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ezcap Ezcap360

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Model: Ezcap360

INTRODUCTION

Welcome to the ezcap Ezcap360 Game Capture Card user manual. This guide provides comprehensive instructions for setting up and operating your device, ensuring you can maximize its capabilities for high-quality video capture and streaming.

The Ezcap360 is a versatile video capture device designed for demanding users, supporting resolutions up to 4K at 60 frames per second (FPS) and 1080p at 240 FPS. It features HDMI input and loop-through, USB 3.2 Gen1 Type-C connectivity, and broad compatibility with various operating systems and third-party software, making it ideal for streaming, gaming, and video conferencing.



Image Description: A sleek, dark-colored ezcap GameDock Extreme (Ezcap360) capture card with illuminated RGB accents, set against a futuristic, starry background, highlighting its modern design.

PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Ezcap360 Game Capture Card
- USB Type-C to USB Type-A Cable
- HDMI Cable
- User Manual (this document)

SETUP INSTRUCTIONS

Connecting the Device

Follow these steps to properly connect your Ezcap360 Game Capture Card to your video source, display, and computer:

1. Connect your video source (e.g., game console, camera, media player) to the **HDMI IN** port on the Ezcap360 using an HDMI 2.0 cable.
2. Connect your display device (e.g., monitor, TV) to the **HDMI OUT** (loop-out) port on the Ezcap360 using another HDMI 2.0 cable. This allows you to view your content without latency.
3. Connect the Ezcap360 to an available USB 3.0 or USB 3.2 port on your computer using the provided USB Type-C to USB Type-A cable. Ensure it is a USB 3.0/3.2 port for optimal performance.
4. (Optional) For external audio input, connect a 3.5mm audio source to the **LINE IN** port (3-pole TRS).
5. (Optional) For headset functionality (microphone and headphones), connect a 3.5mm headset to the **HEADSET** port (4-pole CTIA).

Record and stream instantly



Image Description: A detailed diagram illustrating the various input and output ports on the Ezcap360 Game Capture Card, showing connections to a desktop PC, laptop, monitor, TV-set, camera, GoPro, gamebox, microphone, and external audio device, providing a visual guide for setup.

Driver Installation

The Ezcap360 is a UVC (USB Video Class) standard device. This means it is designed for plug-and-play operation and typically does not require manual driver installation on compatible operating systems such as

Windows, macOS, and Linux. Your computer should automatically recognize the device upon connection.

OPERATING INSTRUCTIONS

Software Compatibility

The Ezcap360 is compatible with a wide range of third-party video capture and streaming software. Popular options include:

- OBS Studio
- XSplit
- VLC Media Player
- ezcap Link (official software)
- QuickTime (macOS)
- Amcap
- Potplayer



Image Description: An illustration demonstrating the Ezcap360's compatibility with various operating systems (Windows, MacOS, Linux, Android) and popular streaming/capture software (Facebook Live, YouTube, TikTok, Twitch, OBS, VLC, etc.),

showcasing its broad integration capabilities.

Recording and Streaming

Once the Ezcap360 is connected and recognized by your computer, follow these general steps to begin recording or streaming:

1. Open your preferred video capture or streaming software (e.g., OBS Studio).
2. In the software's settings or source selection menu, add a new video input source. The Ezcap360 should appear as a selectable device (e.g., "ezcap Game Capture").
3. Similarly, add a new audio input source and select the Ezcap360 for audio capture (if using HDMI audio or connected 3.5mm audio).
4. Configure your desired recording or streaming resolution, frame rate, and encoding settings within the software. The device supports various formats and resolutions, including 4Kp60 (MJPG) and 1080p120 (NV12).
5. Initiate recording or live streaming through your chosen software's controls.

Status Indicator

The Ezcap360 features a multi-color LED status indicator to provide visual feedback on its operational state:

- **Red:** Indicates the device is powered on.
- **Blue:** Indicates an active HDMI signal is connected to the input port.
- **Color Slow Flashing:** Indicates the device is actively running, meaning it is capturing or streaming video.

HDR and VRR Support

The Ezcap360 supports High Dynamic Range (HDR) and Variable Refresh Rate (VRR) for both input and loop-through. This functionality enhances visual quality by providing a wider range of colors and contrast (HDR) and ensures smoother, tear-free gameplay by synchronizing the display's refresh rate with the video source's frame rate (VRR).

VRR

Variable Refresh Rate technology gets
out of your way for gaming



Image Description: A side-by-side comparison demonstrating the benefit of Variable Refresh Rate (VRR) technology. The left image, labeled "NO VRR-TEARING," shows a car with horizontal screen tearing artifacts. The right image, labeled "VRR-NO TEARING," shows the same car with smooth, artifact-free visuals, highlighting the improvement VRR provides.

