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

**UPDATE RATE**

- VGA/DVI: Up to 2048×2048
- HDMI: Up to 1920×1200
- SDI: Up to 1920×1080

- 640×480 - 85 fps
- 800×600 - 85 fps
- 1024×768 - 85 fps
- 1280×1024 - 85 fps
- 1920×1080 - 60 fps
- 2048×2048 - 20 fps

**SUPPORTED VIDEO MODES**

- VGA/DVI: Up to 2048×2048
- HDMI: Up to 1920×1200
- SDI: Up to 1920×1080

**OS SUPPORT**

- Windows 10, Linux
- 32-bit and 64-bit

**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