



# 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, Mac OS, 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 2048x2048 (2560x1600 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 1/4" TRS audio inputs. See the Epiphan website for configuration details.

## TECHNICAL SPECIFICATIONS

<b>INTERFACE</b>	PCI Express 2.0; x4
<b>DIMENSIONS</b>	Low profile short card. 5.5"×2.53", 140×64 mm
<b>CONNECTORS</b>	One DVI-I type connector One Serial Digital Interface BNC connector (SDI)
<b>VGA SIGNALING</b>	R,G,B plus separate HSync and VSync signals; R,G,B plus CSync signal; R,G,B with Sync-On-Green synchronization
<b>VGA MODES</b>	HSync rate 15 kHz - 150 kHz; VGA: 210 MHz, DVI: 2×165 MHz; RGB 8:8:8, YUV 4:4:4
<b>COLOR RESOLUTION</b>	RGB16 (5:6:5), RGB24 (8:8:8), RGB8 (2:3:3) greyscale-256, YUY2, UYVY, YV12
<b>SUPPORTED VIDEO MODES</b>	VGA/DVI: Up to 2048×2048 HDMI: Up to 1920×1200 SDI: Up to 1920×1080
<b>UPDATE RATE</b> <small>varies depending on resolution and capturing computer</small>	640×480 - <b>85 fps</b> 800×600 - <b>85 fps</b> 1024×768 - <b>85 fps</b> 1280×1024 - <b>85 fps</b> 1920×1080 - <b>60 fps</b> 2048×2048 - <b>20 fps</b>
<b>OS SUPPORT</b> <small>32-bit and 64-bit</small>	Windows XP, Windows Vista, Windows 7, Windows 8 Mac OS X 10.4 and up (including Power PC) 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, QuickTime on Mac OS X and V4L (Video4Linux) on Linux
-  Supports third party applications that accept an external video source, such as Adobe Premiere, Windows Media Encoder, and others

