

ezcap ezcap284

Ezcap284 Standalone Video Capture Card User Manual

Model: ezcap284

1. INTRODUCTION

The ezcap284 is a standalone video capture card designed for recording video content from various sources without the need for a computer. It supports HDMI, Component Video (YPbPr), and Composite Video (AV) inputs, allowing for broad compatibility with gaming consoles, DVD players, set-top boxes, and other video devices. Recordings are saved directly to a USB flash drive or SD card in 1080p resolution. The device features a remote control for convenient operation and a microphone input for adding commentary.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Ezcap284 Capture Card
- Remote Control
- Power Adapter (USB cable and power brick)
- AV Cable (Component/Composite adapter)
- Installation Guide
- Software CD (for optional PC use, not required for standalone operation)

3. PRODUCT OVERVIEW

Familiarize yourself with the Ezcap284 device and its various ports and indicators.



Image: The Ezcap284 Standalone Video Capture Card shown with its included remote control. The device is black with a red base, featuring input/output ports and control buttons.



1. PWR—DC 5V power supply	2. HDMI IN	3. AV in —Ypbpr/Composite Input
4. Microphone Input	5. Line Out	6. HDMI Out
7. USB HOST— For storaging recorded video use		
8. SD Slot— For storaging recorded video use		
9. Record button and LED indicator		

Image: A detailed diagram of the Ezcap284's ports and indicators. Key features include PWR-DC 5V power supply, HDMI IN, AV IN (YPbPr/Composite), Microphone Input, Line Out, HDMI Out, USB HOST, SD Slot, and the Record button with LED indicator.

3.1. Input/Output Ports

- **PWR-DC 5V:** Power input for the device.
- **HDMI IN:** Connects to HDMI video sources.
- **AV IN (YPbPr/Composite):** Connects to analog video sources using the provided adapter cable.
- **Microphone Input:** 3.5mm jack for connecting a TRS standard microphone for audio commentary.
- **Line Out:** Audio output.
- **HDMI Out:** Connects to a display for pass-through viewing.
- **USB HOST:** For connecting a USB flash drive for recording storage.
- **SD Slot:** For inserting an SD card for recording storage.

3.2. Indicators and Controls

- **Record Button:** Initiates and stops recording.

- **LED Indicators:** Display device status (Power, Recording, Video Input).
- **Input Selection Switch:** Allows manual selection between YPbPr, CVBS, and HDMI inputs.

Tips for USB Flash Drive/SD Card storage



1. Suggest to use FAT, FAT32 format.
2. Recognize the first connected one if you connect USB disk and SD card at the same time.
3. Do not take the memory off when the indicator is flashing.
4. Will stop recording if the USB flash Drive or SD card is out of space automatically.

Image: A diagram illustrating various compatible input sources for the Ezcap284, including cameras, VHS/V8/Hi8 players, game consoles, computers, DVD players, and set-top boxes.

4. SETUP

Follow these steps to set up your Ezcap284 capture card for recording.

4.1. Power Connection

1. Connect the provided USB power cable to the PWR-DC 5V port on the Ezcap284.
2. Plug the other end of the USB cable into the power adapter and then into a wall outlet. The blue LED indicator will illuminate, indicating the device is powered on.

4.2. Video Source Connection

Choose the appropriate connection method based on your video source:

4.2.1. HDMI Input

1. Connect an HDMI cable from your video source (e.g., game console, Blu-ray player) to the **HDMI IN** port on the Ezcap284.
2. Connect a second HDMI cable from the **HDMI OUT** port on the Ezcap284 to your TV or monitor. This allows you to view the video source while recording.

What does the different color of indicator light mean?



1. Blue--Power connect.
2. Red-- During recording.
3. Green-- Different video input.

Tips: If two green indicator lights are on at the same time, it means the video source is from CVBS input.

Image: The Ezcap284 connected via HDMI to a gaming console and a curved monitor, demonstrating a typical HDMI setup for recording gameplay.

4.2.2. YPbPr/AV (Component/Composite) Input

1. Connect the provided AV adapter cable to the **AV IN** port on the Ezcap284.
2. Connect the corresponding YPbPr (Red, Green, Blue for video; Red, White for audio) or Composite (Yellow for video; Red, White for audio) cables from your video source to the AV adapter.
3. If using a display, connect an HDMI cable from the **HDMI OUT** port on the Ezcap284 to your TV or monitor.

Get 4 extra functions by using remote-controller



1. Record/Stop recording
2. Choose recording resolution between 720P and 1080P as you like.
3. Choose CVBS/Ypbpr/HDMI video input.
4. Snapshot

Tips: Snapshot cannot work during video recording.

Image: The Ezcap284 connected to an older device using the multi-colored AV (Component/Composite) cables, illustrating how to connect analog video sources.

