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› Portta HDMI Video Capture Card HCC101-SG User Manual

## Portta HCC101-SG

# Portta HDMI Video Capture Card HCC101-SG User Manual

Model: HCC101-SG

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Portta HDMI Video Capture Card (Model HCC101-SG). This device is designed to capture HDMI video and audio signals for recording or live streaming via a USB 3.0 connection to a computer. It supports 4K HDMI input and loop-out, with 1080p at 60 frames per second (fps) capture capability.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Portta HDMI Video Capture Card (HCC101-SG) x1
- USB-C Male to USB 3.0 Female Adapter x1
- USB-A to USB-A 3.0 Data Cable x1
- HDMI Cable x1
- User Manual x1



Image: The Portta HDMI Video Capture Card shown with its included USB-C adapter, USB-A to USB-A 3.0 data cable, and HDMI cable.

### 3. PRODUCT OVERVIEW

The Portta HDMI Video Capture Card features multiple ports for connectivity and indicators for operational status.

#### Device Ports and Indicators:



Image: A close-up view highlighting the various ports and indicators on the Portta HDMI Video Capture Card.

- **USB 3.0 Output:** Connects to your computer for data transfer and power.
- **Power Indicator:** Illuminates when the device is powered on.
- **3.5mm Audio Output:** Connect headphones or speakers for audio monitoring. *Note: This output does not carry microphone audio.*
- **Mic In:** Connect an external microphone (TRS only) for audio input. *Note: Microphone audio is captured via USB 3.0 but is not routed to the HDMI OUT or 3.5mm Audio Output.*
- **HDMI Loop Output:** Connects to a display (TV/monitor) for real-time pass-through of the HDMI input signal.
- **IN/OUT Indicator:** Indicates active HDMI input/output.
- **HDMI Input:** Connects to your source device (e.g., game console, camcorder).

## 4. SETUP INSTRUCTIONS

Follow these steps to set up your Portta HDMI Video Capture Card:

1. **Connect HDMI Input:** Use an HDMI cable to connect your source device (e.g., game console, camcorder, DSLR camera) to the **HDMI Input** port on the capture card.

2. **Connect HDMI Output (Optional):** If you wish to view your source device's output on a separate display while capturing, connect an HDMI cable from the **HDMI Loop Output** port on the capture card to your TV or monitor.
3. **Connect to Computer:** Connect the included USB-A to USB-A 3.0 Data Cable from the **USB 3.0 Output** port on the capture card to an available USB 3.0 port on your computer. If your computer only has USB-C ports, use the provided USB-C Male to USB 3.0 Female Adapter.
4. **Connect Audio Devices (Optional):**
  - For microphone input, connect a TRS microphone to the **Mic In** port.
  - For audio monitoring, connect headphones or speakers to the **3.5mm Audio Output** port.
5. **Power On:** The capture card is bus-powered via USB. Once connected to your computer, the Power Indicator should illuminate.
6. **Disable HDCP (for Consoles):** For game consoles like PS4/PS5, you may need to disable HDCP (High-bandwidth Digital Content Protection) in the console's system settings to allow video capture. Refer to your console's manual for specific instructions.



Image: A visual representation of the capture card connected between a PlayStation 5, a laptop for recording, and an external monitor for loop-out display.

## 5. OPERATING INSTRUCTIONS

The Portta HDMI Video Capture Card is plug-and-play and does not require driver installation. It is compatible with various UVC/UAC-compliant applications, such as OBS Studio, VLC Media Player, Zoom, and Microsoft Teams.

### Using with OBS Studio (Example):

OBS Studio is a popular free and open-source software for video recording and live streaming. The following steps outline how to configure the capture card in OBS Studio:

#### 5.1. Add Video or Audio Sources

1. In the 'Sources' panel, click the '+' icon in the lower-left corner.
2. Select 'Video Capture Device' for video input or 'Audio Input Capture' for microphone input.
3. Choose 'Create new' and give your source a name, then click 'OK'.
4. From the 'Device' dropdown menu, select **USB3 Video** for video or **USB3 Digital Audio** for microphone. Configure resolution/FPS as needed (e.g., 1920x1080, 60 FPS). Click 'OK'.



Image: A four-panel guide demonstrating how to add a video or audio source from the capture card within OBS Studio.

#### 5.2. Adjust Advanced Audio Properties

1. In the 'Audio Mixer' panel, click the gear icon next to your audio source and select **Advanced Audio Properties**.
2. For 'Audio Monitoring', select **Monitor and Output** if you want to hear the audio through your computer's output devices while it's being captured.
3. Once configured, you can click **Start Recording** or **Start Streaming** in the 'Controls' panel to begin your session.



Image: A three-panel guide illustrating how to access and adjust advanced audio properties in OBS Studio for monitoring and output.

### 5.3. macOS OBS Operation Notes

On macOS, OBS Studio requires specific permissions to access your camera and microphone. Follow these steps:

1. In OBS Studio, go to **OBS** > **Settings...** > **Review App Permissions...**
2. Follow the system prompts to grant access for 'Camera', 'Microphone', and 'Screen Recording' until 'Access Granted' appears for each.



Image: A visual guide showing how to enable necessary permissions for OBS Studio on macOS to ensure proper functionality with the capture card.

## 6. COMPATIBILITY

The Portta HDMI Video Capture Card offers broad compatibility with various operating systems, software, and input devices.

