

Quick Port™ VGA-CVBS/USB 3

Real time VGA or CVBS to USB converter for importing SD and HD content from analog cameras and other CVBS or VGA video sources to USB. Plug n Play -- no driver installation required. Works like a webcam. Supports 1080p resolutions up to 60 fps. Powered via the USB 3.0 port. Ships with a USB 3.0 cable.



Features

- VGA/CVBS capture to USB 3.0
- Supports 1080p, 720p, 480p, 576p, 1600x1200, 1920x1200, 1280x1024, 1280x960, 1024x768, 800x600, 640x480, and more at up to 60 fps
- Supports NTSC and PAL
- 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
- Powered from USB 3.0 port
- Compatible with Windows®, OS X®, Linux®, and Android™
- Compatible with UVC, DirectShow, VLC®, V4L2, QuickTime®, LabVIEW®, & AVFoundation
- Field upgradeable firmware

Applications

- Streaming video to web sites like Ustream®, YouTube®, Facebook®, Livestream®, vMix®, etc.
- Video conferencing from a camera to a laptop
- Recording video for archives or later playback

Overview

The Quick Port VGA-CVBS to USB 3.0 Converter is a very easy to use and reliable tool to capture uncompressed video with audio from your VGA or CVBS (composite) output 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 VGA HD15 input, a NTSC/PAL input, a line level stereo analog input and USB 3.0 output, and supports SD and HDTV video formats, up to 1080p60, and most computer graphic 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. It is compatible with Windows®, Mac OS X®, 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 line level stereo analog audio input is output as two-channel LPCM. The converter ships with a USB 3.0 cable.



Computer Modules, Inc.

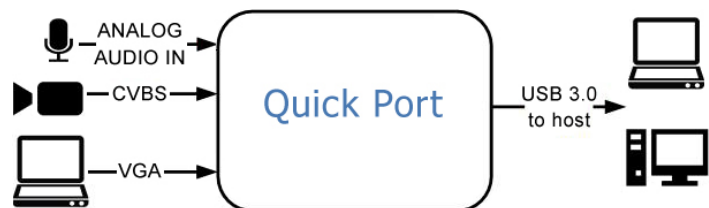
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Application Example



Specifications

Input

Connector:	1 x HD15 (VGA) 1 x RCA (NTSC/PAL) 1 x 3.5mm jack (line stereo audio)
Video Resolutions:	1080p, 720p, 480p, 576p, 1600x1200, 1920x1200, 1280x1024, 1280x960, 1024x768, 800x600, 640x480, NTSC, PAL, and more
Frame Rates:	Up to 60 Hz, all formats
Color Space:	RGB
Sampling Rate:	165 MHz
Audio:	Analog stereo, line level
HDCP Copy Protection:	This device will not decrypt BD/DVD movies, satellite/cable receivers or other encrypted sources

Output

Connector:	USB 3.0
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
Audio:	2-channel LPCM audio 48 kHz

Ordering Information

Quick Port VGA-CVBS /USB 3

Specifications – Continued

Compatibility

Operating Systems:	NO driver installation necessary Windows® 7 and above (32/64-bit) OSX 10.10 and above Linux® (kernel v2.6.38) and above Android™ OSX 10.10 and above
Host Requirements:	USB 3.0 port
Motherboard:	Compatible with all motherboards: Intel®, Renesas®, ASMedia™, and Fresco Logic™
Cameras Supported:	Cameras and camcorders with an analog output, like VGA or Composite output
Software Compatibility:	UVC-compliant Runs with all software compatible to DirectShow, V4L2, QuickTime, and AVFoundation

Physical & Power

Size (W x D x H):	3.2 x 2.9 x 0.75 inches (81 x 74 x 19 mm)
Weight:	4.24 ounces. (126 grams)
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
USB 3 Power:	5V, 525 mA
Conformities:	UL, FCC, CE, RoHS