

Guermok 4k

Guermok HDMI Capture Card 4K@60FPS, 1080P@240FPS USB 3.0 Instruction Manual

Model: 4k

1. INTRODUCTION

Thank you for choosing the Guermok HDMI Capture Card. This device allows you to capture high-quality video and audio from various sources for streaming, recording, and broadcasting. Please read this manual carefully to ensure proper setup and operation.

2. PRODUCT OVERVIEW

What's in the Box:

- Guermok HDMI Capture Card
- USB 3.0 to USB-C Adapter
- Instruction Manual (this document)

Key Features:

- **4K 60FPS Input & Output:** Supports up to 4K@60Hz input and output via USB 3.0 for smooth, vivid visuals.
- **1080P 240FPS Support:** Capable of capturing 1080P at 240FPS for high-motion content.
- **Wide Compatibility:** Works with Windows, macOS, Linux, Android, and iPadOS. Compatible with devices like iPad, MacBook, Switch, PS3/4/5, Xbox One, DSLR, webcams, and more.
- **Plug and Play:** No drivers or external power supply required.
- **Versatile Software Support:** Compatible with OBS Studio, Zoom, Streamlabs, YouTube Live, Twitch, VLC, PotPlayer, and other major streaming applications.



Figure 1: Guermok HDMI Capture Card with included USB-A adapter.

3. SETUP GUIDE

3.1 Physical Connection

1. Connect your HDMI source device (e.g., game console, camera, iPad) to the **HDMI Input** port on the capture card using an HDMI cable.
2. Connect the **USB-C output** of the capture card to a USB 3.0 port on your computer or tablet. If your device only has USB-A ports, use the provided USB-A male to USB-C female adapter.
3. Ensure all connections are secure.

Switch2 Gaming on iPad Screen

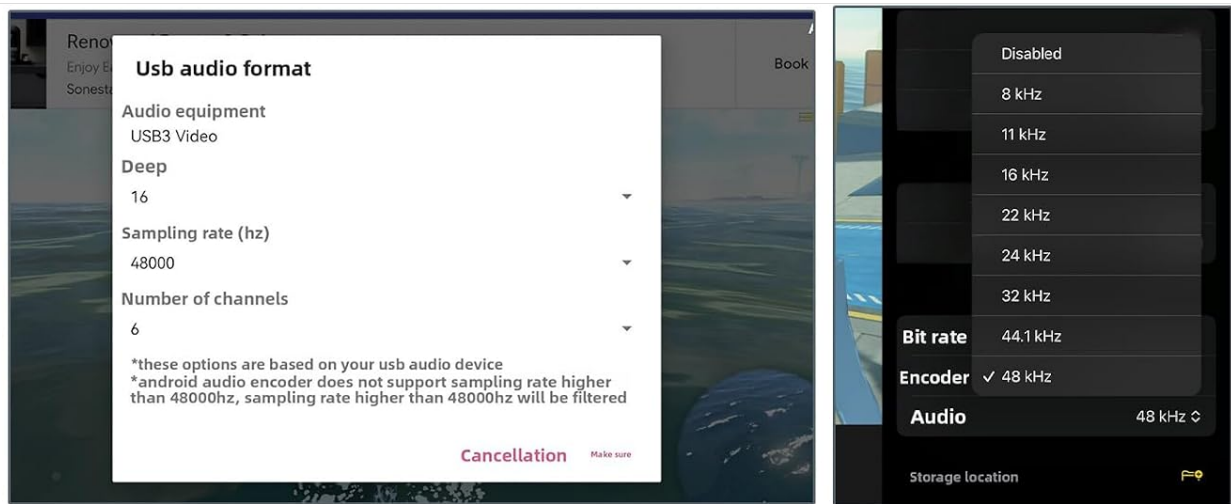
Capture Switch 2 in TV Mode at 4K 60Hz or 1080P 240Hz



Figure 2: Connecting the capture card using the USB-A adapter.

