

AV OVER IP · USB CAPTURE

BLU-HDMI-USB-CC

HDMI in, USB out.

A plug-and-play HDMI-to-USB 3.0 video capture card. Capture an HDMI source up to 1080p60 (4K60 down-scaled), pass it through to a local display via HDMI loop-out, and grab analog or embedded audio. UVC/UAC compliant — no drivers — and works with OBS, Zoom, Teams and more.



USB 3.0	4K60 in	Loop-out	UVC / UAC	Audio
300–350 MB/s	→ 1080P CAPTURE	HDMI	NO DRIVERS	IN + EXTRACT

SPECIFICATION SUMMARY

Type	HDMI → USB 3.0 capture
HDMI in / loop	HDMI 2.0, HDCP 2.2
Max input	4K2K@60Hz 4:4:4
Capture	up to 1080p60 (4K down-scaled)
Interface	USB 3.0 (UVC/UAC)
Audio	3.5mm in + out, embedded extract
OS	Windows / Linux / macOS
EDID	Built-in management
Dimensions	98 × 60 × 17 mm
Power	USB-powered, 3.4W

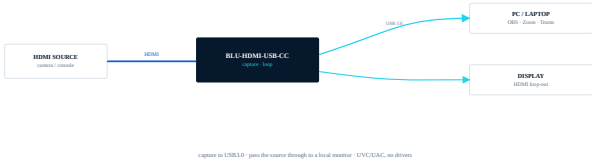
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KEY FEATURES

- HDMI 2.0 / HDCP 2.2 in and loop, up to 4K2K@60Hz
- Capture 480i~1080p60; 4K60 down-scaled to 1080p
- USB 3.0 (300–350 MB/s), UVC/UAC — plug-and-play
- Analog stereo audio in/out; embedded audio extract

Any HDMI source into any app. The card presents to the computer as a standard UVC webcam and UAC audio device, so OBS, Zoom, Teams and the rest see it instantly — while HDMI loop-out keeps a local monitor live.



capture to USB3.0 — pass the source through to a local monitor — UVC/UAC, no drivers

CAPTURE · HDMI SOURCE TO USB 3.0, WITH HDMI LOOP-OUT

01 Overview

What the capture card does, and what's in the box.

This HDMI-to-USB 3.0 **video capture card** delivers superior performance and compatibility in a pocket-sized, plug-and-play device. It captures an HDMI video input, supports external analog audio input (analog or digital audio selectable), and offers **HDMI loop-out** plus analog stereo audio extract from the HDMI source. Capture resolution reaches up to **1080p60** (4K60 down-scaled). Compatible with USB 3.0 chipsets, it meets the **UVC and UAC** standards — simple plug-and-play with no driver or setup required.

FEATURES

- HDMI video input capture and HDMI loop output
- Capture 480i~1080p60 video formats
- 4K2K@60Hz down-scaled to 1080p60 capture
- HDMI in / loop: HDMI 2.0, HDCP 2.2, up to 4K2K@60Hz (4:4:4)
- Analog stereo audio input (dual audio inputs selectable)
- Analog stereo audio extract from the HDMI source
- Compatible with Windows, Linux and macOS
- USB 3.0 transmission up to 300~350 MB/s
- Works with VLC, OBS, XSplit, AMCAP and more
- Plug-and-play — no driver or setup required
- Built-in EDID management
- Internal test pattern for calibration and troubleshooting

AT A GLANCE

Out USB 3.0	HDMI 2.0	HDCP 2.2
Max in 4K60	Capture 1080p60	
Class UVC/UAC	Loop HDMI	Audio Yes

PACKAGE CONTENTS

1×	HDMI to USB 3.0 Video Capture card
1×	USB 3.0 male to Type-A male Cable
1×	User Manual

02 Specifications

Technical, connection, mechanical and environmental figures.

