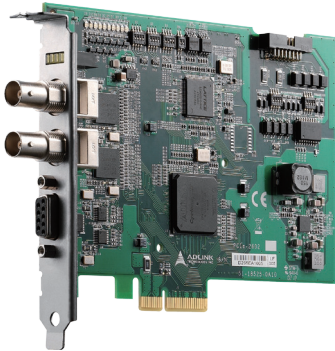


# PCIe-2602

## 2-CH 3G-SDI Video/Audio Capture Card



### Features

- Support for 2-CH 3G-SDI video signal, up to 1920 x 1080P/60fps video stream
- Low latency, uncompressed video streaming
- High accuracy color format support, 12 bit 4:4:4 1080i/60fps or 10 bit 4:2:2 1080P/60fps
- Cabling distances up to 100m (w/ compatible 75Ω coaxial cable)
- Directshow support
- RS-485 and digital I/O provided
- PCI Express x4 compliant signal
- Connection status LED

### Applications

- Medical imaging
- Military imaging
- Video analytics or IVS(Intelligent Video Surveillance)

### Software Support

- **OS Information**
  - Windows® 7/XP
- **Software Compatibility**
  - Microsoft® DirectX
  - Visual C++, C#, VB. Net, C++ Builder

### Ordering Information

- **PCIe-2602**  
2-CH 3G-SDI Video/Audio capture card

### Introduction

The PCIe-2602 3G-SDI video/audio capture card, based on the PCI Express x4 interface, provides unparalleled features, enabling acquisition of 2 channels 3G-SDI for low latency, and uncompressed video data signals up to 1920x1080P/60fps (frames per second), and high accuracy color format support 4:4:4. The PCIe-2602, featuring 3G signal capture ability and support for highly accurate color formatting, is ideal for frame grab function in a wide variety of applications, including medical imaging and intelligent video surveillance or analytics.

Thanks to 3G-SDI signal capability, ADLINK's PCIe-2602 supports high accuracy color format, such as 12 bit 4:4:4 1080i/60fps or 10 bit 4:2:2 1080P/60fps, and when combined with a suitable 75Ω coaxial cable, 3G-SDI signals can be transmitted over 100 m, all with no need for changes to existing cabling, representing significant savings in construction costs.

The included ViewCreator Pro™ utility enables setup, configuration, testing, and system debugging without requiring any software programming. As well, ADLINK's drivers are compatible with Microsoft DirectShow, reducing engineering efforts and accelerating time to market.

### Specifications

■ <b>Form Factor</b>	PCI Express x4	
■ <b>Connectors</b>	BNC x2, D-SUB	
■ <b>Video Input</b>	8/10-bit 4:4:4	720p@24 fps, 720p@25 fps, 720p@30 fps, 720p@50 fps, 720p@60 fps 1080i@50 fps, 1080i@60 fps 1080p@24 fps, 1080p@25 fps, 1080p@30 fps
	12-bit 4:4:4	1080i@50 fps, 1080i@60 fps 1080p@24 fps, 1080p@25 fps, 1080p@30 fps
	8/10-bit 4:2:2	720p@24 fps, 720p@25 fps, 720p@30 fps, 720p@50 fps, 720p@60 fps 1080i@50 fps, 1080i@60 fps, 1080p@24 fps, 1080p@25 fps, 1080p@30 fps, 1080p@50 fps, 1080p@60 fps
	12-bit 4:2:2	1080i@50 fps, 1080i@60 fps, 1080p@24 fps, 1080p@25 fps, 1080p@30 fps
	8-bit 4:2:2	525i@30 fps, 625i@25 fps
■ <b>Audio Input</b>	2 channel embedded	
■ <b>Digital I/O</b>	4-CH digital input; 4-CH digital output	
■ <b>COM Ports</b>	2 RS-485	
■ <b>Storage Environment</b>	Temperature: -20°C to +80°C (-4°F to 176°F) Humidity: 0 to 95% RHNC	
■ <b>Operating Environment</b>	Temperature: 0°C to +60°C (32°F to 140°F) Humidity: 5% to 90% RHNC	
■ <b>Power Requirements</b>	+12 V max @ 1.2 A, +3.3 V max @ 1.5 A	
■ <b>Dimensions</b>	149 x 98.4 mm (5.96" x 3.93") (W x L)	

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