3.2 System Requirements

- For optimal performance (4K@60Hz, 1080P@240Hz), a **USB 3.0 or higher port** is required. USB 2.0 ports will only support up to 1080P resolution.
- No drivers are needed; the device is plug-and-play.



Important Compatibility Notice

This device defaults to 96kHz / 24bit high-fidelity audio for clearer and more professional sound. However, some third-party capture software or devices (especially live streaming, recording, or USB camera apps) may not support this specification, leading to:

No audio/video capture

Audio issues (noise, dropouts, distortion, etc.)

No video display or capture failure

Black screen at 4K resolution if the app only supports 48kHz audio

Cause:

Some applications, for compatibility or performance optimization, only support 48kHz / 16bit or lower. If they cannot recognize a 96kHz signal, capture errors occur. In apps that only support 48kHz, enabling 4K capture may result in a black screen.

Recommended Solutions:

If you encounter audio or video issues, manually set the input sample rate in system audio settings to 48kHz or 96kHz.

If the app does not support 96kHz, set the resolution to 1080P 60FPS and avoid enabling high-spec audio alongside 4K video capture.

Use capture software that supports high-spec audio input, such as:

iPad / Android / HarmonyOS: USB camera apps (some support 96kHz)

iPad only: MoniCon

Windows / macOS: OBS Studio, VLC, PotPlayer

If 2K 144Hz or 1080P 240Hz is unavailable in OBS, update to the latest OBS version to unlock more resolution and refresh rate options.

Some devices (e.g., Meta HDMI LINK) do not support 96kHz by default and may cause issues — use compatible software instead.

For capture cards with loop-out, connect headphones to monitor audio and check capture status.

After some OS updates (including HarmonyOS), capture software may not be adapted in time. If you see screen flicker, try other apps/devices or roll back to a compatible OS version.

Figure 3: Examples of plug-and-play setup with different devices.

4. OPERATING INSTRUCTIONS

4.1 Software Compatibility

The Guermok HDMI Capture Card is compatible with a wide range of operating systems and streaming/recording software:

- **Operating Systems:** Windows 7/8/10/11, macOS, Linux, Android 5.0+, iPadOS 17+.
- **Software:** OBS Studio, Zoom, Streamlabs, YouTube Live, Twitch, VLC, PotPlayer, Vmix, HDMI Link, MoniCon, QuickTime, and more.

Wide Compatibility



Figure 4: Wide compatibility with various devices and software.

4.2 Basic Usage with OBS Studio (Example)

1. Connect your HDMI source and the capture card to your computer as described in Section 3.1.
2. Open OBS Studio.
3. In the 'Sources' box, click the '+' icon and select 'Video Capture Device'.
4. Choose 'Create new' and name it (e.g., 'Guermok USB3 Video'). Click 'OK'.
5. In the device dropdown, select 'Guermok USB3 Video'.
6. Adjust resolution and FPS settings as needed. For 4K@60Hz or 1080P@240Hz, ensure your USB port is 3.0 or higher.
7. For audio, in the 'Audio Mixer', check if your capture card has audio input. If not, right-click your video source, go to 'Properties', and enable 'Use custom audio device', selecting the capture card's audio.
8. You can now start recording or streaming.

Video 1: Guermok 4K60 HDMI Capture Card USB 3.0 for PS5/Switch/Xbox/iPad/OBS. This video demonstrates the setup and usage of the

capture card with various devices and OBS Studio.

Video 2: Guermok HDMI Capture Card 4K60fps 1080P240fps USB3.0 USBC/A Compatible 4K30 Passthrough 3.5mm Audio. This video provides an overview of the capture card's features and connectivity options.



Figure 5: Capturing in True 4K for smooth streaming and gaming.

Capture Stunning 4K Video

4K@60fps vs 1080P@60fps



Figure 6: Visual comparison of 4K@60fps versus 1080P@60fps capture.

