

## MICROWARE V303-US

# Rybozen Video Capture Card User Manual

Model: V303-US | Brand: MICROWARE

## 1. PRODUCT OVERVIEW

The MICROWARE V303-US Video Capture Card is designed for high-definition video and audio acquisition, live streaming, and recording. It supports input resolutions up to 4K and output resolutions up to 1080P, featuring a convenient HDMI loop-out port for real-time monitoring without delay. This device is compatible with various operating systems and popular streaming software, offering a plug-and-play solution for your multimedia needs.



Image 1.1: Front view of the Rybozen Video Capture Card, highlighting its compact design and HDMI branding.



Image 1.2: The Rybozen Video Capture Card shown with its included USB cables and the user manual cover.

## 2. WHAT'S IN THE BOX

- 1 x MICROWARE V303-US Video Capture Card
- 1 x USB Cable (Type A to Type A)
- 1 x User Manual (this document)

## 3. SPECIFICATIONS

Feature	Detail
Model Number	V303-US

Feature	Detail
Brand	MICROWARE
Input Resolution	Max 4K (3840x2160)
Output Resolution	Max 1080P (1920x1080)
HDMI Standard Cable Support	AWG26 HDMI Standard Cable, input up to 15 meters (1080P and below resolution)
Hardware Interface	USB, USB 2.0
Operating System Compatibility	Windows, Mac OS, Android
Recommended Uses	Video Recording, Live Streaming, High Definition Acquisition, Teaching Recording, Medical Imaging
Item Weight	6.1 ounces
Package Dimensions	4.84 x 4.57 x 2.05 inches

# HDMI Video Capture

- ✓ Support HDMI loop out
- ✓ Support input max resolution 4K
- ✓ Support output max resolution 1080P



## Support



Android system



Windows system



Mac OS system

Image 3.1: Dimensions of the capture card and icons indicating compatibility with Android, Windows, and Mac OS systems.

## 4. SETUP GUIDE

The MICROWARE V303-US Video Capture Card is designed for plug-and-play operation, requiring no driver installation for most systems.

