INOGENI

4KXUSB3

4K HDMI TO USB 3.0 (+ 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
- Cost-effective professional camera converter solution that is reliable, simple to install, and quick to connect
- Compact and robust technology
- Designed and manufactured in Canada
- Zoomrooms and ClickShare compatible
- TAA-compliant

WHAT IS IN THE BOX

- 1x 3 ft. USB 3.0 cable (Type-A to Type-B)

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

HDMI

4K HDMI

VISCA RS-232 control

LOOP OUT

IN

RX
GND
TX

VISCA

4KXUSB3

USB 3.0/2.0

AUDIO IN OUT

INOGENI

USB 3.0/2.0

Audio I/O

DEVICE INTERFACES

4K HDMI
loop output

4K HDMI
input

VISCA
RS-232
control

Audio
output

Audio
input

USB
3.0/2.0
to host

TECHNICAL SPECIFICATIONS

VIDEO INPUT	
Connector & video resolutions	1x HDMI 1.4a 4K UHD (3840/4096x2160), 1440p, 1080p, 720p, 1080i, 480p, 576p, 1280x1024, 1280x960, 1280x800, 1024x768, 800x600, 640x480
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 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

PHYSICAL DETAILS

Dimensions (W x L x H)	9.9 cm x 7.4 cm x 1.9 cm 3.9" x 2.9" x 0.75"
Power supply	Powered by USB (5V, 900mA)
Weight	140 g (0,30 lb)
Package content	1x 3 ft USB 3.0 cable (Type-A to Type-B) 1x RS-232 terminal block adapter
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

INFORMATIONS

UPC code	40232378935
Origin	Canada
Warranty	2 years

CONTROL

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

COMPATIBILITY

Operating system	NO driver installation necessary! Windows 7 and above (32/64-bit) macOS 10.10 and above Linux (kernel v2638)
Minimum host requirements	USB 2.0 port – We recommend USB3.0 for uncompressed video 4GB RAM Intel Core i5 or equivalent Graphic card with dedicated memory
Motherboard	Compatible with all motherboards. Intel, Renesas, ASMedia, and Fresco Logic
Supported cameras	Cameras and camcorders with an HDMI output
Software compatibility	UVC-compliant Runs with all software compatible to DirectShow, AVFoundation and V4L2 Compatible to: Microsoft Teams, Zoom, Webex, Google Meet, etc.

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, BSMI RoHS, BSMI, CB, KC, MSIP
TAA-compliant	Yes

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