

## SEETEC P133 PRO

# SEETEC P133 PRO Broadcast Monitor User Manual

Model: P133 PRO

## 1. INTRODUCTION

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This manual provides instructions for the operation and maintenance of the SEETEC P133 PRO 13.3-inch High Bright Broadcast Monitor. Please read this manual thoroughly before using the product to ensure proper and safe operation.

The SEETEC P133 PRO is a professional 13.3-inch Full HD 1920x1080 monitor designed for broadcast and video production environments. It features 1000nits high brightness, 3G-SDI, HDMI, and DVI inputs, 3D LUT support, HDR monitoring, and various auxiliary functions for precise video monitoring.

## 2. PACKAGE CONTENTS

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Verify that all items are present in the package. If any items are missing or damaged, contact your dealer immediately.

- 1 × P133 PRO Monitor
- 1 × 3A Power Adapter
- 1 × Tally Kit
- 1 × V-mount Battery Plate (pre-mounted)
- 1 × Mini HDMI Cable
- 1 × HDMI Cable
- 1 × SDI Cable
- 1 × User Manual

## 3. PRODUCT OVERVIEW

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The SEETEC P133 PRO monitor is equipped with a robust protective case, multiple input/output options, and advanced monitoring tools.



**Figure 1:** Front view of the SEETEC P133 PRO Broadcast Monitor. This image displays the monitor's screen and the protective casing.

### Key Features:

- 13.3-inch IPS panel with Full HD 1920x1080 resolution.
- High brightness of 1000nits and 1000:1 contrast ratio for clear outdoor viewing.
- Supports 4K@60Hz HDMI input and output.
- Multiple input interfaces: 3G-SDI, HDMI 2.0, DVI.
- Custom 3D LUT support for color calibration and film look preview.
- HDR monitoring capabilities.
- Comprehensive auxiliary functions including Waveform, Vector Scope, Histogram, Peaking Filter, False Colors, and more.
- Built-in front and rear Tally lights.
- Intuitive button operation with 4 customizable shortcut keys.
- Flexible power options: V-mount battery, Nton Bauer battery (optional), XLR, or DC 12V.
- Portable design with 1/4" and 3/8" screw threads for mounting accessories.

## 4. SETUP

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## 4.1 Powering the Monitor

The P133 PRO monitor can be powered using several methods:

- **DC Power Adapter:** Connect the included 3A power adapter to the DC IN port (12V) on the monitor and plug it into a power outlet.
- **V-mount Battery:** Attach a compatible V-mount battery to the pre-mounted V-mount battery plate on the rear of the monitor.
- **Nton Bauer Battery (Optional):** If you have an optional Nton Bauer battery plate, install it and attach a compatible Nton Bauer battery.
- **XLR Power:** Connect a compatible XLR power source to the XLR input port.

## 4.2 Connecting Video Sources

The monitor supports various video input types:

- **HDMI:** Use the provided HDMI or Mini HDMI cable to connect your camera or video source to one of the HDMI-A input ports. The monitor supports up to 4K@60Hz via HDMI.
- **SDI:** Connect your SDI video source to one of the 3G-SDI input ports using an SDI cable.
- **DVI:** Connect your DVI video source to the DVI-I input port.

## 4.3 Audio Connections

- **Headphone Output:** Connect standard stereo headphones to the 3.5mm headphone jack for private audio monitoring.
- **Built-in Speaker:** The monitor includes an integrated speaker for audio playback.

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# 5. OPERATING INSTRUCTIONS

## 5.1 Power On/Off

Press the power button located on the monitor's control panel to turn the unit on or off. The monitor will display the SEETEC logo upon startup.

## 5.2 Input Source Selection

Use the dedicated input selection buttons or navigate through the OSD (On-Screen Display) menu to switch between HDMI, SDI, and DVI input sources. The active input will be indicated on the screen.

## 5.3 Menu Navigation

The monitor features an intuitive button interface for menu navigation. Use the directional buttons to move through menu options and the 'OK' or 'Enter' button to confirm selections. The 'Menu' button typically accesses the main menu, and 'Exit' or 'Back' returns to the previous screen or exits the menu.

## 5.4 Customizable Shortcut Keys

The P133 PRO includes four customizable shortcut keys. These can be assigned to frequently used functions such as All Waves, Focus Assist, False Color, etc. Refer to the OSD menu settings to configure these keys according to your workflow.

## 5.5 Advanced Monitoring Functions

The monitor offers a wide range of professional monitoring tools:

- **3D LUT:** Import up to 32 custom 3D LUTs via the USB port to preview different color grades or calibrate the display.
- **HDR:** Enable HDR monitoring mode to accurately display High Dynamic Range content.

