DVI2USB

The DVI2USB is Epiphan Systems' only dual-mode frame grabber that is capable of capturing analog VGA as well as digital DVI signals from devices such as a Windows PC, a Macintosh OSX, a Unix machine, an embedded system, a medical device, scientific or lab equipment, and more. About the size of a small paperback book, the DVI2USB is easy to use and to transport.
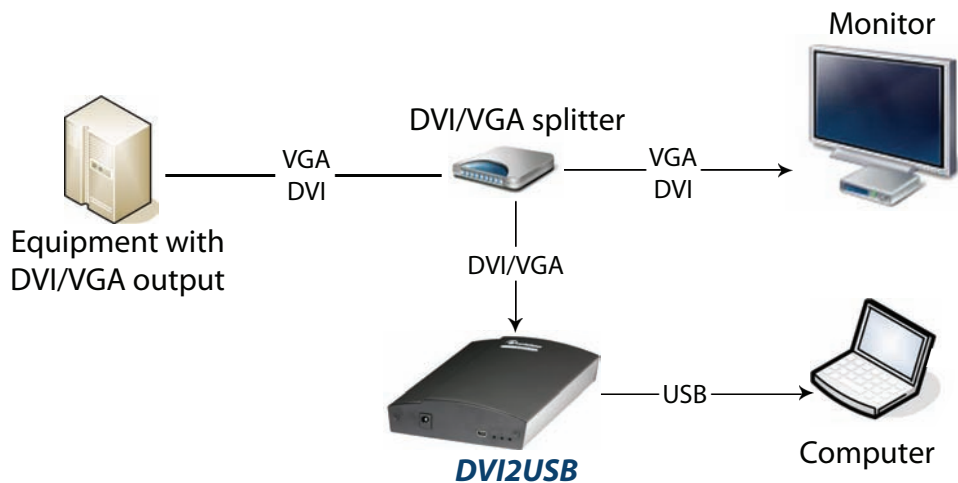
Epiphan Systems' DVI2USB provides a simple, lightweight and rapid means of conveying mission-critical VGA and DVI images without degradation due to traditional methods of compression. DVI2USB also enables users to:

- Control the trade-off between image quality and image refresh rate, making it a flexible solution for a variety of applications
- Print or record the captured image with the touch of a button using Epiphan's VGA Printer or VGA Recorder products

Just connect the DVI2USB to the source single link DVI or VGA signal, power source, and the target computer via USB and you are ready to capture, archive, or broadcast images and video from any DVI or VGA source. The source device does not need to be modified in any way, which makes the DVI2USB simple to implement in existing systems and a completely secure solution for VGA and DVI capture.

DVI2USB Connection Diagram

Interface	USB 2.0, USB 1.1
Dimensions	6.7" x 4.3" x 1.2" 170 x 109 x 30 mm
Connectors	One DVI cable (male to male) One VGA cable (male to male) One DVI-to-VGA converter (male to female) One USB mini type B
Input	Dual-mode VGA and 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) VESA-compatible Sync-on-Green
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
Refresh rate*	For loss-less frame acquisition

Resolution	DVI2USB fps
640 x 480	29.0
800 x 600	21
1024 x 768	15
1280 x 1024	10
1600 x 1200	6.7

Video Format Options	RGB plus HSync and VSync (5 wire)
LEDs	Three LEDs to indicate the status of the VGA2USB (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

* User-controlled trade-off between the refresh rate and quality