4KXUSB3

4K HDMI TO USB 3.0
(+ HDMI LOOP, ANALOG AUDIO & VISCA)

DEVICE CONNECTORS

OVERVIEW

INOGENI's 4KXUSB3 is an affordable and easy-to-use Ultra HD to USB 3.0 camera converter with an HDMI loop and VISCA port. It can even support multiple devices on the same laptop.

- Easy and versatile camera converter for countless applications
- Perfectly compatible with Logitech UC cameras and CODECs
  - Logitech-tested compatible cameras: Rally and Rally Bar series, MeetUp, MeetUp 2, Scribe, and consumer cameras
  - Logitech UC CODECs: Rally Bar and Rally Bar series (Appliance Mode), Roommate, for MTR and Zoom Rooms
- Compatible with Barco ClickShare Conference (CX-20, CX-30 & CX-50)
- Compatible with Zoom Rooms HDMI camera and Zoom Certified
  - Crestron's AutoTracker™ and AutoFramer™ are now certified for Zoom Rooms® software with INOGENI's 4KXUSB3 converter for camera control.
- Cost-effective professional camera converter solution that is reliable as welle as simple to install and connect (no driver required)
- Designed and manufactured in Canada
- TAA-compliant

WHAT'S IN THE BOX

- 1x 1 m/3 ft. USB 3.0 cable (Type-A to Type-B)
- 1x RS-232 terminal block adapter

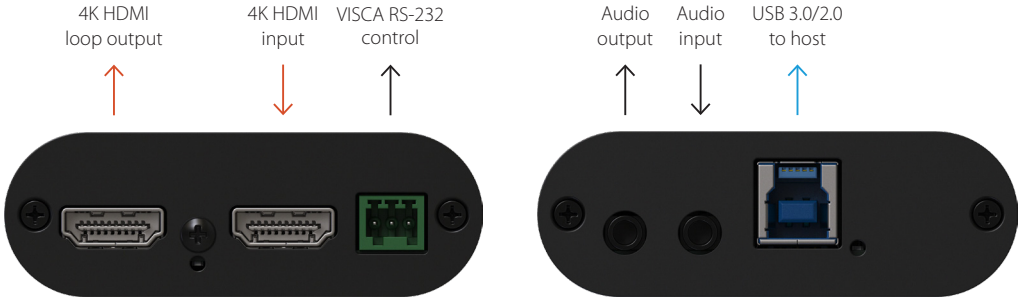
HOW DOES IT WORK?

The 4KXUSB3 Ultra HD to USB 3.0 professional camera converter with an HDMI loop and VISCA port works with any virtual meeting room software that enables USB cameras and microphones, such as Microsoft Teams, Zoom, Google Meet or BlueJeans.

Requiring no drivers and compatible with Windows, macOS and Linux laptops, the camera converter resolves all interoperability issues.

FEATURED CONNECTORS

DEVICE INTERFACES



TECHNICAL SPECIFICATIONS

VIDEO INPUT	
Connector & video resolutions	1x HDMI 1.4a 4K UHD (3840/4096×2160), 1440p, 1080p, 720p, 1080i, 480p, 576p, 1280×1024, 1280×960, 1280×800, 1024×768, 800×600, 640×480
Frame rates	60, 59.94, 50, 30, 29.97, 25, 24, 23.98 Hz for all resolutions, except 4K = 30 Hz max
Color space	RGB, YCbCr, 4:4:4, and 4:2:2 (4K=RGB)
Sampling rate	297 MHz
Embedded audio	Ch 1&2 48kHz LPCM
HDMI-CEC	Passthrough HDMI connections

AUDIO	
Analog audio I/O	2-channel LPCM audio from HDMI and/or from audio jack
Audio input connector	1x 3.5 mm, MIC or line-level, unbalanced
Audio output connector	1x 3.5 mm, line-level, unbalanced CH1&2 48 kHz LPCM feed from HDMI
Mixing functionality	HDMI audio and analog audio inputs are mixed over the USB input interface. USB audio output and HDMI audio input are mixed over the analog audio output. Use the Control App in order to manage audio layout.

TECHNICAL SPECIFICATIONS - CONT.

VIDEO OUTPUT	
Connector & video resolutions	1x HDMI 1.4a 4K UHD (3840/4096×2160), 1440p, 1080p, 720p, 1080i, 480p, 576p, 1280×1024, 1280×960, 1280×800, 1024×768, 800×600, 640×480
Color space	RGB, YCbCr 4:4:4 and 4:2:2 (4K=RGB)
USB - Connector & video resolutions	1x USB 3.0 Type-B
USB - CODECs	YUY2 4:2:2 and NV12/I420/YV12 4:2:0 for USB 3.0 MJPEG for USB 2.0
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

CONTROL	
PTZ control connector	1x terminal block for VISCA control from UVC interface RS-232 interface Baud rate @ 9600 bps

PHYSICAL DETAILS	
Dimensions (W x L x H)	7.0 cm x 9.7 cm x 2.3 cm 2.76" x 3.82" x 0.90"
Power supply	Powered by USB (5V, 900mA)
Weight	130 g (0.29 lb)
Package content	1x 1 m/3 ft. USB 3.0 cable (Type-A to Type-B) 1x RS-232 terminal block adapter
Operating temperature	0°C to 45°C / 32°F to 113°F
Storage temperature	-40°C to 105°C / -40° to 221°F
Relative humidity	0% to 90% non-condensing

COMPATIBILITY	
Barco ClickShare Conference compatibility	Compatible with Barco ClickShare Conference (CX-20, CX-30 & CX-50)
Zooms Rooms compatibility	Zoom Certified HDMI camera including professional-grade equipment such as Vaddio, Aver or Marshall cameras, including control of the PTZ cameras via the VISCA port. Crestron's AutoTracker™and AutoFramer™ are now certified for Zoom Rooms® software with INOGENI's 4KXUSB3 converter for camera control.
Logitech UC cameras and CODECs compatibility	Logitech-tested compatible cameras: Rally and Rally Bar series, MeetUp, MeetUp 2, Scribe, and consumer cameras Logitech UC CODECs: Rally Bar and Rally Bar series (Appliance Mode), Roommate, for MTR and Zoom Rooms
Operating system	NO driver installation necessary! Windows 7 and above (32/64-bit) macOS 10.10 and above Linux (kernel v2638)
Consumed USB tiers	1 tier The device is a simple USB composite device which include video, audio, and control interfaces. It will consume 1 tier.
Minimum host requirements	USB 2.0 port – We recommend USB 3.0 for uncompressed video 4GB RAM Intel Core i5 or equivalent Graphic card with dedicated memory
Motherboards	Compatible with all motherboards: Intel, Renesas, ASMedia, and Fresco Logic
Supported cameras	Cameras and camcorders with an HDMI output
Software compatibility	UVC-compliant, it runs with all software compatible with DirectShow, AVFoundation and V4L2. Compatible with: Microsoft Teams, Zoom, Webex, Google Meet, etc.

TECHNICAL SPECIFICATIONS - CONT.

INFORMATION	
UPC code	040232378935
Origin	Canada
Warranty	5 years: Products purchased by the end-user after August 1, 2024 2 years: Products purchased by the end-user before to August 1, 2024

CERTIFICATIONS	
HDCP-compliant	The INOGENI device does not decrypt BD/DVD movies, satellite/cable receivers or other encrypted sources.
Certifications	FCC, CE, RoHS, IEC62368, SoV, RCM, CB, KC, MSIP
TAA-compliant	Yes

For technical support, contact us at support@inogeni.com

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