TECHNICAL

Input Ports	1× HDMI IN [19-pin female] 1× AUDIO IN [3.5mm Stereo] 1× USB [Type A, USB 3.0]
Output Ports	1× HDMI OUT [19-pin female, loop] 1× AUDIO OUT [3.5mm Stereo]
HDMI Input Res.	Up to 4K2K@60 (4:4:4), 4096×2160p60
Capture Res.	up to 1920×1080p60 (3840×2160 down-scaled); also 640×360/480, 720×480/576, 800×600, 856×480, 960×540, 1024×576/768, 1280×720/800/960/1024, 1368×768, 1440×900, 1600×1200, 1680×1050
Loop-out Res.	Up to 4K2K@60 (4:4:4)
Frame Rate	25 / 29.97 / 30 / 50 / 59.94 / 60 fps
A/V Capture	UVC and UAC standard

SYSTEM

Supported OS	Windows 7/8/10, Linux (2.6.38+), macOS 10.8+
Software	OBS, VLC, Wirecast, PotPlayer, QuickTime, Teams, Zoom, WebEx, Skype...
USB	USB 3.0, 300~350 MB/s

MECHANICAL

Housing	Metal, silver
Dimensions	98 (W) × 60 (D) × 17 (H) mm
Weight	125 g

POWER

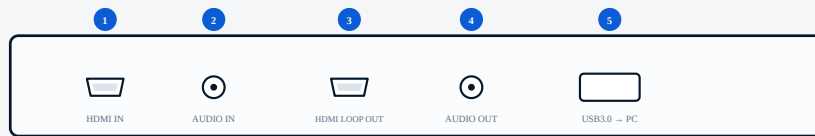
Consumption	3.4W (USB-powered)
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ENVIRONMENT

Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F
Storage Temp.	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (no condensation)

03 Interfaces & control

The connectors, and how capture, loop-out and audio work.



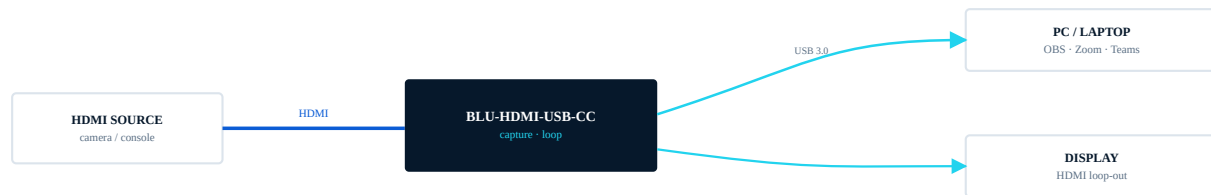
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|---|---------------|---|
| 1 | HDMI IN | HDMI Type A source input, up to 4K2K@60Hz 4:4:4. |
| 2 | AUDIO IN | 3.5mm stereo analog audio input (selectable with embedded audio). |
| 3 | HDMI LOOP OUT | HDMI pass-through to a local monitor, up to 4K2K@60Hz. |
| 4 | AUDIO OUT | 3.5mm stereo analog audio output / extract. |
| 5 | USB 3.0 → PC | USB 3.0 Type-A to the computer; appears as a UVC/UAC device. |

No drivers, ever. UVC/UAC compliance means the host sees a standard capture device — plug in and it's ready in OBS, Zoom, Teams or any capture app.

Keep a local view. HDMI loop-out sends the source straight to a monitor at full resolution while USB 3.0 carries the 1080p capture.

04 Application example

Bring a camera, console or laptop into a stream or video call.



capture to USB3.0 · pass the source through to a local monitor · UVC/UAC, no drivers

Stream anything. A camera, console or second computer plugs in over HDMI and appears in OBS or a video call over USB 3.0 — with a local monitor still live via loop-out.

Pick your audio. Capture embedded HDMI audio or an external analog source, and extract stereo audio back out for monitoring.

ORDERING

BLU-HDMI-USB-CC

HDMI to USB 3.0 Video Capture Card — HDMI 2.0 / HDCP 2.2 in and loop, up to 4K2K@60Hz input, capture to 1080p60 (4K down-scaled), USB 3.0 UVC/UAC (no drivers), analog audio in/out + embedded extract, built-in EDID, internal test pattern

bluKnot

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