



DVI2PCIe Duo

DVI2PCIe Duo™ is Epiphan's highest performance dual input PCIe capture card, capable of capturing VGA, DVI, HDMI™, 3G-SDI, HD-SDI, and SD-SDI audio/video sources. DVI2PCIe Duo provides uncompressed dual channel 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) if capturing from one source (DVI or SDI)
- 60 frames per second at full HD resolution in 24-bit color (4:4:4) if capturing from both DVI and SDI channels simultaneously

Supports DVI resolutions up to 2048×2048 (2560×1600 in widescreen) and captures digital audio from HDMI and SDI sources.

The low profile card is perfect for 2U cases. A bracket is provided for use in full-height cases.

An optional A/V kit adds support for S-Video and audio from 3.5 mm stereo or balanced ¼" TRS audio inputs. See the Epiphan website for configuration details.

TECHNICAL SPECIFICATIONS

INTERFACE	PCI Express 2.0; x4
DIMENSIONS	Low profile short card. 5.5"×2.53", 140×64 mm
CONNECTORS	One DVI-I type connector One Serial Digital Interface BNC connector (SDI)
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: 2×165 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 SDI: Up to 1920×1080
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
OS SUPPORT <small>32-bit and 64-bit</small>	Windows XP, Windows Vista, Windows 7, Windows 8 Linux

KEY FEATURES

-  Capture from DVI, DVI-DL, VGA, HDMI, RGB, 3G-SDI, HD-SDI, SD-SDI sources
-  Maximum resolution 2048×2048 using DVI-DL (single channel capture mode only)
-  HDMI and SDI audio support, optional A/V kit adds TRS and 3.5 mm audio
-  Supports multiple DVI2PCIe Duo 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