

VIXLW U168-1

VIXLW U168-1 Video Capture Card User Manual

Model: U168-1

1. INTRODUCTION

This manual provides detailed instructions for the VIXLW U168-1 Video Capture Card. This device allows you to capture high-definition video and audio from various sources, such as game consoles, cameras, and other HDMI-enabled devices, and transmit them to your computer or smartphone for recording, live streaming, or video conferencing. Please read this manual thoroughly before use to ensure proper operation and to maximize the product's capabilities.

2. PRODUCT OVERVIEW AND FEATURES

The VIXLW U168-1 Video Capture Card is designed for versatility and performance, offering a seamless experience for capturing and streaming content.

- **4K 1080P 60FPS Capture:** Supports 4K HDMI input at 60Hz and records video at 1080P 60FPS, ensuring high-quality visuals for gaming, video production, and live streaming.
- **Wide Compatibility:** Compatible with multiple operating systems including Windows, Android, Mac OS X, and Linux. Supports various devices such as PS3, PS4, Xbox, Nintendo Switch, webcams, and security cameras.
- **Plug and Play:** Features Hi-Speed USB 3.0 technology, requiring no driver installation for immediate use.
- **Ultra-Low Latency:** Engineered to provide smooth video transmission without noticeable delay, enhanced by an aluminum alloy casing for effective heat dissipation.
- **Versatile Applications:** Ideal for high-definition capture, educational recording, game live broadcasting, medical imaging, and online meetings.

High-performance Chip
Say goodbye to blue screens and lags

Input/Output 60FPS
30FPS vs 60FPS

30FPS **60FPS**

4K 60Hz input
1080P 60Hz output

Image: The VIXLW U168-1 Video Capture Card features a high-performance chip for smooth 60FPS video, supporting 4K 60Hz input and 1080P 60Hz output.

High-performance Video Capture Card



Image: Demonstrates the VIXLW U168-1's Hi-Speed USB 3.0 capability, capturing 4K 60Hz input and recording 1080P 60Hz video.

3. PACKAGE CONTENTS

Upon opening your VIXLW U168-1 Video Capture Card package, you should find the following items:

- VIXLW U168-1 Video Capture Card (with integrated USB-C cable)
- USB-C to USB-A 3.0 Adapter
- Quick Start Guide



Image: The VIXLW U168-1 Video Capture Card, its USB-C to USB-A adapter, and the included Quick Start Guide.

4. SETUP INSTRUCTIONS

The VIXLW U168-1 Video Capture Card is designed for plug-and-play functionality, requiring no additional driver installation on most compatible operating systems.

4.1 Connecting the Capture Card

- 1. Connect HDMI Input:** Insert your HDMI source cable (e.g., from a game console, camera, or other device) into the HDMI input port on the VIXLW U168-1 Video Capture Card.
- 2. Connect USB Output:**
 - If your computer or device has a USB-C port, connect the integrated USB-C cable from the capture card directly to your device.
 - If your computer or device has a standard USB-A 3.0 port, attach the provided USB-C to USB-A 3.0 adapter to the capture card's USB-C cable, then connect the adapter to your device's USB-A 3.0 port.
- 3. Power On Devices:** Ensure both your HDMI source device and your computer/recording device are powered on.



HDMI to USB C Capture Card

Use your DSLR, camcorder or action cam as a webcam on your Mac or PC

Image: The VIXLW U168-1 connecting a DSLR camera to a laptop, enabling the camera to function as a webcam.

2-in-1

interface free switching



Type-C Port

USB Port

HDMI female input interface and two smooth output connections to meet your needs for different interfaces

Image: The capture card offers flexible connectivity with both Type-C and USB-A output options via an adapter.

5. OPERATING INSTRUCTIONS

Once the capture card is physically connected, you will need to use compatible software to capture or stream your video and audio.

5.1 Recommended Software: OBS Studio

OBS Studio (Open Broadcaster Software) is a popular free and open-source software for video recording and live streaming. It is compatible with Windows, macOS, and Linux.

5.1.1 Basic Setup in OBS Studio

1. **Launch OBS Studio:** Open the OBS Studio application on your computer.
2. **Add Video Source:** In the 'Sources' box at the bottom of the OBS window, click the '+' icon and select 'Video Capture Device'.