5. ADVANCED FEATURES AND PERFORMANCE

5.1 High-Performance 4K Chip

The capture card is equipped with a high-performance 4K chip, ensuring stable and flicker-free video capture. It also features efficient heat dissipation to maintain optimal performance during extended use.



Figure 7: High-Performance 4K Chip for stable operation.

5.2 Versatile Capture Scenarios

This capture card supports a variety of applications, from gaming to professional use:

- Capture smooth gameplay from consoles like Nintendo Switch, PlayStation, and Xbox.
- Record drone footage in real-time.
- Connect to an iPad for mobile streaming and content creation.
- Ideal for virtual meetings, online teaching, and studio production.



**Capture smooth gameplay
from your Switch**



**Record drone footage
in real time**



**Switch connection pad
and collect content**



**Connect to iPad for
mobile streaming**

Figure 8: Diverse applications of the Guermok HDMI Capture Card.

6. MAINTENANCE

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

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or modify the device, as this will void the warranty.
- Store the device in a safe place when not in use to prevent physical damage.

7. TROUBLESHOOTING

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

7.1 Black Screen or Distorted Video/Audio

- **Check Connections:** Ensure all HDMI and USB cables are securely connected and functioning correctly. Try using different cables if possible.
- **USB Port:** For resolutions higher than 1080P, ensure the capture card is connected to a USB 3.0 or higher port. If connected to USB 3.0 and still experiencing issues, try rotating the USB-C connector 180° and reconnecting.
- **Audio Sample Rate:** This device supports 96kHz/24-bit audio. Some third-party software or older operating systems may only support 48kHz/16-bit audio. If you experience no audio, distorted audio, or a black screen at 4K resolution, manually set the input sample rate in your system audio settings to 48kHz or 96kHz. If the app does not support 96kHz, set the resolution to 1080P 60FPS.
- **Software Compatibility:** Ensure your streaming/recording software is up-to-date. For HarmonyOS, if the device still outputs 1080P, try rotating the capture card's USB-C connector 180° and reconnect.
- **HDCP:** Some products may require disabling HDCP settings to function properly.

Plug & Play

Connect in the right direction to achieve results
One-way transmission HDMI to USB-C



Connect the Laptop to the iMac



Professional Camera Streaming Setup



Capture Mobile Phone Screen



Play Games on Your MacBook

Figure 9: Important compatibility notice and troubleshooting tips.

Video 3: Watch This First GUERMOK Capture Card 4K. This video provides troubleshooting steps for common issues like black screen and audio problems.

7.2 Device Not Recognized

- **Insufficient Power:** Some USB ports may not provide enough power, causing the device to fail or disconnect. Use a USB 3.0 port and the device's original charging cable if applicable.
- **USB Drivers:** Ensure your computer's USB drivers are up-to-date.
- **Test on Another Device:** Try connecting the capture card to a different computer or tablet to rule out compatibility issues.

8. SPECIFICATIONS

Feature	Specification
Brand	Guermok
Model Number	4k
Hardware Interface	USB 3.0
Video Capture Resolution	4K (up to 4096x2160@60FPS MJPEG)
Supported Resolutions (MJPEG)	4096x2160@60FPS, 3840x2160@60FPS, 2560x1440@144FPS, 1920x1080@240FPS
Supported Resolutions (YUY2/NV12)	2560x1440@50FPS, 1920x1080@120FPS
Supported Video Formats	MJPEG, YUY2, NV12, XRGB
Operating System Compatibility	Windows 7/8/10/11, macOS, Linux, Android 5.0+, iPadOS 17+
Item Weight	1.12 ounces
Color	Silver Straight

9. WARRANTY AND SUPPORT

Guermok products are designed for reliability and performance. For warranty information and technical support, please refer to the product packaging or contact Guermok customer service directly. Our support team is available to assist you with any questions or issues you may encounter.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question