IOGEAR GUV302G

IOGEAR Upstream 4K Game Capture Card (GUV302G)

User Manual

1. PRODUCT OVERVIEW

The IOGEAR Upstream 4K Game Capture Card (Model GUV302G) is a versatile device designed for capturing and streaming high-quality video and audio from gaming consoles, DSLRs, camcorders, and other HDMI sources. It features 4K 30Hz HDR recording capabilities, lag-free passthrough resolutions up to 4K 60Hz, 1440p 144Hz, and 1080p 240Hz, and an integrated party chat mixer for console streamers.

Image: Front view of the IOGEAR Upstream 4K Game Capture Card, showcasing its compact design and port layout.

Image: Overview of the GUV302G highlighting key features: Capture 4K Gameplay, 4K Passthrough Resolutions, Integrated Party

2. SETUP GUIDE

2.1 Package Contents

Verify that your package contains the following items:

- IOGEAR Upstream 4K Game Capture Card (GUV302G)
- USB-C to USB-A Cable

2.2 System Requirements

- Operating System: Windows 10/11, macOS, Linux (UVC-compatible, driver-free setup)
- Available USB-C or USB-A port (USB 3.0 recommended for optimal performance)
- HDMI compatible source device (e.g., game console, camcorder)
- HDMI compatible display (e.g., TV, monitor)
- Streaming/Recording Software (e.g., OBS Studio, Streamlabs OBS, XSplit)

2.3 Connection Instructions

1. Connect your gaming console (e.g., Xbox Series X, PS5, Nintendo Switch) or other HDMI source to the **HDMI IN** port on the GUV302G using an HDMI cable.
2. Connect your display (TV or monitor) to the **HDMI OUT** port on the GUV302G using another HDMI cable. This provides lag-free passthrough.
3. Connect the GUV302G to your computer (PC or Mac) using the provided USB-C to USB-A cable. Plug the USB-C end into the capture card and the USB-A end into an available USB 3.0 port on your computer.
4. For party chat functionality, connect your headset to the **3.5mm headset input** and your controller's audio output to the **3.5mm controller audio input** on the GUV302G.

PLUG & PLAY DESIGN
4K @60Hz HDR, 1440p @144Hz and 1080p @240Hz Supported

HDMI Input: Up to 4K @30Hz

HDMI Output: Up to 4K @60H, 1440 @144Hz, 1080 @240Hzz

Party Chat

UpStream

USB

IOGEAR

Headset Audio: No Extra wires or adapters needed

Control Party Chat Audio

USB-C Connection to PC

Image: Diagram illustrating the various ports on the IOGEAR Upstream GUV302G, including HDMI Input, HDMI Output, USB-C, Headset Audio, and Control Party Chat Audio ports.
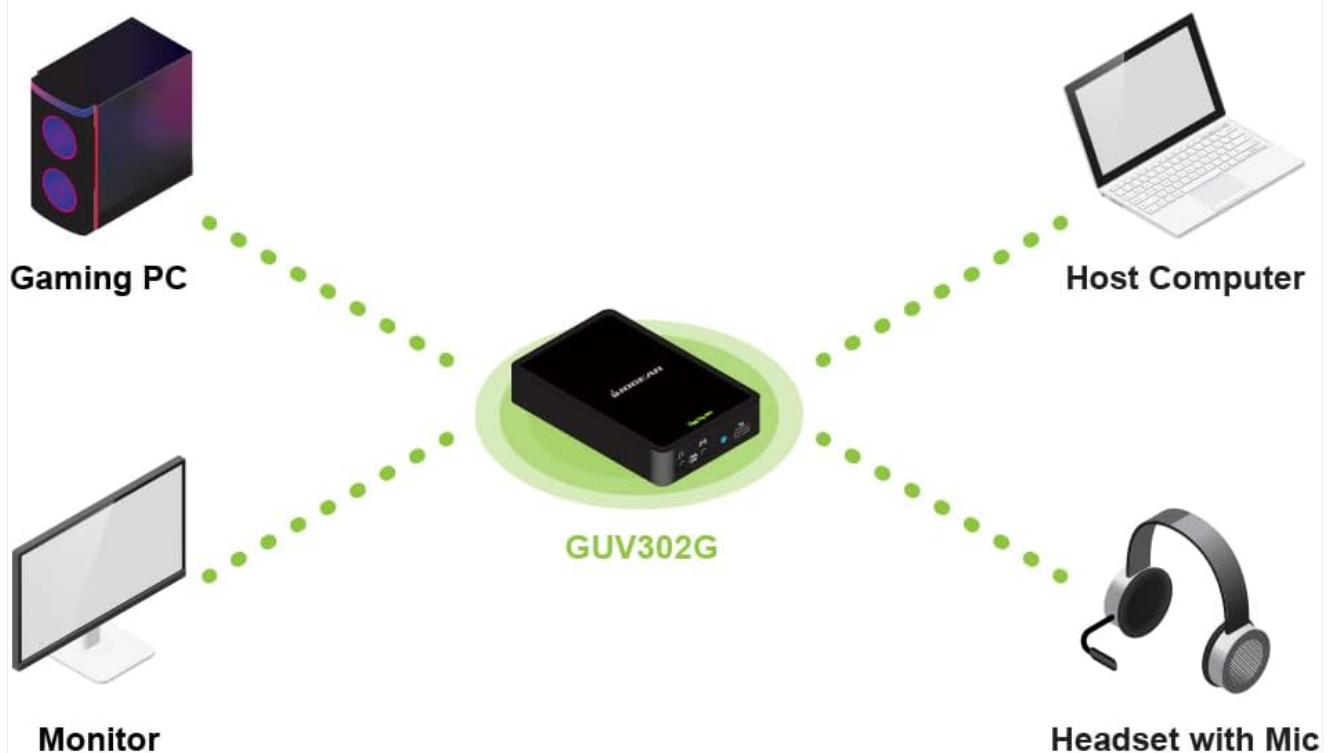
Image: A visual representation of a typical PC gaming capture setup using the GUV302G, connecting a gaming PC, monitor, headset, and host computer.