### Supported Operating Systems:

- Windows 7/8/10/11 or later
- macOS 10.8+ (Intel/Apple Silicon; Metal support recommended)
- Linux (kernel 2.6.38+, e.g., Ubuntu 18.04+; X11/Wayland)

## Compatible Software:

- OBS Studio
- VLC Media Player
- Zoom
- Microsoft Teams
- Google Meet
- Other UVC/UAC-compliant applications

## Compatible Input Devices:

- Game Consoles (PS4, PS5, Xbox Series X, Nintendo Switch)
- Camcorders
- DSLR Cameras
- Set-top Boxes (STB)
- Other devices with HDMI output

## System Requirements for Computer:

- **CPU:** Quad-core Intel Core i5 / Ryzen 5 or higher
- **Memory:** 8 GB RAM or more
- **Graphics:** DirectX 10.1 or OpenGL 3.3 compatible GPU (DirectX 11 / Metal recommended)
- **Storage:** SSD recommended for high-bitrate recording



Image: A diagram illustrating the wide compatibility of the capture card with various software, input devices, and operating systems.

## 7. SPECIFICATIONS

Detailed technical specifications for the Portta HDMI Video Capture Card HCC101-SG:

Feature	Specification
Model Number	HCC101-SG
Product Dimensions (L x W x H)	4.02 x 2.72 x 0.49 inches
Item Weight	2.4 ounces
Color	Gray
HDMI Input Resolution	Up to 4K@60Hz (YUV 4:2:0)
HDMI Loop Output Resolution	Up to 4K@60Hz (YUV 4:2:0)

Capture Resolution	Up to 1080p@60Hz via USB 3.0
HDCP Support	HDCP 1.4 (input only)
Audio Input	3.5mm Mic In (TRS only)
Audio Output	3.5mm Audio Out
Interface	USB 3.0
Power Supply	USB Bus-powered



Image: The Portta HDMI Video Capture Card with its length, width, and height dimensions indicated.

## 8. TROUBLESHOOTING

If you encounter issues with your Portta HDMI Video Capture Card, refer to the following common problems and solutions:

- **No Video or Green Screen:**

- Ensure all HDMI cables are securely connected and are not damaged.

- Verify that your source device's HDCP is disabled, especially for game consoles.
- Check that your computer's USB 3.0 port is functioning correctly and providing sufficient power. Avoid using unpowered USB hubs.
- Confirm that the input resolution from your source device is supported by the capture card.

- **No Audio or Distorted Audio:**

- Ensure the audio settings in your capture software (e.g., OBS Studio) are correctly configured to select the capture card's audio input ('USB3 Digital Audio').
- Check the volume levels on your source device, computer, and capture software.
- If using an external microphone, ensure it is a TRS type and properly connected to the 'Mic In' port.
- Remember that microphone audio is not passed through to the HDMI OUT or 3.5mm Audio Output ports.

- **Lag or Choppy Video:**

- Ensure your computer meets the recommended system requirements (CPU, RAM, Graphics, SSD).
- Verify that the capture card is connected to a USB 3.0 port (blue internal connector). USB 2.0 ports may not provide sufficient bandwidth.
- Close unnecessary applications on your computer to free up system resources.
- Reduce the capture resolution or frame rate in your software if your system struggles to maintain performance.

- **Device Not Recognized by Computer:**

- Try connecting the capture card to a different USB 3.0 port on your computer.
- Restart your computer.
- Ensure the USB cable is not damaged and is securely connected.

## 9. MAINTENANCE

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To ensure the longevity and optimal performance of your Portta HDMI Video Capture Card, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Connectivity:** Ensure cables are not bent sharply or strained at the connectors.

## 10. WARRANTY AND SUPPORT

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The Portta HDMI Video Capture Card comes with a hassle-free **2-year warranty**. Additionally, lifetime technical support is provided to assist you with any questions or issues you may encounter. For technical assistance or warranty claims, please contact Portta customer service through the retailer where you purchased the product or visit the official Portta website for contact information.

## Related Documents - HCC101-SG

	<p><a href="#">HDMI to Component Video Converter User Manual PETHR</a></p> <p>User manual for the PETHR HDMI to Component Video Converter by PORTTA. This guide details features, specifications, package contents, and connection instructions for converting HDMI signals to Component Video (Y-Pb-Pr) and stereo audio. Includes operational information and manufacturer details.</p>
	<p><a href="#">Portta VD22P Video Recorder User Manual</a></p> <p>Comprehensive user manual for the Portta VD22P Video Recorder, covering safety instructions, features, connections, operation, settings, troubleshooting, and warranty information.</p>
	<p><a href="#">SDI to HDMI Converter User Manual - Features, Specifications, and Operation</a></p> <p>Comprehensive user manual for the Portta SDI to HDMI converter, detailing its features, technical specifications, package contents, panel description, and connection instructions for seamless video signal conversion.</p>
	<p><a href="#">Portta Warranty and Return Policy - HDMI Products</a></p> <p>Official warranty and return policy for Portta HDMI products, detailing coverage, exclusions, and contact information for customer service and sales.</p>
	<p><a href="#">Portta HDMI Product Warranty Policy</a></p> <p>Detailed warranty policy for Portta HDMI products, outlining terms, conditions, exclusions, and customer service contact information. Covers 1-year manufacturer defect warranty.</p>