Million Colors
- **Video Inputs:** 1x HDMI, 1x 3G-SDI, 1x YPbPr, 1x Video, 1x DVI
- **Video Outputs:** 1x HDMI, 1x 3G-SDI, 1x Video
- **Audio Inputs:** Analog Audio (RCA), XLR
- **Audio Outputs:** 3.5mm Stereo Earphone Jack, Built-in Speakers
- **Power Input:** DC 12V (3A)
- **Connectivity Technology:** HDMI, 3G-SDI
- **Special 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

# Advanced Features



DSL R 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



Red



Green



Blue



Gray

## Image Flip



Normal image



Horizontal



Vertical



Hor & Ver

Figure 9.1: Overview of key specifications and features including 8-bit color, HDMI input/output, 3G-SDI input/output, 1920x1080 resolution, 3000:1 contrast, and 250 nits brightness.

## 10. WARRANTY AND SUPPORT

The FEELWORLD P215-9HSD 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.

For warranty claims, technical support, or service inquiries, please contact your authorized FEELWORLD dealer or visit the official FEELWORLD website for customer service contact information. Please retain your proof of purchase for warranty validation.

For more information about FEELWORLD products, visit the [FEELWORLD Store on Amazon](#).