3. OPERATING INSTRUCTIONS

3.1 Capturing Gameplay

Once connected, the GUV302G will be recognized as a UVC (USB Video Class) device by your computer. Open your preferred streaming or recording software (e.g., OBS Studio, Streamlabs OBS).

- Add a new 'Video Capture Device' source.
- Select 'IOGEAR Upstream' or similar from the device list.
- Configure video resolution and frame rate settings within the software. The GUV302G supports capture up to 4K 30Hz, 1440p 60Hz, or 1080p 120Hz.
- Ensure audio input is also selected from the GUV302G for game audio and party chat.

Image: A gamer playing on a console, with the IOGEAR Upstream capture card connected, demonstrating the ability to capture stunning 4K 30Hz HDR quality gameplay.

3.2 Passthrough Functionality

The GUV302G offers lag-free passthrough to your display, allowing you to play games at their native high resolutions and refresh rates while simultaneously capturing. Supported passthrough resolutions include:

- 4K at 60Hz
- 1440p at 144Hz
- 1080p at 240Hz

Image: A gamer wearing a headset, actively playing, with the IOGEAR Upstream GUV302G connected, illustrating the lag-free high-resolution passthrough capabilities.

3.3 Using the Party Chat Mixer

The built-in party chat mixer allows you to capture both your headset audio and in-game audio from your console without additional adapters or wires.

- Connect your gaming headset to the 'Headset Audio' port.
- Connect your console controller's audio output (if applicable) to the 'Control Party Chat Audio' port.
- The combined audio will be sent to your computer via the USB-C connection and can be managed within your streaming software.

Image: Close-up of the IOGEAR Upstream GUV302G with cables connected for headset and controller audio, demonstrating the built-in party chat mixer for consoles.

4. MAINTENANCE

To ensure the longevity and optimal performance of your IOGEAR Upstream 4K Game 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 exposing it to excessive force.
- **Ventilation:** Ensure the device has adequate ventilation to prevent overheating during extended use.

5. TROUBLESHOOTING

If you encounter issues with your IOGEAR Upstream 4K Game Capture Card, please refer to the following common troubleshooting steps:

Problem	Possible Solution
No video signal in streaming software	- Ensure all HDMI cables are securely connected to the correct IN/OUT ports. - Verify your source device (console) is powered on and outputting video. - Check the resolution settings in your streaming software; try a lower resolution if experiencing issues. - Confirm the GUV302G is selected as the video capture device in your software.
No audio or buzzing sound	- Ensure audio cables for headset/controller are properly connected. - Check audio input settings in your streaming software; select the GUV302G as the audio device. - Verify audio levels are not muted in your software or system settings. - If buzzing occurs, try a different USB port on your computer or ensure proper grounding.
Device not recognized by computer	- Try connecting the USB-C cable to a different USB port on your computer, preferably a USB 3.0 port. - Restart your computer. - Ensure your operating system is up to date. - Try a different USB-C cable if available.
Lag or dropped frames during capture	- Ensure you are using a USB 3.0 port for the connection to your computer. - Close unnecessary applications running in the background on your computer. - Lower the capture resolution or frame rate in your streaming software. - Check your computer's CPU and GPU usage; upgrade hardware if consistently high.