### 4.1 Port Identification

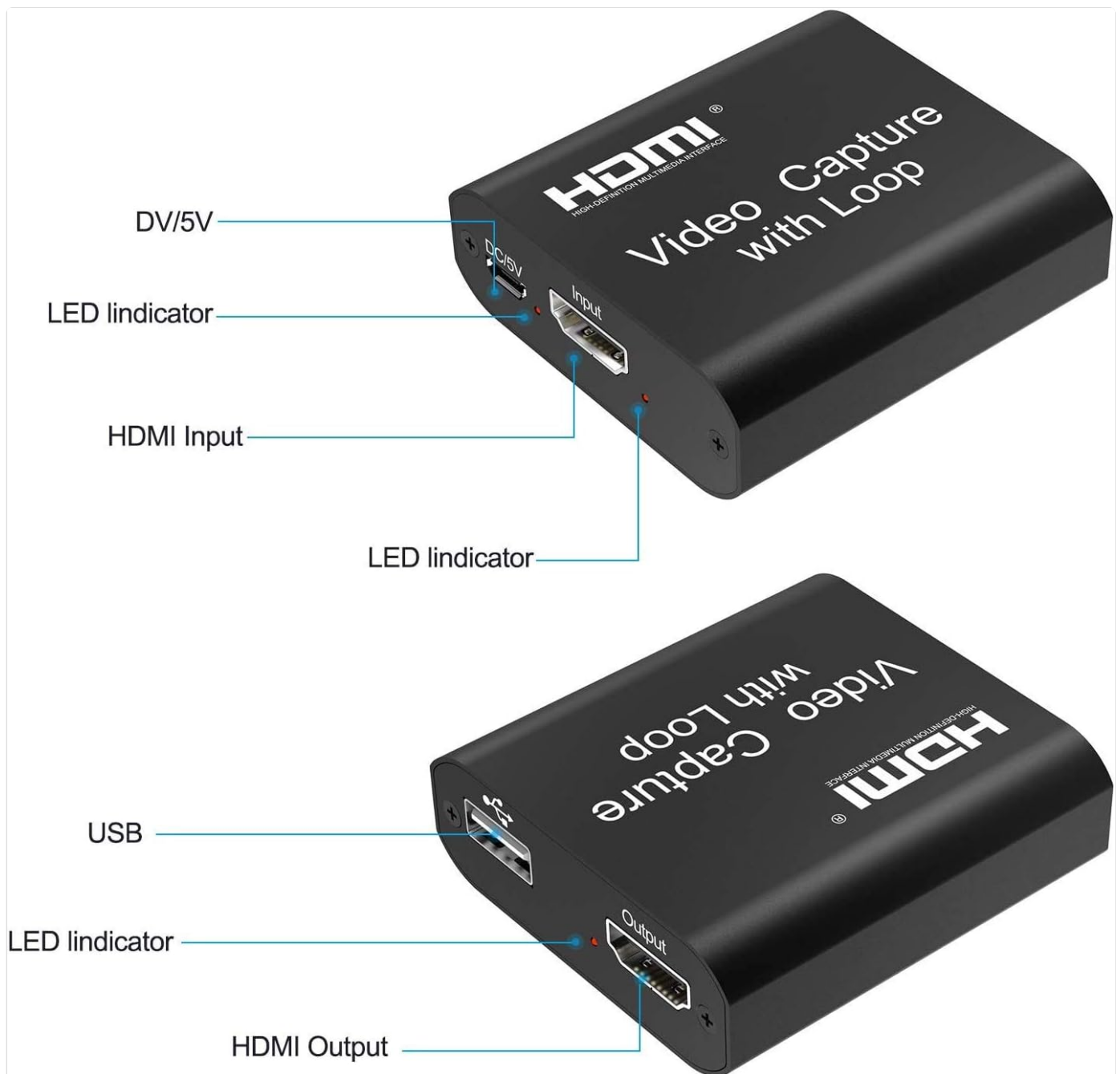


Image 4.1: Detailed view of the capture card's ports, including DC/5V power input, HDMI Input, USB port, and HDMI Output, along with LED indicators.

- **DC/5V:** Power input port.
- **HDMI Input:** Connect your source device (e.g., game console, camera, PC) here.
- **USB:** Connect to your computer (PC/Laptop) for data transfer and power.
- **HDMI Output (Loop Out):** Connect to a monitor or TV for real-time display of the input signal.
- **LED Indicator:** Indicates power and operational status.

## 4.2 Connection Steps

1. Connect an HDMI cable from your source device (e.g., PS4, Nintendo Switch, Xbox One, PC, Camera, DV) to the **HDMI Input** port on the capture card.
2. Connect the provided USB cable from the **USB** port on the capture card to a USB 2.0 port on your computer (PC/Laptop). This connection provides both power and data transfer.
3. (Optional) If you wish to monitor the input signal on a separate display, connect an HDMI cable from the **HDMI Output (Loop Out)** port on the capture card to an HD Monitor, Projector, or HD TV.

4. Ensure all connections are secure. The LED indicator on the capture card should illuminate, indicating power.



Image 4.2: Diagram illustrating the connection flow from various HDMI sources to the capture card, then to a laptop via USB, and optionally to an external display via HDMI loop out, enabling live streaming.

## 5. OPERATING INSTRUCTIONS

Once the capture card is connected, your computer should recognize it as a video and audio input device. You can then use compatible software to capture, record, or stream your content.

### 5.1 Software Compatibility

The capture card is compatible with a wide range of software applications for video capture and streaming, including but not limited to:

- VLC Media Player
- OBS Studio (Open Broadcaster Software)
- Amcap



- Other video conferencing and streaming software that supports external video input.

## 5.2 Basic Usage with Software (Example: OBS Studio)

1. Ensure the capture card is connected and powered on.
2. Open your preferred video capture/streaming software (e.g., OBS Studio).
3. Add a new "Video Capture Device" source.
4. Select the MICROWARE V303-US (or similar name) from the list of available devices.
5. Configure video and audio settings as needed (resolution, frame rate, audio input). The device supports up to 1080P output.
6. You should now see the video feed from your HDMI source within the software.
7. Begin recording or streaming as per your software's instructions.



Image 5.1: Collage showing various applications of the capture card, including video conferencing, live streaming gameplay, and general content capture.



Image 5.2: Illustration demonstrating the capture card's ability to accept 4K input and output at 1080P, suitable for display on a monitor or laptop.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your MICROWARE V303-US Video Capture Card, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of 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.
- **Connections:** Always ensure cables are inserted and removed gently to prevent damage to the ports.

## 7. TROUBLESHOOTING

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



**No Signal / Blank Screen:**

- Ensure all HDMI and USB cables are securely connected.
- Verify that your source device (e.g., game console, camera) is powered on and outputting an HDMI signal.
- Check the resolution settings of your source device. While the capture card supports 4K input, ensure your software is set to capture at 1080P or lower.
- Try a different HDMI cable or USB port on your computer.
- Restart your computer and the source device.

**No Audio:**

- Check the audio settings within your capture software (e.g., OBS Studio) to ensure the correct audio input device is selected (the capture card).
- Verify that the audio output from your source device is enabled and working.
- Ensure your computer's audio output is correctly configured and not muted.

**Video Lag, Stuttering, or Freezing:**

- Ensure your computer meets the minimum system requirements for video capture and streaming.
- Close other demanding applications running in the background.
- Try reducing the capture resolution or frame rate in your software settings.
- Ensure you are using a high-quality HDMI cable, especially for longer runs (up to 15 meters for 1080P).
- If using the loop-out, ensure the display connected to the loop-out port is compatible and not causing interference.

**Device Not Recognized by Computer:**

- Try connecting the capture card to a different USB port on your computer.
- Ensure your operating system is up to date.
- Restart your computer.
- If possible, test the device on another computer to rule out a system-specific issue.

## 8. WARRANTY AND SUPPORT

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Specific warranty details for the MICROWARE V303-US Video Capture Card are not provided in this manual. For information regarding warranty coverage, technical support, or service, please refer to the product packaging or visit the official MICROWARE website. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, you may also contact the retailer from whom you purchased the product.