INOGENI SHARE 1

Dual Video to USB 3.0 Converter
User Guide

Thank you!

You have just acquired the finest and easiest to use tool for simultaneous capture of two streams of uncompressed video with audio for your computer.

Easy, No Drivers, No Setup !
Versatile !
Compatible with all Apps !

SHARE2 CONVERTER
P/N SHARE1

PRODUCT HIGHLIGHTS

- EASY ! No drivers required.
- Dual Uncompressed 1080p Video & Audio Capture
- Ideal for Video streaming and Videoconferencing
- Compatible to all motherboards and chipsets
- Up to 1080p at 60 fps
- Powered via external power supply.
- Scaler and Colorspace Conversion
- Supports Windows and Linux.
- DirectShow and V4L2 Compatible
- Professional grade full-metal enclosure

OVERVIEW

The **INOGENI SHARE1 Converter** is the most easy and reliable tool for simultaneous capture of two streams of uncompressed video with audio from your HDMI/DVI/VGA or CVBS sources for your PC for recording, videoconferencing, lecture capture and streaming applications. No driver installation is necessary and it will work on all motherboards and USB 3.0 chipsets. It features an HDMI, DVI and a NTSC/PAL input, a line level stereo analog input, a line level stereo analog output, an internal USB 3.0 hub with 2x USB 3.0 ports for expansion purposes and USB 3.0 connector for the host. It supports SD and HDTV video formats, up to 1080p60, and most computer graphic formats. Compact in size and rugged, the converter is a practical and an easy-to-use USB 3.0 capture solution. It is compatible with Windows and Linux operating systems, and is UVC-compliant, so it will work with all DirectShow and V4L2 compatible software.
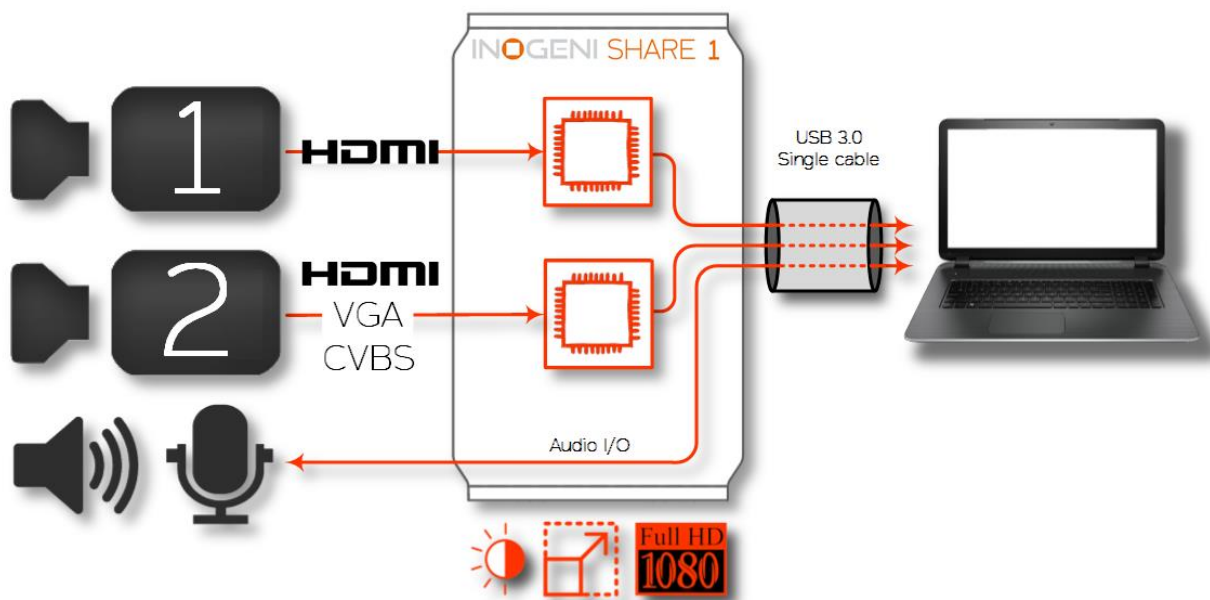
The converter supports 1080p resolutions up to 60 fps. All SD and HD resolution signals are converted to 4:2:2 8-bit color space over USB 3.0. The line level stereo analog audio input and output are two-channel LPCM. SHARE1 comes with a USB 3.0 cable, a DVI to VGA and DVI to HDMI adapters.

