

INOGENI CONVERTERS



OVERVIEW

The **INOGENI 3GSDI to USB 3.0 Converter** is the most easy and reliable tool to capture uncompressed SDI video with embedded audio for your PC for recording, editing, videoconferencing and streaming applications. No driver installation is necessary and it will work on all motherboards and USB 3.0 chipsets. It features a 3GSDI input with active loop output and supports SD and HDTV video formats, up to 1080p60. 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. It is compatible with Windows, Mac OSX, Linux, and Android operating systems, and is UVC-compliant, so it will work with all DirectShow compatible software

The converter supports 1080p resolutions up to 60 fps. All SD and HD resolution signals are converted to 4:2:2 8-bit color space over USB 3.0. The embedded audio in your SDI signal is extracted and output as two-channel LPCM. A USB 3.0 cable comes included.

- 3GSDI capture to USB 3.0
- Supports 1080p, 1080i, 720p, 480p, 576p, NTSC and PAL at up to 60 fps
- Embedded audio extraction
- Digital Fluid technology - Internal frame buffers maximize frame rate with any PC
- Hardware-based color space and sampling conversion
- Automatic scaling and frame rate conversion
- Customizable video processing functions
- Supports multiple devices on the same PC

- Powered from USB 3.0 port
- Compatible with Windows, Max OSX, Linux, and Android

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SDI2USB3

| Input | | Output | | Compatibility | |
|--------------------------|----------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Connector | 1 x BNC(3GSDI input), 1 x BNC (3GSDI active loop out) | Connector | 1 x USB 3.0 | Operating System | NO driver installation necessary. Windows 7/8/8.1 (32/64-bit) OSX (10.10 and above) Linux (kernel v2.6.38 and above) Android |
| Video Resolutions | 1080p59.94/60/50 (SMPTE 425M Level A/B), 1080i(SMPTE 274M), 720p(SMPTE 296M), SD(SMPTE 259C) | Color Space | YCbCr (YUY2) 4:2:2 8-bit | Host Requirements | USB 3.0 port |
| Jitter(alignment) | HD/SD: <0.2 UI 3 Gb/s: <0.4 UI | Video Scaler | Automatic hardware based | Motherboard | Compatible with all motherboards Intel, Renesas, ASMedia, and Fresco Logic |
| Cable length | 150m (492 ft.) at 1.485 Gb/s 120m (393 ft.) at 2.970 Gb/s | Color Space Conversion | Automatic hardware based | Cameras Supported | Cameras and camcorders with an HDMI output |
| Frame Rates | 60, 50, 30, 29.97, 25, 24, 23.98 Hz | Sampling Conversion | Automatic hardware based | Software Compatibility | UVC-compliant Runs with all software compatible to DirectShow, V4L2, QuickTime and AVFoundation.. |
| Color Space | 4:2:2 | Frame Rate Conversion | Automatic hardware based | | |
| Sampling Rate | 148.5/148.35 MHz | Audio | 2-channel LPCM audio 48 kHz from SDI | | |
| Embedded Audio | Ch 1&2 48kHz LPCM | | | | |

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|--------------------------------|---------------------------------------|------------------------------------------------|
| P/N SDI2USB3 | | |
| Dimensions & Weight | SDI = 3.2" x 2.9" x 0.75" 139g. | Conformity: DVIUSB: FCC, CE, RoHS, ISO 9001 |
| USB 3Power | 5V, 530 mA | |
| UPC Code | 040232250538 | |
| Origin | Canada | |
| Harmonized Code | 8522.90.00 | |