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Rybozen V316Silver

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Model: V316Silver | Brand: Rybozen

1. INTRODUCTION

This manual provides detailed instructions for the Rybozen 4K 1080P 60FPS USB 3.0 HDMI Video Capture Card. This device allows you to capture HDMI video signals from various sources, such as game consoles, camcorders, and DSLR cameras, and stream or record them on your computer. It supports 4K input/output passthrough and records in 1080p at 60 frames per second, offering a high-quality solution for content creators, gamers, and professionals.

2. PACKAGE CONTENTS

Upon unpacking, please ensure all items are present:

- Rybozen Video Capture Card (V316Silver)

Note: Additional cables (HDMI, USB) may be included depending on the specific product bundle.

3. PRODUCT OVERVIEW

The Rybozen Video Capture Card features multiple ports for versatile connectivity. Familiarize yourself with the device's layout:



Image 3.1: Front and rear view of the Rybozen capture card, highlighting its various input and output ports.

- **USB 3.0 Output:** Connects to your computer for data transfer and power.
- **HDMI Input:** Connects to the source device (e.g., game console, camera).
- **HDMI Output:** Connects to a monitor or TV for passthrough viewing.
- **3.5mm Microphone Input:** For connecting an external microphone for commentary.
- **3.5mm Headphone Output:** For monitoring audio.

4. SETUP GUIDE

The Rybozen Video Capture Card is designed for plug-and-play operation, requiring no driver installation or external power supply.



Image 4.1: Connection diagram for the capture card with a game console, TV, laptop, microphone, and headphones.

1. Connect your HDMI source device (e.g., PS5, Xbox, Nintendo Switch, DSLR camera) to the **HDMI Input** port on the capture card using an HDMI cable.
2. Connect your display (e.g., TV, monitor) to the **HDMI Output** port on the capture card using an HDMI cable. This allows for real-time passthrough viewing without latency.
3. Connect the **USB 3.0 Output** port of the capture card to an available USB 3.0 port on your computer (Windows or Mac) using the provided USB 3.0 cable. The device will be automatically recognized.
4. *(Optional)* Connect a 3.5mm microphone to the **Mic-in** port for external commentary.
5. *(Optional)* Connect 3.5mm headphones to the **Headphone Output** port for audio monitoring.

Once connected, your computer's operating system (Windows 10/11, macOS) or streaming software (e.g., OBS Studio, QuickTime Player, VLC, Potplayer) should detect the capture card as a video input device.

5. OPERATING INSTRUCTIONS

The Rybozen capture card facilitates high-quality video capture and streaming. Below are general steps for operation:



Image 5.1: Example of the capture card integrated into a gaming and streaming setup.

1. **Software Selection:** Open your preferred streaming or recording software (e.g., OBS Studio, Streamlabs OBS, QuickTime Player, VLC).
2. **Add Video Source:** In your software, add a new 'Video Capture Device' or similar source. Select the Rybozen capture card (often listed as 'USB 3.0 Capture' or similar) from the list of available devices.
3. **Configure Video Settings:** Set the resolution to 1920x1080 and the frame rate to 60 FPS for optimal recording quality. The device supports 4K input and passthrough, but records at 1080p 60FPS.
4. **Configure Audio Settings:**
 - **Source Audio:** In your software's audio mixer, ensure the capture card's audio input is enabled. For Mac users, you may need to go to System Settings > Sound > Input and select 'USB3.0 Audio'.
 - **Microphone Audio:** If using an external microphone connected to the capture card, ensure its input is also enabled and properly configured in your software.
 - **Audio Monitoring:** To hear your source audio through your computer's speakers or headphones, enable 'Monitor and Output' for the capture card's audio device in your software's advanced audio properties.
5. **Start Streaming/Recording:** Once all settings are configured, you can begin your live stream or recording session.

The capture card's ultra-low-latency technology ensures a smooth experience for both passthrough viewing and captured content.

6. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to gently wipe the exterior of the device. Avoid using liquid cleaners, solvents, or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the capture card with care. Avoid dropping it or subjecting it to strong impacts. Do not bend or pull on connected cables excessively.
- **Ventilation:** Ensure the device has adequate ventilation during operation to prevent overheating. Do not cover ventilation openings.

7. TROUBLESHOOTING

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

Problem	Possible Cause / Solution
No video signal detected by computer/software.	<ul style="list-style-type: none"> • Ensure all HDMI and USB 3.0 cables are securely connected. • Verify the HDMI source device is powered on and outputting a signal. • Try unplugging and replugging the USB 3.0 cable from your computer. • Check your streaming/recording software settings to ensure the correct video capture device is selected. • Ensure your source device's HDMI output settings are compatible (e.g., HDCP might interfere with some capture software).
No audio or distorted audio.	<ul style="list-style-type: none"> • Check audio settings in your streaming/recording software. Ensure the capture card's audio input is enabled and not muted. • For Mac users, navigate to System Settings > Sound > Input and select 'USB3.0 Audio'. • Ensure your HDMI source device (e.g., PS5) is outputting audio via HDMI. On PS5, press the PS button, go to the speaker icon, and select 'HDMI Device (TV)' for Output Device. • If using an external microphone, ensure it is properly connected to the 3.5mm Mic-in port and enabled in your software. • Verify that 'Monitor and Output' is enabled for the capture card's audio in your software's advanced audio properties if you wish to hear the audio through your computer's speakers/headphones.
Video freezing or stuttering.	<ul style="list-style-type: none"> • Ensure the capture card is connected to a USB 3.0 port on your computer, not a USB 2.0 port. • Close unnecessary applications running in the background to free up CPU resources. • Check your computer's specifications to ensure it meets the minimum requirements for streaming/recording at your desired resolution and frame rate. • Try a different USB 3.0 port or cable.
Device not recognized by computer.	<ul style="list-style-type: none"> • Ensure the USB 3.0 cable is firmly connected to both the capture card and your computer. • Try connecting to a different USB 3.0 port. • Restart your computer. • While no drivers are typically needed, ensure your operating system is up to date.

8. SPECIFICATIONS

Technical specifications for the Rybozen V316Silver Video Capture Card:

Feature	Detail
Model Number	V316Silver
Hardware Interface	USB 3.0
Video Capture Resolution	1080p (at 60FPS)
Max Input/Output Resolution	3840*2160@60Hz (4K)
Operating System Compatibility	Windows, Mac OS
Recommended Uses	Audio Video Capture, Video Capture
Item Weight	9.9 ounces
Package Dimensions	6.34 x 4.41 x 2.09 inches

9. WARRANTY AND SUPPORT

Rybozen products are designed for reliability and performance. For specific warranty information, please refer to the documentation included with your purchase or visit the official Rybozen website. If you require technical assistance or have questions not covered in this manual, please contact Rybozen customer support through their official channels.

For further assistance, you may visit the [Rybozen Store on Amazon](#).