6. SPECIFICATIONS

Feature	Detail
Model Number	GUV302G
Hardware Platform	Gaming Console
Operating System Compatibility	Windows 10/11, macOS, Linux (UVC-compatible)
Item Weight	13.3 ounces
Product Dimensions	7.4 x 6.2 x 2.1 inches
Hardware Interface	3.5mm Audio, HDMI, USB 3.0 Type C
Video Capture Resolution	4K@30Hz (Capture), 1440p@60Hz, 1080p@120Hz

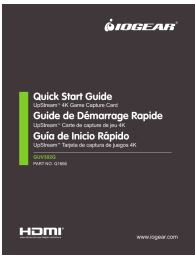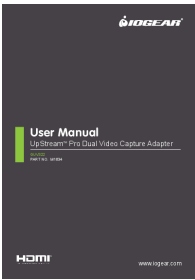| Feature	Detail
Passthrough Resolutions	4K@60Hz, 1440p@144Hz, 1080p@240Hz
Recommended Uses	Gaming, Streaming, Video Conferencing, Video Recording, Webcam Upgrade

7. WARRANTY AND SUPPORT

The IOGEAR Upstream 4K Game Capture Card (GUV302G) comes with a **1 Year Limited Hardware Warranty**. IOGEAR also provides **Lifetime Technical Support** for this product.
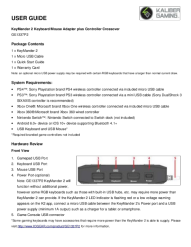
For detailed warranty information, additional instructions, or technical assistance, please refer to the official IOGEAR website or contact IOGEAR customer support directly. You may also find helpful resources in the Safety and Product resources documents provided with your purchase or available online.

IOGEAR Contact Information:
Visit www.iogear.com for support, drivers, and FAQs.

Related Documents - GUV302G

	IOGEAR UpStream 4K Game Capture Card GUV302G Quick Start Guide Quick start guide for the IOGEAR UpStream 4K Game Capture Card (GUV302G). Covers hardware setup, video/audio configuration with OBS, system requirements, and warranty information.
	IOGEAR GUV322 UpStream Pro Dual Video Capture Adapter User Manual Explore the IOGEAR GUV322 UpStream Pro Dual Video Capture Adapter, a versatile device for capturing and mixing dual 4K video sources in FHD for high-quality live streaming and recording on PCs and mobile devices. This manual provides comprehensive setup, configuration, and operational guidance.
	IOGEAR GE1337PKIT KeyMander Wireless Keyboard & Mouse Bundle for Game Consoles Enhance your console gaming experience with the IOGEAR GE1337PKIT KeyMander Wireless Keyboard & Mouse Bundle. Enjoy PC-like control and precision on Xbox One, PS4, Xbox 360, and PS3 consoles with this plug-and-play adapter and wireless peripherals.

[IOGEAR KeyMander 2 GE1337P2 User Guide: Keyboard, Mouse, and Controller Adapter](#)

Comprehensive user guide for the IOGEAR KeyMander 2 (GE1337P2), detailing setup, hardware review, K2 app usage, console configuration, basic operation, advanced settings, customization, troubleshooting, and technical support for PC and console gaming.

[IOGEAR GUV301 Quick Start Guide: HDMI to USB-C Video Capture Adapter](#)

This guide provides instructions for the IOGEAR GUV301, a video capture adapter that converts HDMI signals to USB-C. It covers package contents, system requirements, installation, compliance, and warranty information.

[IOGEAR GCS1932H/GCS1934H 2/4-Port 4K HDMI KVMP Switch User Manual](#)

User manual for the IOGEAR GCS1932H/GCS1934H, a 2/4-port 4K HDMI KVMP switch with USB 3.1 Gen 1 hub and audio mixer. It details safety instructions, features, requirements, installation, operation, advanced configuration, firmware upgrades, specifications, troubleshooting, warranty, and compliance information.