

Quick Port™ 4K HDMI/USB 3

Real time HDMI to USB converter for importing unrestricted (No HDCP) HD content from HDMI cameras and other video sources to USB. Plug n Play -- no driver installation required. Works like a webcam. Supports 4K resolutions up to 30 fps, and 1080p resolutions up to 60 fps. Powered via the USB 3.0 port. Ships with a USB 3.0 cable.

Features

- HDMI capture to USB 3.0
- Supports 4K, 1080p, 1080i, 720p, 480p, and 576p video formats
- Supports 1920x1200, 1280x1024, 1280x960, 1024x768, 800x600, 640x480 graphic formats
- Up to Ultra HD 4K (3840/4096x2160) at 30 fps and 1080p at 60 fps
- Outputs 4:2:0 pixel format to reduce USB 3.0 bandwidth
- Supports embedded HDMI audio
- 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 (UHD upscaling not supported)
- Customizable video processing functions
- Image controls: Brightness, contrast, saturation and hue settings. These controls do not work when input is 4K.
- Supports multiple devices on the same PC
- Powered from USB 3.0 port
- Tested with the following 4K cameras: Sony A7S, Sony A7R, Panasonic GH4
- 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 4K HDMI to USB 3.0 Converter is a very easy to use and reliable tool to capture uncompressed video with audio from your HDMI 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 single HDMI input and USB 3.0 output, and supports SD and HDTV video formats, up to Ultra HD 4K (4096x2160), 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 Ultra HD resolutions up to 30 fps, and 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, while all UHD resolution signals are converted to 4:2:0. The embedded audio in your HDMI signal is extracted and output as two-channel LPCM. The converter ships with a USB 3.0 cable.



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Application Example



Specifications

Input

| | |
|-----------------------|--|
| Connector: | 1 x HDMI 1.4a |
| Video Resolutions: | 4K UHD (3840/4096x2160), 1440p, 1080p, 720p, 1080i, 480p, 576p, 1920x1200, 1280x1024, 1280x960, 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 48 kHz LPCM |
| 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: | YUY2 4:2:2 8-bit, NV12 4:2:0 12-bit, YV12 4:2:0 12-bit, I420 4:2:0 12-bit 4K formats can only be transferred into the 4:2:0 pixel formats |
| 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 from HDMI |

Ordering Information

Quick Port 4K HDMI/USB 3

Specifications – Continued

Compatibility

| | |
|-------------------------|--|
| Operating Systems: | NO driver installation necessary Windows® 7 and above (32/64-bit) Linux® (kernel v2.6.38) and above Android™ OSX 10.10 and above* *4K resolutions on the USB side are not supported under OSX |
| Host Requirements: | USB 3.0 port |
| Motherboard: | Compatible with all motherboards: Intel®, Renesas®, ASMedia™, and Fresco Logic™ |
| Cameras Supported: | Cameras and camcorders with an HDMI 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 (120 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 |