



DVI2PCIe

DVI2PCIe™ is Epiphan's internal PCIe capture card, capable of capturing VGA, dual link DVI, and HDMI™ video sources. DVI2PCIe provides uncompressed video to third party recording, streaming, conferencing and video analysis software applications running on Windows or Linux platforms.

Content independent performance:

- 60 frames per second at Full HD resolution in 24-bit color (4:4:4)
- capture rates up to 85 frames per second, custom VGA modes supported

DVI2PCIe incorporates the acclaimed capture technologies used in Epiphan's external frame grabbers. With a 128 MB of on-board buffer RAM, not a single frame is skipped.

This low profile capture card fits in a x4, x8, or x16 PCIe version 1.x slot and comes with brackets for both 2U and full height cases.

An optional A/V kit adds an S-Video/Composite video port and balanced (TRS) or unbalanced (3.5 mm) audio inputs. See the Epiphan website for configuration details.

TECHNICAL SPECIFICATIONS

INTERFACE	PCI Express 1.1; x4
DIMENSIONS	Low profile short card. 5.5"×2.53", 140×64 mm
CONNECTORS	One DVI-I type connector (optional A/V kit adds S-Video, TRS audio, 3.5 mm audio)
VGA SIGNALING	R,G,B plus separate HSync and VSync signals; R,G,B plus CSync signal; R,G,B with Sync-On-Green synchronization
VGA MODES	HSync rate 15 kHz - 150 kHz; VGA: 210 MHz, DVI: 165 MHz; RGB 8:8:8, YUV 4:4:4
COLOR RESOLUTION	RGB16 (5:6:5), RGB24 (8:8:8), RGB8 (2:3:3) greyscale-256, YUY2, UYVY, YV12
SUPPORTED VIDEO MODES	VGA/DVI: Up to 2048×2048 HDMI: Up to 1920×1200 custom VGA modes
UPDATE RATE <small>varies depending on resolution and capturing computer</small>	640×480 - 85 fps 800×600 - 85 fps 1024×768 - 85 fps 1280×1024 - 85 fps 1920×1080 - 60 fps 2048×2048 - 20 fps
RAM BUFFER	128 MB
OS SUPPORT <small>32-bit and 64-bit</small>	Windows XP, Windows Vista, Windows 7, Windows 8 Linux

KEY FEATURES

-  Capture 1080p from DVI, VGA and HDMI video sources at 60 fps
-  Maximum resolution 2048×2048
-  Optional A/V kit adds professional TRS audio and 3.5 mm audio ports
-  Supports multiple DVI2PCIe cards in one system
-  Interfaces with multiple third party applications via DirectShow on Windows and V4L (Video4Linux) on Linux
-  Supports third party applications that accept an external video source, such as Adobe Premiere, Windows Media Encoder, and others