- **Waveform, Vector Scope, Histogram:** Utilize these tools for precise exposure and color analysis.
- **Peaking Filter:** Assists in achieving sharp focus by highlighting in-focus edges.
- **False Colors & Exposure:** Aids in setting correct exposure levels.
- **Tally Light:** The front and rear Tally lights indicate camera status (e.g., recording, standby) and can display red, green, or yellow signals.
- **Embedded Audio:** Monitor audio levels directly on the screen. Supports up to 8 channels for HDMI and 16 channels for SDI.
- **Image Flip, Pixel-to-Pixel, Zoom-in:** Various display modes for detailed inspection and framing.

## 5.6 USB Port for Firmware and LUTs

The USB port is used for firmware upgrades and importing custom 3D LUT files. Refer to the SEETEC website for the latest firmware and instructions.

## 6. MAINTENANCE

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### 6.1 Cleaning the Monitor

- **Screen:** Use a soft, lint-free cloth specifically designed for electronics screens. For stubborn smudges, lightly dampen the cloth with water or a screen-cleaning solution. Do not spray liquid directly onto the screen.
- **Casing:** Wipe the monitor's casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the finish.

### 6.2 Storage

When not in use for extended periods, store the monitor in a cool, dry place, away from direct sunlight and extreme temperatures. The protective case provides excellent protection during transport and storage.

### 6.3 Firmware Updates

Periodically check the official SEETEC website for available firmware updates. Firmware updates can improve performance, add new features, or fix bugs. Follow the instructions provided with the firmware update package carefully.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
No power	Power cable not connected; Battery depleted; Power adapter faulty.	Ensure power cable is securely connected. Check battery charge level. Try a different power adapter if available.
No video signal	Incorrect input source selected; Cable not connected properly; Source device not outputting signal.	Select the correct input source (HDMI, SDI, DVI). Check all video cable connections. Verify the source device is powered on and outputting video.
Image flickering or distorted	Faulty cable; Signal interference; Resolution mismatch.	Try a different video cable. Ensure cables are not near strong electromagnetic sources. Check if the input resolution matches supported formats (refer to specifications).
No audio	Audio muted; Volume too low; Source not sending audio; Headphone connection issue.	Check monitor's audio settings and volume. Ensure the source device is sending audio. Test with different headphones or the built-in speaker.
Buttons unresponsive	Temporary software glitch.	Power off the monitor, wait a few seconds, then power it back on.

Problem	Possible Cause	Solution
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If the problem persists after trying these solutions, please contact SEETEC customer support or your dealer for further assistance.

## 8. SPECIFICATIONS

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### Display:

- **Screen Size:** 13.3 inches IPS
- **Color Depth:** 16.7M (8-bit)
- **Resolution:** 1920 × 1080 pixels
- **Pixel Pitch:** 0.24795(W) × 0.24795(H) mm
- **Aspect Ratio:** 16:9
- **Brightness:** 1000 cd/m<sup>2</sup>
- **Contrast Ratio:** 1000:1
- **Backlight:** LED
- **Viewing Angle:** 89/89(L/R) 89/89(U/D)
- **Refresh Rate:** 60 Hz

### Input/Output:

- **SDI Input:** 2 × 3G-SDI
- **HDMI Input:** 2 × HDMI-A (Supports up to 4K@60Hz)
- **DVI Input:** 1 × DVI-I
- **Tally Input:** 1 × 9 pin
- **USB:** 1 × USB (for upgrade and LUT import)
- **SDI Output:** 2 × 3G-SDI
- **HDMI Output:** 1 × HDMI-A
- **Audio Output:** Stereo Headphone, Speaker

### Supported SDI Formats:

- 720p (60/59.94/50/30/29/25/24/23.98)
- 1080i (60/59.94/50)
- 1080p (60/59.94/50/30/29.97/25/24/24sF/23.98/23.98sF)

### Supported HDMI Formats:

- 720p (60/59.94/50/30/29.97/25/24/23.98)
- 1080i (60/59.94/50)
- 1080p (60/59.94/50/30/29.97/25/24/23.98)
- 4K 3840×2160p (60/50/30/29.97/25/24/23.98Hz)
- 4K 4096×2160p (60/50/30/29.97/25/24/23.98Hz)

### General:

- **Input Voltage:** DC 12V
- **Power Consumption:** 44W
- **Working Temperature:** 0°C to 50°C
- **Storage Temperature:** -20°C to 60°C
- **Unit Size:** 330.5 × 231 × 30.15 mm
- **Unit Weight:** 2.07 kg (4.55 pounds)

## 9. WARRANTY AND SUPPORT

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Specific warranty information for the SEETEC P133 PRO monitor is not provided in this manual. Please refer to the warranty card included with your product or visit the official SEETEC website for detailed warranty terms and conditions.

For technical support, troubleshooting assistance beyond what is covered in this manual, or inquiries about parts and service, please contact SEETEC customer service through their official website or the contact information provided with your purchase.

**SEETEC Official Website:** [www.seetec.cn](http://www.seetec.cn)