- Line level stereo audio support
- 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
- Image controls: Brightness, contrast, saturation and hue settings
- Supports multiple devices on the same PC.
- Compatible with Windows and Linux.

DEVICE CONNECTORS

CONNECTION DIAGRAM

SPECIFICATIONS

Video Input 1	
Connector	1 x HDMI
Video Resolutions	1080p, 720p, 1080i, 480p, 576p, 1920x1200, 1280x1024, 1280x960, 1024x768, 800x600, 640x480

Video Input 2	
Connector	1 x DVI-I – Digital & Analog
Video Resolutions	DVI: 1080p, 720p, 1080i, 480p, 576p, 1920x1200, 1280x1024, 1280x960, 1024x768, 800x600, 640x480 VGA: 1080p, 720p, 480p, 576p, 1920x1200, 1680x1050, 1400x1050, 1600x1200, 1280x1024, 1360x768, 1280x768, 1280x800, 1024x768, 800x600, 640x480
Connector	1 x CVBS
Video Resolutions	480i, 576i
Frame Rates	Up to 60 Hz, all formats
Color Space	RGB, YCbCr 4:4:4 and 4:2:2
Sampling Rate	165 MHz
Analog input	Analog stereo, line level, 3.5mm jack.
Analog output	Analog stereo, line level, 3.5mm jack.
HDCP Copy protection	The device will not decrypt BD/DVD movies, satellite/cable receivers or other encrypted sources.
Camera Control	RS-232 port on RJ-45 connector for RS-232 or VISCA control. Requires installation of COM port driver.

Output	
Connector	1 x USB 3.0 to host
Color Space	YCbCr (YUY2) 4:2:2 8-bit
Video Scaler	Automatic hardware based
Color Space Conversion	Automatic hardware based
Sampling Conversion	Automatic hardware based
Frame Rate Conversion	Automatic hardware based
USB expansion	2 x USB 3.0 ports for expansion purposes. The devices connected will appear to the host.
Maximum USB bandwidth	Because of USB bandwidth limitation, you cannot stream simultaneously two 1080p60 videos over USB. However, for example, these combinations will work: • Input 1 at 1080p50 and Input 2 at 1080p30. • Both Inputs at HD resolutions, such as 1080i60, 1080p30 or 720p60. • Input 1 at 1080p60 and Input 2 at 1080p25. • And all other combinations at lower resolution or frame rate. • The internal scaler can be used to reduce the resolution and frame rate of the input if necessary.

Audio	
Audio input	2-channel LPCM 48kHz audio from Line input or embedded in HDMI
Audio output	2-channel LPCM 48kHz audio Line level

Compatibility	
Operating System	NO driver installation necessary. Windows 7 and above (32/64-bit) Linux (kernel v2.6.38 and above) Android *OSX 10.10 – There will be only one video interface available on OSX*
Host Requirements	USB 3.0 port Minimum 4GB RAM Intel Core i5 Graphic card with its own memory for on-screen rendering applications.
Motherboard	Compatible with all motherboards Intel, Renesas, ASMedia, and Fresco Logic
Cameras Supported	Cameras and camcorders with an HDMI/DVI, VGA or CVBS output
Software Compatibility	UVC-compliant Runs with all software compatible to DirectShow, V4L2, QuickTime and AVFoundation.

Adapters included	DVI to VGA and DVI to HDMI adapters

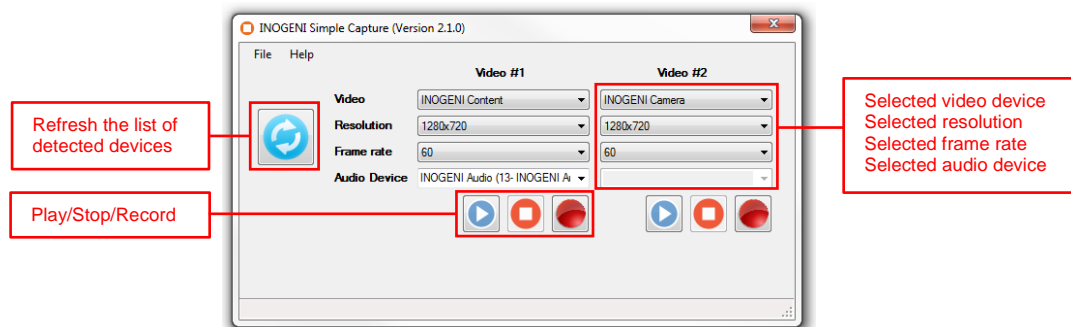|	
Dimensions [W x L x H, cm]	18.5 x 11 x 3
Weight [g]	466
Power	12V, 500mA (adapter included)
UPC Code	040232355523
Origin	Canada
Harmonized Code	8517.62.000.900

INOGENI SOFTWARE SUITE

Eager to try it now? Simple as 1-2-3!