TECHNICAL SPECIFICATIONS

Feature	Detail
Interface	USB 3.2 (Gen 1) Type-C (plug and play, UVC)
Video Input/Output (Loop-out)	HDMI 2.0
Audio Input	HDMI 2.0 (Supports LPCM 5.1/7.1 channels), 3.5mm Line In (3-pole TRS), 3.5mm Headphone In (4-pole CTIA)
Audio Output (Loop-out)	HDMI 2.0, 3.5mm Headphone Out (4-pole CTIA)
Maximum HDR Loop-through Resolution	2160p60, 1440p120, 1080p240
Maximum VRR Loop-through Resolution	3840 x 2160 - VRR (48 - 60 Hz), 1920 x 1080 - VRR (48 - 120 Hz)
Highest Recording Resolutions	3840 x 2160 @ 60fps (MJPG), 30fps (NV12/I420); 2560 x 1440 @ 60fps (NV12/I420/MJPG), 50fps (YUY2); 1920 x 1080 @ 120fps (NV12), 60fps (I420/YUY2/RGB24/MJPG)
Latency	Less than 50ms
Operating Systems Supported	Windows 10 x64 / 11 x64, macOS 11 / 12, Linux
System Requirements (Windows Desktop)	Intel Core i5-6XXX or better, NVIDIA GeForce GTX 1060 or better, 8 GB RAM recommended
System Requirements (Windows Laptop)	Intel Core i7-7700HQ or better, NVIDIA GeForce GTX1050 Ti or better, 8 GB RAM recommended
System Requirements (macOS)	Apple M1 or Intel i7 quad-core or better, Radeon Pro 555 (2 GB VRAM), 16 GB 2400 MHz DDR4 RAM
Dimensions (Approximate)	5.43 x 3.98 x 2.36 inches
Weight (Approximate)	10.6 ounces

Note: YCbCr 420 VRR input is not supported. For example, with XBOX X1, please select YCC 4:2:2 settings to enable VRR functionality.

TROUBLESHOOTING

No Signal Detected

- Ensure all HDMI cables are securely connected to both the input and output ports of the Ezcap360, as

well as to your source and display.

- Verify that your video source (e.g., game console) is powered on and actively outputting a video signal.
- Check the Ezcap360's status indicator light; it should be blue when an HDMI signal is successfully connected.
- Confirm that your capture software is correctly configured to select the Ezcap360 as the primary video input device.
- If using VRR with an Xbox X1 and experiencing issues, ensure that YCC 4:2:2 settings are selected on the console.

Recording/Streaming Issues (Lag, Stuttering, Dropped Frames)

- Ensure your computer meets or exceeds the minimum system requirements specified in the Technical Specifications section.
- Always connect the Ezcap360 to a USB 3.0 or USB 3.2 port for optimal data transfer speeds. USB 2.0 ports may not provide sufficient bandwidth for high-resolution capture.
- Close any unnecessary applications running in the background on your computer to free up CPU and GPU resources.
- If issues persist, try lowering the recording or streaming resolution and/or frame rate within your capture software settings.
- Update your graphics card drivers and operating system to the latest versions.

No Audio

- Verify that the audio settings in your capture software are correctly configured to use the Ezcap360's audio input.
- Check all physical audio connections, including HDMI audio, 3.5mm line in, or headset connections.
- Ensure the audio source is active, not muted, and its volume is set to an audible level.
- Confirm that your computer's sound settings recognize the Ezcap360 as an audio input device.

MAINTENANCE

To ensure the longevity and optimal performance of your Ezcap360 Game Capture Card, please follow these maintenance guidelines:

- **Cleaning:** Keep the device clean by gently wiping its exterior with a soft, dry, lint-free cloth. Avoid using liquid cleaners, abrasive materials, or chemical solvents, as these can damage the finish or internal components.
- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity. When not in use for extended periods, consider storing it in its original packaging or a protective case.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts. Do not attempt to disassemble the device, as this will void the warranty and may cause irreparable damage.
- **Ventilation:** Ensure the device has adequate ventilation during operation to prevent overheating. Do not block any ventilation openings.

WARRANTY AND SUPPORT

The ezcap Ezcap360 Game Capture Card comes with a standard manufacturer's warranty. For detailed information regarding warranty coverage, terms, and conditions, please refer to the warranty card included

with your product or visit the official ezcab website.

For technical support, troubleshooting assistance, or any further inquiries regarding your Ezcab360, please contact ezcab customer service. You can typically find contact information on the official ezcab website (www.ezcab.com) or through the retailer where the product was purchased. Please have your product model number (Ezcab360) and purchase details ready when contacting support.