3. **Create New Source:** Choose 'Create new' and give it a name (e.g., "VIXLW Capture Card"), then click 'OK'.
4. **Select Device:** In the properties window, select **USB Video** from the 'Device' dropdown menu.
5. **Configure Video Settings:**
 - Set 'Resolution/FPS Type' to **Custom**.
 - Set 'Resolution' to **1920x1080** (or your desired output resolution).
 - Set 'FPS' to **Match Output FPS** or **60**.
6. **Configure Audio Settings:** Scroll down in the properties window.
 - Set 'Audio Output Mode' to **Output desktop audio (DirectSound)**.
 - Check **Use custom audio device**.
 - Select **Microphone (USB Digital Audio)** from the 'Audio Device' dropdown menu.
7. **Start Recording/Streaming:** Click 'OK' to close the properties. You should now see your video source in the OBS preview. Use the 'Start Recording' or 'Start Streaming' buttons in the 'Controls' panel to begin your session.



Image: Step-by-step guide for configuring the VIXLW U168-1 in OBS Studio.

5.2 Other Applications

The VIXLW U168-1 can also be used with other video conferencing and streaming software that supports external video capture devices, such as Zoom, VLC, and various live streaming platforms.

6. COMPATIBILITY

The VIXLW U168-1 Video Capture Card offers broad compatibility with various devices and operating systems.

6.1 Operating Systems

- Windows (e.g., Windows 7, 8, 10, 11)
- macOS (e.g., Mac OS X and newer versions)
- Linux
- Android

6.2 Input Devices (HDMI Source)

- Game Consoles: PlayStation (PS3, PS4), Xbox (Xbox One, Xbox Series X/S), Nintendo Switch
- Digital Cameras: DSLR cameras, camcorders, action cameras
- Other HDMI Output Devices: Set-top boxes, media players, security cameras, webcams

6.3 Output Devices (USB Host)

- Desktop PCs
- Laptops (Windows, macOS, Linux)
- Smartphones/Tablets (with compatible USB-C port and software)
- HDTVs (for pass-through if supported by software)