4.3. Storage Device Connection

1. Insert a USB flash drive into the **USB HOST** port or an SD card into the **SD Slot**.
2. Ensure the storage device is formatted to FAT32 for optimal compatibility. If both are connected, the device will recognize the first one connected.

5. OPERATION

This section details how to record video, use the microphone, and understand the indicator lights.

5.1. Recording Video

1. Ensure all connections (power, video source, display, storage) are secure.
2. Turn on your video source and display.
3. Use the input selection switch on the device or the remote control to select the correct video input (HDMI,

YPbPr, or CVBS). The corresponding green LED will light up.

4. Press the **Record Button** on the device or the 'REC/STOP' button on the remote control to start recording. The red LED indicator will flash.
5. Press the **Record Button** or 'REC/STOP' button again to stop recording. The red LED will turn off.

5.2. Using the Remote Control

The remote control provides additional functions for convenience:



Image: A hand holding the Ezcap284 remote control, highlighting its buttons for recording, resolution selection, input selection, and snapshot.

- **REC/STOP:** Start or stop video recording.
- **720P/1080P:** Select recording resolution (720p or 1080p).
- **CVBS/YPbPr/HDMI:** Select the video input source.
- **Snapshot:** Capture a still image (not available during video recording).

5.3. Microphone Input

To add live commentary to your recordings:

Mix your game commentaries with video together



Image: A close-up of the Ezcap284's microphone input jack with a 3.5mm TRS microphone plug inserted, illustrating how to connect a microphone for commentary.

1. Connect a TRS standard 3.5mm microphone to the **Microphone Input** jack.
2. Your commentary will be mixed with the video's audio during recording.

5.4. Understanding LED Indicators



Image: A diagram showing the Ezcap284's LED indicators and their corresponding meanings: Blue for power, Red for recording, and Green for different video inputs.

- **Blue LED:** Indicates the device is powered on.
- **Red LED (flashing):** Indicates active recording.
- **Green LED:** Indicates the selected video input source. If two green lights are on simultaneously, the video source is from CVBS input.

6. STORAGE DEVICE GUIDELINES

Proper handling of your USB flash drive or SD card is crucial for successful recordings.



Image: The Ezcap284 device with a USB flash drive inserted into the USB HOST port and an SD card slot visible, accompanied by tips for USB Flash Drive/SD Card storage.

- **Format:** It is recommended to use FAT32 format for your USB flash drive or SD card.
- **Simultaneous Use:** If both a USB disk and an SD card are connected, the device will prioritize the one connected first.
- **Removal:** Do not remove the memory card or USB drive while the indicator light is flashing (during recording or saving).
- **Full Storage:** Recording will automatically stop if the USB flash drive or SD card runs out of space.

7. TROUBLESHOOTING

If you encounter issues with your Ezcap284, refer to the following common solutions:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
No power (Blue LED off)	Power cable disconnected; faulty power adapter/outlet.	Check power connections. Try a different USB port or power adapter.
No video on display	Incorrect input selected; loose HDMI/AV cables; HDCP protection.	Ensure correct input is selected on the device and display. Check all cable connections. For HDCP-protected sources (e.g., some Blu-ray players, streaming devices), an HDMI splitter may be required to bypass HDCP.
Recording fails or file is corrupted	Storage device full; incorrect format; device removed during recording; power interruption.	Ensure storage device has sufficient space and is FAT32 formatted. Do not remove storage during recording. Ensure stable power supply.
No audio in recording	Audio cables not connected; microphone not connected or incorrect type; source audio settings.	Verify audio connections. Ensure microphone is a TRS standard 3.5mm type. Check audio output settings on your video source.
Remote control not working	Battery depleted; line of sight blocked.	Replace remote control battery. Ensure clear line of sight to the capture card's IR receiver.

8. SPECIFICATIONS

Feature	Detail
Model Name	ezcap284
Hardware Interface	USB, USB 2.0
Video Capture Resolution	1080p (30fps)
Record Quality	Up to 18Mbps @ 1080p
Input Signals	HDMI, Component Video (YPbPr), Composite Video (AV)
Storage Media	USB Flash Drive, SD Card (FAT32 format recommended)
Audio Input	3.5mm TRS Microphone Jack
Item Weight	12.3 ounces
Package Dimensions	6.02 x 4.25 x 3.31 inches
Batteries	1 Lithium Metal battery required (included for remote)

9. MAINTENANCE

To ensure the longevity and optimal performance of your Ezcap284 capture card, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid 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 to prevent physical damage. Avoid dropping or subjecting it to strong impacts.
- **Ventilation:** Ensure the device has adequate ventilation during operation to prevent overheating. The design includes features for heat dissipation.

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official ezcab website. Keep your proof of purchase for warranty claims.
