DVI2USB Duo

Epiphan Systems' DVI2USB Duo is the world's most powerful DVI frame grabber. The DVI2USB Duo is capable of the lossless capture of single link and dual link DVI signals at resolutions of up to 2048 x 2048 (2560 x 1600 in widescreen mode). What's more, using a state-of-the-art on board lossless compression algorithm, the DVI2USB Duo is able to capture and broadcast computer generated images at a rate of 30 frames per second at any given resolution.
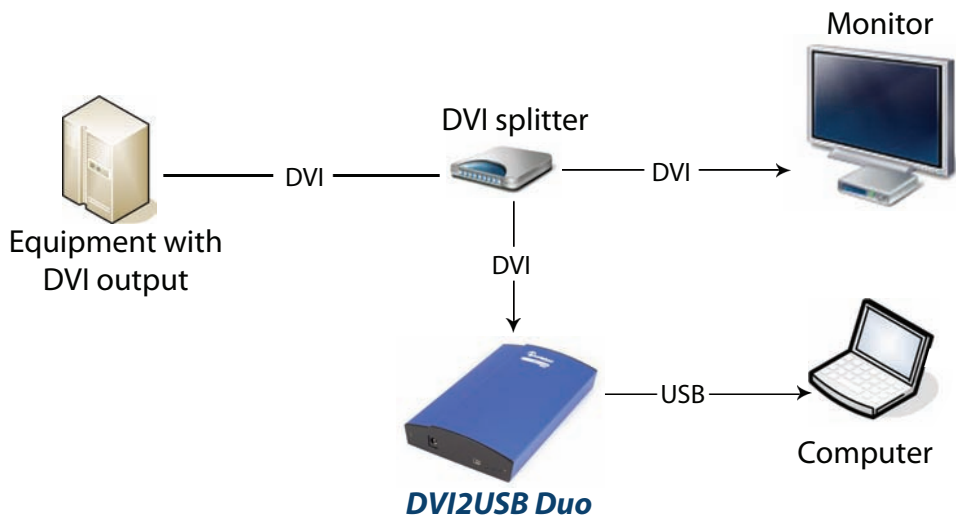

Being a frame grabber specifically made for those that need to capture the high-quality and high-resolution of a dual-link DVI signal, DVI2USB Duo acquires frames at a transfer rate of up to 330 megapixels per second, compressing the stream on-the-fly and transfer compressed stream onto a computer using USB interface. It then has the ability to broadcast these images over public, private or broadband wireless networks, enabling remote diagnosis of medical, military, and other situations in which a precise image is required for accurate decision-making.

As a compact external device, DVI2USB Duo is easy to use and to transport. About the size of a small book, it is simple to set-up for any individual, even one with basic knowledge of computers.

DVI2USB Duo Connection Diagram

Technical Specifications:

Interface	USB 2.0
Dimensions	6.7" x 4.3" x 1.2" 170 x 109 x 30 mm
Connectors	DVI dual-link, USB 2.0
Input	DVI (single-link and dual-link)
Video Sampling	24 bits per pixel, 8:8:8 format 16 bits per pixel, 5:6:5 format 8 bits per pixel, 3:3:2, 3:2:3, 2:3:3 or 256-grey scale format 4 bits per pixel, 16-grey scale format
Integrated Board Features	On-board loss and loss-less image compression (proprietary) On-board memory (no-interlacing artifact)
Mode support	720x400 at 70, 85Hz 640x480 at 60, 70, 72, 75, 85Hz 800x600 at 56, 60, 70, 72, 75, 85Hz 1024x768 at 60, 70, 72, 75, 85Hz 1152x864 at 60, 70, 75, 85Hz 1152x900 at 66, 76Hz 1280x960 at 60, 85Hz 1280x1024 at 60, 70, 75, 85Hz 1600x1200 at 60, 65, 70, 75, 85Hz 1920x1200 at 60, 65, 70, 75, 85Hz 2048x2048 at 60, 65, 70, 75, 85Hz 2560x1600 at 59, 60
Frame Rate	For loss-less frame acquisition **Resolution** — **Frame rate** [1] 640 x 480 — 30.0 - 60 fps 800 x 600 — 22.6 - 60 fps 1024 x 768 — 15.0 - 60 fps 1280 x 1024 — 10.0 - 52 fps 1600 x 1200 — 8.0 - 34 fps 2048 x 1536 — 5.1 - 17 fps 2560 x 1600 — 5.0 - 14 fps 2048 x 2048 — 4.8 - 14 fps
LEDs	One LED to indicate the status of the DVI2USB Duo (power, readiness, and operation in progress)
OS Support	Linux(x86, amd64), Windows 2000, Windows XP, Windows Vista (x86, amd64), Mac OS X