SDI2USB3

3G-SDI TO USB 3.0 VIDEO CONVERTER (+ LOOP)

DEVICE CONNECTORS

OVERVIEW

INOGENI's SDI2USB3 video converter enables 3GSDI cameras to connect with computers, laptops or CODECs—without the glitches or complicated setups.

- 3GSDI professional video capture to USB 3.0
- Highly stable signal
- Active loop output connector
- 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 and Zoom Certified
- Certified Microsoft Teams Rooms:
  - Crestron's Automate™ VX is certified for Microsoft Teams Rooms with Crestron cameras and INOGENI's SDI2USB3.
- Cost-effective professional camera converter solutionthat is reliable as well as simple to install and connect (no driver required)
- Designed and manufactured in Canada
- TAA-compliant

WHAT'S IN THE BOX

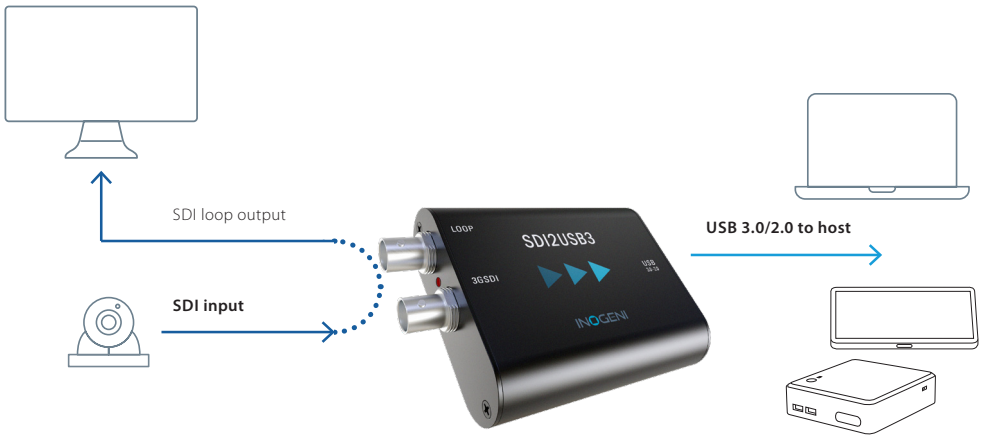
- 1 x 1 m/3 ft. USB 3.0 cable (Type-A to Type-B)

HOW DOES IT WORK?

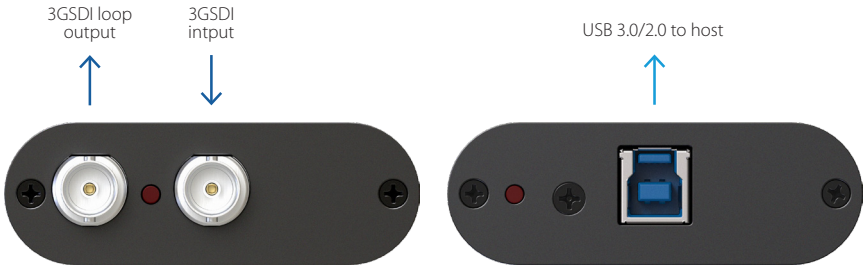
The SDI2USB3 professional video converter features a 3GSDI input with active loop output and supports SD and HDTV video formats. Compact in size and powered directly from a USB 3.0 port, the converter is a practical and easy-to-use USB 3.0 capture solution.

UVC-compliant, it will work with all DirectShow compatible software. The SDI2USB3 video converter supports 1080p resolution up to 60 fps.

FEATURED CONNECTORS



DEVICE INTERFACES



TECHNICAL SPECIFICATIONS

VIDEO INPUT	
Connector & video resolutions	1x BNC (3GSDI input) 1x BNC (3GSDI active loop out) 3G: 1080p60/59.94/50 (Level A, B-Dual Link) HD: 1080i60/59.94/50, 1080p30/29.97/25/24/23.98 and 720p60/59.94/50/30/29.97/25/24/23.98 SD: NTSC/PAL
Jitter (alignment)	HD/SD: <0.2 UI 3 Gb/s: <0.4 UI
Cable length	150 m (492 ft.) at 1.485 Gb/s 120 m (393 ft.) at 2.970 Gb/s
Frame rates	60, 59.94, 50, 30, 29.97, 25, 24, 23.98 Hz
Color space	YCbCr, 4:2:2
Sampling rate	148.5/148.35 MHz
Emdedded audio	Ch 1&2 48kHz LPCM

VIDEO OUTPUT	
Connector & video resolutions	1x BNC (3GSDI active loop out)
Color space	YCbCr 4:2:2
USB - Connector & video resolutions	1x USB 3.0 Type-B
USB - CODECs	YUY2 4:2:2 8-bit for USB 3.0 MJPEG for USB 2.0*
Notes for MJPEG for USB 2.0	* Devices having serial numbers >= SD2036XXX will support MJPEG over USB 2.0. Otherwise, it will be uncompressed video.
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

TECHNICAL SPECIFICATIONS - CONT.

COMPATIBILITY	
Barco ClickShare Conference compatibility	Compatible with Barco ClickShare Conference (CX-20, CX-30 & CX-50)
Zoom Rooms compatibility	Compatible with Zoom Rooms and Zoom Certified
Microsoft Teams compatibility	Certified Microsoft Teams Rooms: Crestron's Automate™ VX is certified for Microsoft Teams Rooms with Crestron cameras and INOGENI's SDI2USB3.
Logitech cameras and UC 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 a SDI output
Software compatibility	UVC-compliant, it runs with all software compatible with DirectShow, AVFoundation and V4L2. Compatible with: Teams, Zoom, Webex, Google Meet, etc.

AUDIO	
Analog audio I/O	2-channel LPCM audio from SDI
Audio input connector	Ch 1&2 48kHz LPCM from SDI

PHYSICAL DETAILS	
Dimensions (W x L x H)	7.0 cm x 8.3 cm x 2.3 cm 2.76" x 3.27"x 0.90"
Power supply	Powered by USB (5V / 580mA)
Weight	130 g (0.29 lb)
Package content	1x 1 m/3 ft. USB 3.0 cable (Type-A to Type-B)
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	040232250538
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	
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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