

ezcap Ezcap331

ezcap Ezcap331 Cam Link 4K HDMI Capture Card User Manual

Model: Ezcap331

1. INTRODUCTION

The ezcap Ezcap331 Cam Link 4K is a compact and efficient USB 3.1 HDMI capture card designed for recording and live streaming high-definition video. It supports resolutions up to 4K at 30 frames per second (FPS) or 1080P at 60 FPS, making it suitable for various applications including gaming, content creation, and video conferencing. This device operates on a plug-and-play basis, adhering to the UVC standard, and does not require additional driver installations.

It facilitates the capture of video directly from HDMI sources such as DSLR cameras, camcorders, action cameras, and game consoles (PS5, PS4, Xbox One, Xbox 360, Nintendo Switch) to your PC or Mac. The Ezcap331 is compatible with popular live streaming software like OBS, Mimo Live, VMix, and VLC, and includes ezcap's self-developed collection and live streaming software, ezcap Link.



Image: The Ezcap331 Cam Link 4K capture card connected to a laptop, highlighting its USB 3.1 interface and capabilities for 4K HDMI input at 30 FPS.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Ezcap331 Cam Link 4K Capture Card
- User Manual

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Video: An unboxing and overview of the Ezcap331 4K Mini Game Capture Card, showing the device and its packaging.

3. SETUP

The Ezcap331 Cam Link 4K is designed for straightforward setup. Follow these steps to begin using your capture card:

1. **Connect to Computer:** Insert the USB 3.1 connector of the Ezcap331 capture card into an available USB 3.1 port on your PC or Mac. The device is plug-and-play, requiring no driver installation.

2. **Connect HDMI Source:** Connect your HDMI video source (e.g., DSLR camera, camcorder, action camera, game console) to the HDMI input port on the Ezcap331 using an HDMI cable.
3. **Launch Software:** Open your preferred video capture or live streaming software on your computer. Compatible software includes OBS, Mimo Live, VMix, VLC, or the ezcap Link software.
4. **Select Device:** Within your software, select the Ezcap331 as your video input device.

For capturing mobile games, an MHL to HDMI converter cable may be required, depending on your mobile device's capabilities.



Image: Illustrates connecting a mobile device to the capture card for recording, emphasizing the need for an MHL to HDMI converter for mobile game capture.

4. OPERATING INSTRUCTIONS

Once the Ezcap331 is set up and recognized by your software, you can begin recording or streaming:

- **Video Input:** The device supports various HD video protocols with input and output resolutions up to 4K. It can capture video at 4K@30fps, 1080P@120fps, or 1440P@60fps.
- **Low Latency:** The Ezcap331 offers low latency, ensuring minimal delay between your source and the captured feed, which is crucial for live monitoring and interactive streaming.

- **Multi-Video Format:** Supports YUY2, NV12, and RGB video formats, providing flexibility for different streaming and recording needs.
- **Live Streaming:** Use compatible software to stream directly to platforms like Twitch, YouTube, Facebook, and other webcasting services. The ezcap Link software provides a streamlined experience for collection and live streaming.
- **Real-time Feedback:** The device allows for real-time, full-screen feedback, enabling effective communication with your audience during live sessions.

Multi Video Format

YUY2/NV12/RGB, Indoor/Outdoor Livestreaming use



Image: A camera connected to the capture card and a tablet, demonstrating the device's capability for multi-video format livestreaming.

Easily communicate with Fans

Real time and full screen feedback



Image: Shows the setup for live communication with an audience, featuring a camera, capture card, and a tablet displaying the live feed.

Your browser does not support the video tag.

Video: An instructional video demonstrating the connection and use of the Ezcap331 4K Mini Game Capture Card for recording and streaming.

5. SPECIFICATIONS

Feature	Detail
Brand	ezcap
Model Number	Ezcap331
Hardware Interface	USB 3.1
Video Capture Resolution	Up to 4K@30fps, 1080P@120fps, 1440P@60fps
Input/Output Resolution	Up to 4K

Feature	Detail
Operating System Compatibility	Windows, macOS
Item Weight	2.82 ounces
Product Dimensions	3.94 x 0.79 x 1.57 inches
Recommended Uses	Video Recording, Live Streaming

Supported Video Formats and Max FPS

	Video Format options	MAX FPS
3840 x 2160	NV12	30
1920 x 1080	NV12	120
	YUY2	60
	XRGB	30
2560 x 1440	NV12	60
	YUY2	50
1280 x 720	NV12	60
	YUY2	60
	XRGB	60

Image: A detailed table outlining the supported video formats (NV12, YUY2, XRGB) and their corresponding maximum frame rates at different resolutions.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Ezcap331 Cam Link 4K, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean 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:** Handle the device with care to prevent physical damage. Avoid dropping or subjecting it to strong impacts.
- **Connectivity:** Always ensure that cables are inserted and removed gently to prevent damage to the ports.

7. TROUBLESHOOTING

If you encounter issues with your Ezcap331 Cam Link 4K, refer to the following common troubleshooting steps:

- **No Signal/Black Screen:**
 - Ensure all HDMI and USB connections are secure.
 - Verify that your HDMI source is powered on and outputting a signal.
 - Check your software settings to ensure the Ezcap331 is selected as the correct video input device.
 - Confirm that the HDMI source's resolution and refresh rate are supported by the capture card (refer to Specifications).
- **Poor Video Quality/Incorrect Colors:**
 - Ensure you are using a high-quality HDMI cable.
 - Check your software's video settings for resolution, frame rate, and color space. Adjust as needed.
 - Some users have reported needing to adjust FPS settings in software (e.g., setting to 120fps for 60fps capture) or using the ezcap Link software for optimal performance.
- **Device Not Recognized:**
 - Ensure the capture card is plugged into a USB 3.1 port. USB 2.0 ports may not provide sufficient bandwidth.
 - Try connecting to a different USB port or a different computer to rule out port or system-specific issues.
 - Restart your computer and try again.
- **Audio Issues:**
 - Verify audio input settings in your capture software.
 - Ensure the HDMI source is sending audio.

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your product at the time of purchase or visit the official ezcap website. The warranty typically covers manufacturing defects for a specified period.

For technical support, frequently asked questions, or to download the latest software and firmware updates, please visit the official ezcap support page or contact their customer service directly. Contact information can usually be found on the product packaging or the manufacturer's website.

