DVI2USB Solo

epiphan
SYSTEMS INC.

The DVI2USB Solo is Epiphan Systems' most compact DVI capture device and is capable of capturing single link DVI signals at resolutions of up to 1920x1200. With the ability to capture, archive, and broadcast images and video from any single link DVI source without any loss in picture quality, the DVI2USB Solo is the ultimate solution for easy and effective DVI capture.
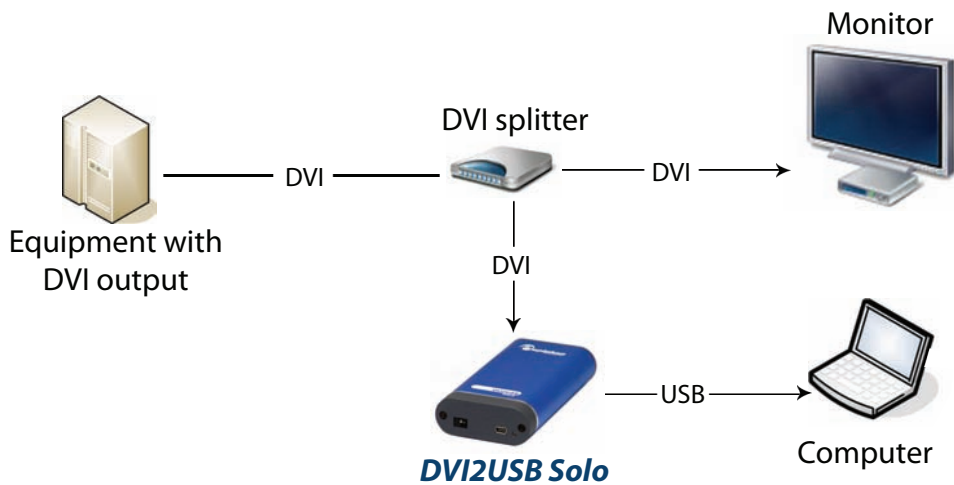

Being a single-purpose frame grabber, the DVI2USB Solo is fine tuned for the capture of digital single link DVI signals only. This means that the DVI2USB Solo can grab images from any DVI source with a resolution of up to 1920x1200. What's more, the performance-oriented DVI2USB Solo is able to achieve capture rates at up to 30 frames per second without any loss in picture quality.

Being a compact and portable device, the DVI2USB Solo is easy to transport, store, and implement into existing systems. Furthermore, the DVI2USB Solo's internals are enclosed in rugged aluminum casing, making this device perfect for industrial and field applications.

DVI2USB Solo Connection Diagram

Monitor

DVI splitter

DVI — DVI →

Equipment with
DVI output

DVI

DVI2USB Solo

— USB →

Computer

Features:

- 1920 x 1200 maximum capture resolution.
- Capture rates of up to 60fps.
- Compatible with digital single link DVI signals only.
- 100% lossless on board compression.
- External power source required. Universal adaptor included.
- Full hardware solution – no software required on source machine.

Technical Specifications:

Interface	USB 2.0
Dimensions	116 mm x 60 mm x 23 mm, 4.57" x 2.36" x 0.91"
Connectors	DVI single link, USB 2.0
Input	DVI
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
Frame rate	For loss-less frame acquisition **Resolution** — **Frame rate** 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 1920 x 1200 — 5.2 - 32 fps
LEDs	One LED that indicates the status of the DVI2USB Solo (power, readiness, and operation in progress)
OS Support	Linux(x86, amd64), Windows 2000, Windows XP, Windows Vista (x86, amd64), Mac OS X 10.3 and up

epiphan
SYSTEMS INC.