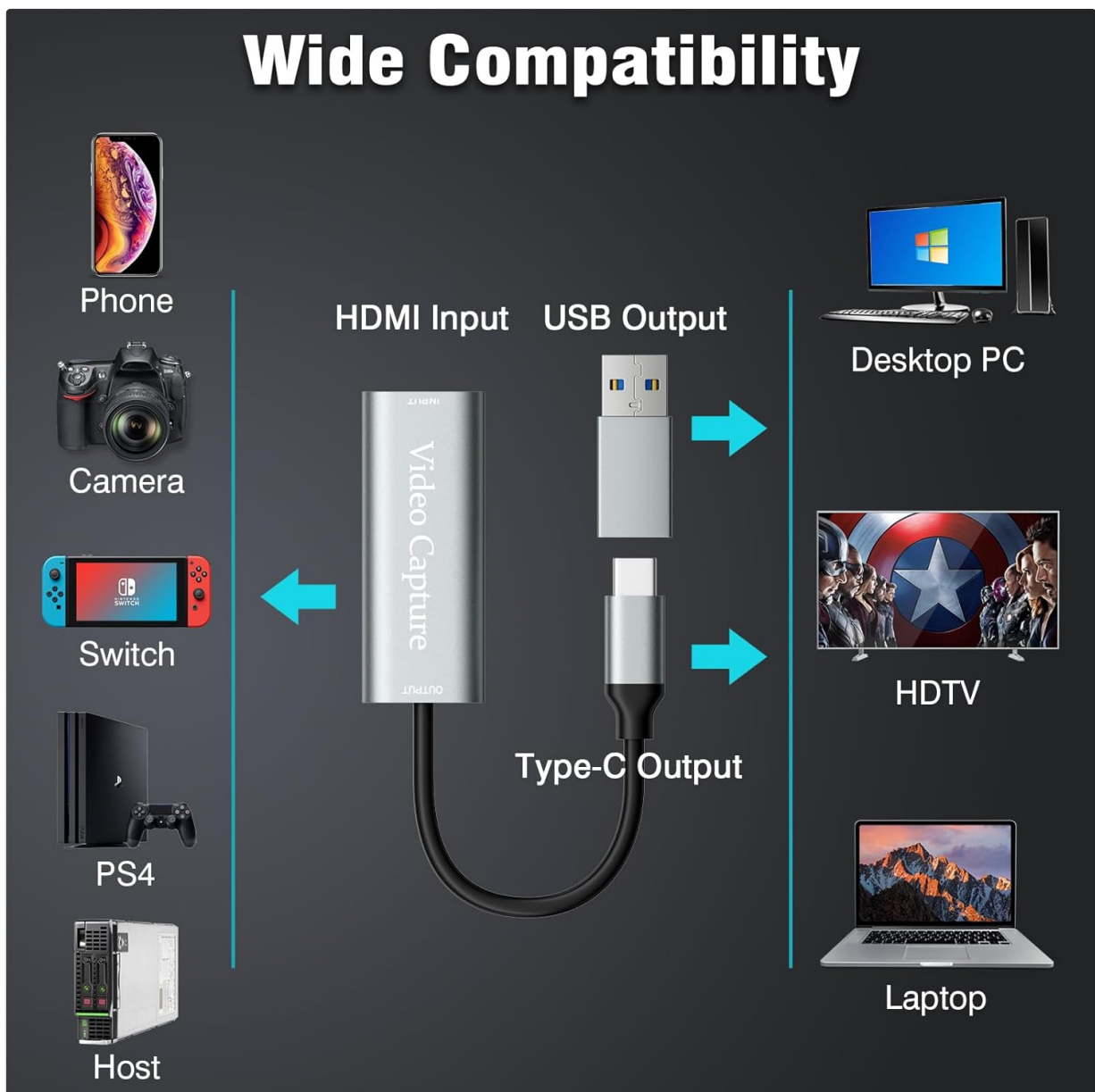


Image: The capture card connects HDMI input sources like phones, cameras, Switch, PS4, and host computers to USB output devices such as desktop PCs, HDTVs, and laptops.

Operation on OBS Studio

The image contains four numbered screenshots from OBS Studio:

- 1**: A screenshot of the 'Sources' list. A '+' button is clicked, and a menu is shown with 'Video Capture Device' selected. A circle highlights this option.
- 2**: A screenshot of the 'Video Capture Device' settings. 'Device' is set to 'USB Video', 'Resolution/FPS Type' is 'Custom', 'Resolution' is '1920 X 1080', and 'FPS' is 'Match Output FPS'. Circles highlight these settings.
- 3**: A screenshot of the 'Audio Output Mode' settings. 'Output desktop audio (DirectSound)' is selected, and 'Use custom audio device' is checked. 'Audio Device' is set to 'Microphone (USB Digital Audio)'. Circles highlight these settings.
- 4**: A screenshot of the OBS Studio interface with the 'Start Recording' button circled in the bottom right corner.

Image: The VIXLW U168-1 is compatible with major operating systems and popular streaming/recording software.

7. TROUBLESHOOTING

If you encounter issues while using your VIXLW U168-1 Video Capture Card, please refer to the following common solutions:

• No Video Signal:

- Ensure all HDMI and USB connections are secure.
- Verify that your HDMI source device is powered on and outputting a signal.
- Try using a different HDMI cable, as faulty cables can prevent signal transmission.
- Check your software settings (e.g., OBS Studio) to ensure the correct 'Video Capture Device' is selected and configured.

• No Audio:

- Confirm that your HDMI source is outputting audio.
- In your capture software (e.g., OBS Studio), verify that 'Microphone (USB Digital Audio)' is selected as the audio input device.
- Check your computer's sound settings to ensure the capture card's audio input is not muted or set to a very low volume.

• Lag or Delay:

- Ensure you are using a USB 3.0 port on your computer for optimal performance. USB 2.0 ports may cause performance limitations.
- Close unnecessary applications running in the background on your computer to free up system resources.
- Verify that your computer meets the minimum system requirements for capturing/streaming at your desired resolution and frame rate.
- The capture card's aluminum alloy casing is designed for effective heat dissipation to reduce

latency issues. Ensure it is not covered or in an enclosed space.

- **Blue Screen or Freezing:**

- This can sometimes indicate a system resource issue or a conflict. Restart your computer and try again.
- Ensure your operating system and capture software are up to date.

style="list-style-type: disc; margin-left: 20px;">

8. SPECIFICATIONS

Feature	Detail
Brand	VIXLW
Model Number	U168-1
Hardware Interface	HDMI, USB 3.0, USB Type C
Video Input Resolution	Up to 4K@60Hz
Video Capture Resolution	1080p@60FPS
Operating System Compatibility	Linux, Mac OS, Windows, Android
Item Weight	6.4 ounces
Package Dimensions	4.53 x 3.23 x 0.75 inches
Color	Grey
Special Feature	Compact, Ultra-Low Latency

9. MAINTENANCE

To ensure the longevity and optimal performance of your VIXLW U168-1 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 or abrasive materials.
- **Storage:** Store the capture card in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the device or subjecting it to strong impacts. Do not bend or crimp the integrated cable excessively.
- **Ventilation:** Ensure the device has adequate airflow during operation to prevent overheating, especially during extended use.

10. WARRANTY AND SUPPORT

Specific warranty details for the VIXLW U168-1 Video Capture Card are not provided within the product information. For warranty claims, technical support, or any product-related inquiries, please contact the manufacturer directly through their official website or the retailer from whom the product was purchased.

Keep your purchase receipt as proof of purchase.