

**BG-4KCH****USB-C Video Capture Box with Scaler**

The BG-4KCH is a 4K capture device that enables users to capture a video signal from any HDMI source and transfer it to a computer via USB-C for recording or streaming. With this conveniently sized unit, video signals from devices like gaming consoles, cameras, computers, and media players can be captured in pristine 4K quality.

This video capture device supports video resolutions up to 4K2K@30Hz. It supports USB 3.1 Gen 1 (RGB/YUY2/NV12) as well as USB 2.0 (YUY2/NV12). The USB 2.0 connection supports a max resolution of 720p@30Hz. HDMI audio is supported in 2CH 16-bit PCM format.

**FEATURES**

- Capture resolutions up to 4K@30Hz
- USB 3.1 Gen 1 (RGP/YUY2/NV12)
- Ideal for recording in the field or on the go
- Plug and Play - no setup required
- Works with Windows 7 and up, Mac OS, and Linux)
- Compatible with most 3rd party software including YouTube, Twitch, Facebook, OBS Studio, and Zoom
- Low Latency (3-4ms at 1080P)
- Supports UVC1.0/1.1/1.5
- Recording Video Format: Software Compression



## Technical

Role of usage: Video Capture Device

Input Video bandwidth: 297MHz

Output bandwidth: Up to 350Mbps (USB-C)

Video support (USB-C): Up to 4K2K@30

Audio Input: HDMI Embedded Audio

Audio Format: 2CH 16bit PCM

Recording Mode: Software Compression

Recording Video Format: RGB/YUY2/NV12 (USB3.1 Gen 1), YUY2/NV12 (USB2.0)

ESD protection: Human body model: 315kV (air-gap discharge) & 38kV (contact discharge)

PCB stack-up: 4-layer board (impedance control — differential 100ff; single 50ff)

Firmware update: Via USB-C Port

Input: 1x HDMI

Output: 1x USB-C

HDMI connector: Type A [19-pin female]

USB connector: USB 3.1 Type C (SuperSpeed USB)

Software compatibility (not complete list): OBS Studio (Windows, Linux, MAC), Potplayer (Windows), VLC (MAC, Linux), AMCap (Windows), XSplit Boardcast (Windows), Skype (Windows, MAC), Zoom (Windows), Hangout (Windows), TeamViewer (Windows)

OS Support: Windows 7 /8.1 /10, Mac and Linux OS

## Mechanical

Housing: Metal enclosure

Dimensions (L x W x H): Model: 3" x 1.5" x 0.7" [77 x 38 x 19mm]; Package: 6.4" x 4.4" x 1.7" [165 x 111 x 42mm];

Carton: 1'6" x 1'4" x 13.8" [490 x 426 x 352mm]

Weight: Model: 2 oz [58g]; Package: 5 oz [142g]

Power supply: Via USB-C

Power consumption: 3 Watts (max)

Operation temperature: 32-104°F / 0-40°C

Storage temperature: -4-140°F / -20-60°C

Relative humidity: 20-90% RH (no condensation)

## Industry-Leading Warranty & Support

BZBGEAR Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years.

We pride ourselves in our Customer Service and seven-days-a-week Tech Support.



SE



NO