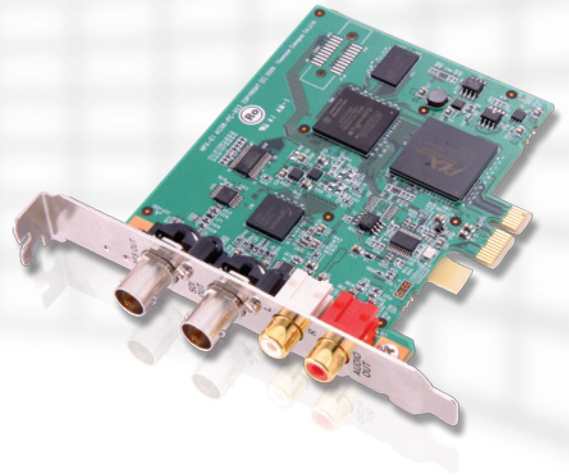


# HDSPARK Pro

HD/SD-SDI OUTPUT FOR EDIUS

For editors needing high-quality audio and video monitoring capability from their EDIUS nonlinear editing system, HDSPARK Pro provides the perfect solution.



Editors of broadcast-quality programs require a means to preview and evaluate their video and audio in the best quality possible. Users in a file-based, networked environment often don't need to ingest baseband video or audio, but still want to preview projects at the same quality level as the final, delivered output. Grass Valley™ HDSPARK™ Pro hardware provides the means to do this.

Based on the PCI Express form factor, HDSPARK Pro comes with a full version of our EDIUS® Pro 6.5 nonlinear editing software—as well as an HD/SD-SDI output board that supports full-resolution, real-time preview monitoring. It also features both AES/EBU digital and unbalanced analog audio outputs (via separate BNC connector and stereo RCA jacks respectively), for high-quality audio monitoring.

HDSPARK Pro is available in two different configurations:

- HDSPARK Pro with EDIUS: This model includes a complete copy of EDIUS Pro 6.5 nonlinear editing software.  
*Note: This configuration requires Windows 7 (32-bit or 64-bit).*
- HDSPARK Pro standalone: This model features only the HDSPARK Pro board without our EDIUS nonlinear editing software. This version is ideal for current users of EDIUS.  
*Note: This hardware-only configuration works with Windows 7 (32-bit or 64-bit), Windows Vista (SP2 or later, 32-bit or 64-bit), and Windows XP (SP3 or later, 32-bit).*

The HDSPARK solution empowers you with a constantly synched, full-resolution preview of effects and content directly from the EDIUS timeline.

The HDSPARK Pro solution can handle any mix of high- and standard-definition (HD and SD) video content; unlimited video, audio, title, and graphics layers; and any combination of real-time effects.

## KEY FEATURES

- HD/SD-SDI output for full-resolution, real-time monitoring with embedded 8-channel digital audio from included EDIUS Pro 6.5 NLE software
- 2-channel AES digital audio output via BNC connector for high-quality audio monitoring
- 2-channel unbalanced audio output via RCA jacks for high-quality audio monitoring
- Video and audio output stays perfectly in sync with editing windows for accurate editing and trimming
- Ships with full version of EDIUS Pro 6.5 (a hardware-only version is also available)

## SPECIFICATIONS

### Bus Interface

PCI Express Rev. 1.0a x1 lane

### Video Formats (Output)

- 1920x1080i50/59.94
- 1920x1080p23.98
- 1280x720p50/59.94
- 1280x480i59.94
- 720x576i50
- 720x480p59.94
- 720x576p50

### Video Output Connector

- HD/SD SDI output (BNC)
- Supports HD SDI (SMPTE 292M) and SD-SDI (SMPTE 259M-C)

### Audio Formats (Output)

- 2-channel AES/EBU audio
- 8-channel SDI embedded audio (SMPTE 299M/272M-A)
- 2-channel analog audio

### Audio Output Connectors

- HD/SD-SDI (BNC)
- Monitor: 1x stereo RCA (unbalanced)

### Power Requirements

+3.3V 1.0A, +12V 0.07A

### Physical Dimensions

102 mm (W) x 89 mm (L) (4.0 x 3.5 in.)

### Regulatory Compliance

CE, FCC Class A, C-Tick, ICES

### Minimum System Requirements

#### CPU

Any Intel Core 2 or Core iX CPU. Intel or AMD single core CPU with a 3 GHz processor speed or faster (multiple CPUs and/or multi-core CPUs are recommended). SSE2 and SSE3 instruction set supported.

#### Memory

1 GB RAM (4 GB or more recommended)

#### Hard Disk

- 6 GB of hard disk space is required for installation (including third-party software)
- Drive with ATA100/7,200 RPM or faster is necessary for video storage:
  - Available HDD disc space should be twice the size of the file to be edited
  - RAID-0 is recommended for HD resolution editing

#### PCI Bus

One free PCI Express x1 bus slot

#### Graphics Card

A graphics card supporting higher resolution than 1024x768 (32-bit), Direct3D 9.0c or later, and PixelShader Model 3.0 or later is required

- For SD editing: 256 MB or larger required, 512 MB or larger recommended
- For HD editing: 512 MB or larger required, 1 GB or larger recommended

#### Sound Card

A sound card with WDM driver support is required

#### DVD-ROM Drive

Required for software installation  
Blu-ray Disc writer, DVD-R/RW or DVD+R/RW drive is required when creating Blu-ray Discs or DVDs

#### USB Port

Free USB port (1.1 or higher) is required for security key

#### Operating System

##### HDSPARK Pro with EDIUS:

Windows 7 (32-bit or 64-bit)

##### HDSPARK Pro Standalone:

- Windows 7 (32-bit or 64-bit)
- Windows Vista (SP2 or later, 32-bit or 64-bit)
- Windows XP (SP3 or later, 32-bit)

## PACKAGE CONTENTS

### HDSPARK Pro with EDIUS

- HDSPARK (HPX-E1) PCI Express x1 bus card
- EDIUS Pro 6.5 software installation disc set (DVD-ROM)
- