

U-CAM

USB CAMERA & AUDIO TO HDMI CONVERTER

DEVICE CONNECTORS



OVERVIEW

INOGENI's U-CAM is an industry first! This camera converter converts USB cameras and audio to HDMI for CODECs, matrixes and displays.

The U-CAM connect USB cameras with or without advanced AI to CODEC's HDMI inputs, thereby optimizing the installed assets. It also helps to achieve better meeting experiences and meeting equity because everyone has access to high-quality images and sound.

- Capture video and audio from USB 3.0 and 2.0 cameras
- Connect Huddly Canvas (SB) to Cisco Webex Room Series (HDMI input)
- Ideal to connect Ai USB camera to HDMI CODECs or matrix.
- Award winning video converter device - Best of Show – InfoComm 2022
- IP and RS-232 control
- Designed and manufactured in Canada
- TAA-compliant

WHAT IS IN THE BOX

- 1x 3 ft. USB 2.0 cable (Type-A to Type-B)
- 1x RS-232 terminal block adapter
- 1x power supply 100-240 VAC 50/60Hz to 12V/1.2A DC
 - International adapters included in the box (AUS, EUR, UK and US)

HOW DOES IT WORK?

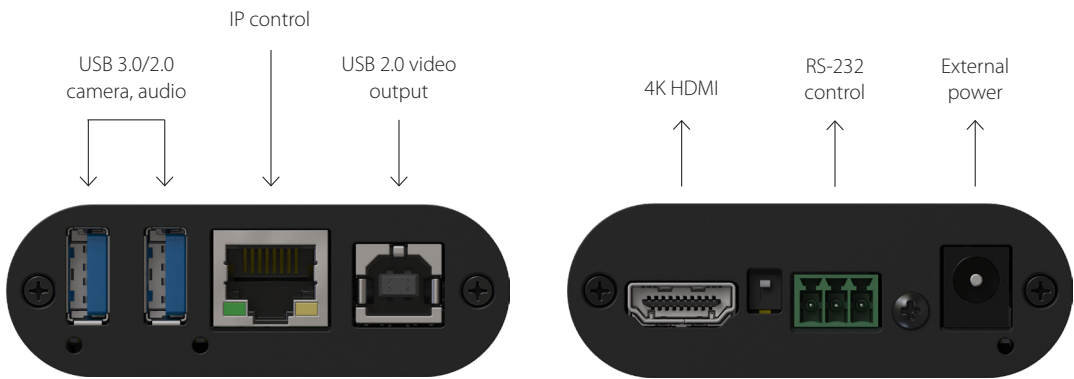
Thanks to its direct connection without drivers, the new U-CAM is a Plug-And-Go device that seamlessly converts the USB camera to HDMI with embedded audio as well as the video loop out on USB 2.0 in MJPEG high-quality format.

It can be controlled on CODEC pads via its RS-232 or LAN connectors. The U-CAM converts USB cameras and USB audio to HDMI for CODECs, matrixes and displays.

FEATURED CONNECTORS



DEVICE INTERFACES



TECHNICAL SPECIFICATIONS

VIDEO INPUT

Connector & video resolutions

2x USB 3.0
MJPEG: Up to 1080p30 using USB 2.0/3.0
YUYV: Up to 1080p60 using USB 3.0, 1080p10 using USB 2.0
Capture video and audio from USB 3.0 and 2.0 cameras.
Camera capture is done from USB input #1 and audio on USB input #2

VIDEO INPUT - CONT.

Embedded audio

Device will capture embedded audio from USB camera or external USB device and will output through HDMI.

TECHNICAL SPECIFICATIONS - CONT.

VIDEO OUTPUT

Connector & video resolutions	1x HDMI 3840x2160p23.98/24/25/29.97/ 30 fps 1080p50/60 fps 720p50/60 fps
Color space	YUV422 and YUV420 to RGB conversion
Embedded audio	Device will capture embedded audio from USB camera or external USB device and will output through HDMI.
USB - Connector & video resolutions	1x USB 2.0 Type-B UVC interface up to 1080p30 MJPEG UAC interface with audio I/O PTZ control supported
USB - Video scaler	Automatic hardware based
USB - Color space conversion	Automatic hardware based
USB - Sampling conversion	Automatic hardware based
USB - Frame rate conversion	Automatic hardware based

PHYSICAL DETAILS

Dimensions (W x L x H)	7.0cm x 8.3cm x 2.3cm 2.75" x 3.25" x 0.9"
Power supply	12V (100-240 VAC 50/60Hz to 12V/1.2A DC)
Weight	138 g (0,30 lb)
Package content	1x 3 ft. USB 2.0 cable (Type-A to Type-B) 1x RS-232 terminal block adapter 1x power supply 100-240 VAC 50/60Hz to 12V/1.2A DC International adapters included in the box (AUS, EUR, UK and US)
Operating temperature	0° to 45° C / 32° to 113° F
Storage temperature	-40° to 105° C / -40° to 221° F
Relative humidity	0% to 90% non-condensing

INFORMATION

UPC code	040232609015
Origin	Canada
Warranty	2 years

AUDIO

Capabilities input	Device will capture embedded audio from USB camera or external USB device and will output through HDMI.
Audio input	Audio coming from USB camera is converted to HDMI

CONTROL

IP interface	100 Mbps half-duplex (autonegotiation not supported) Supports DHCP or static IP addressing
Camera control	3x positions – Terminal block Baud rate: 9600 Data bits: 8 Stop bits: 1 Parity: None Flow control: None

COMPATIBILITY

Barco ClickShare Conference compatible	Compatible with Barco ClickShare Conference (CX-20, CX-30 & CX-50)
Operating system	NO driver installation necessary! Windows 7 and above (32/64-bit) macOS 10.10 and above Linux (kernel v2638)
Supported cameras	Cameras (or video Source) with an USB output
Software compatibility	UVC-compliant Runs with all software compatible to DirectShow, AVFoundation and V4L2 Compatible to: Teams, Zoom, Webex, Google Meet, etc.

CERTIFICATIONS

Certifications	FCC, CE, RoHS, IEC62368, SoV, RCM, KC, MSIP, NOM
TAA-compliant	Yes