> **1- Connect the USB 3.0 cable to your computer**
>
> **2- Connect any type of video source**
>
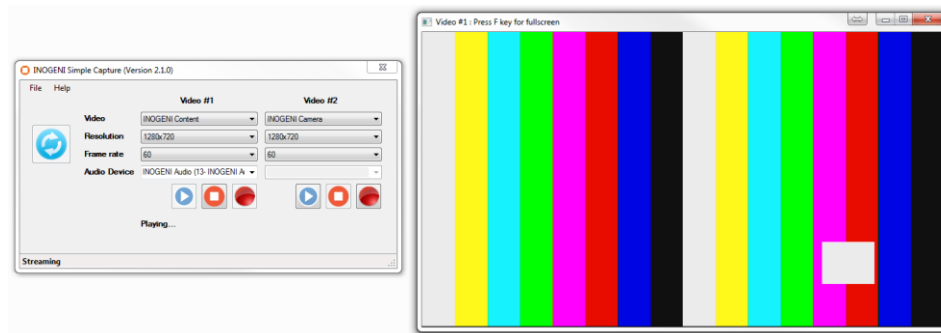> **3- Run your App or Download INOGENI Software Suite**

You can use our **INOGENI Software Suite** in order to preview and record your video sources.

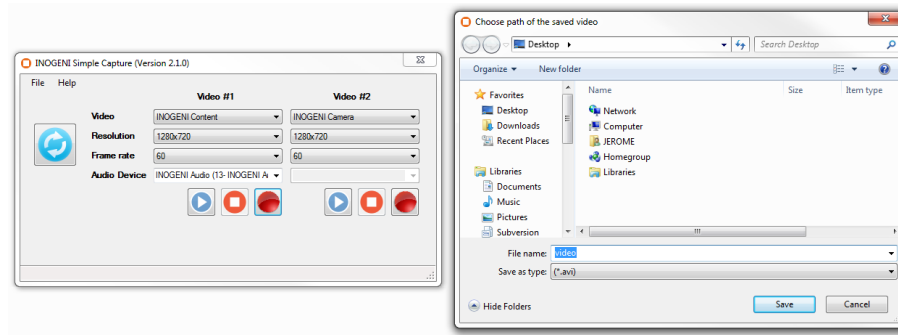1. You can open the **INOGENI Simple Capture** application.

> You will then have to use which video device, the resolution and the frame rate to use for the preview/capture. Optional audio source can be selected.

2. To preview, you can click on the **Play** button and a window will appear with the video content.
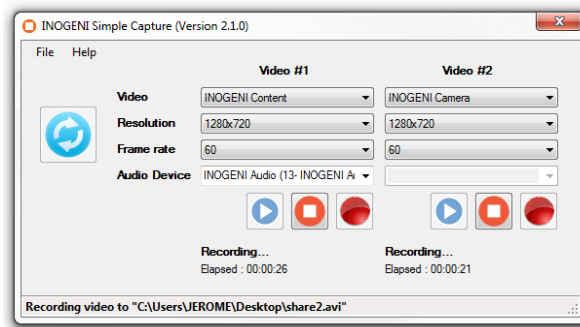

> You can click the **Stop** button to quit the preview mode or close the preview window.

3. If you want to capture to a file, you can click on the **Record** button and the application will ask you where to save the file to.

4. The application will then record your video sources.

The length of the recording will also be available in the application.

You can also use our INOGENI Simple Viewer which only offers a single preview of a video and audio sources.

Or you can use your favorite application with the INOGENI.

SUPPORT

Engineered by video professionals, for video professionals, it is your most compatible USB 3.0 device. INOGENI expertise at your fingertips:

- **Expert Technical Support team** at support@inogeni.com for immediate help or if you have any technical question about our products.

- **INOGENI Software Suite** to start capturing quickly with your INOGENI device. Please visit www.inogeni.com/support for more details.

- Extensive **Knowledge Base** to learn from other customers experiences.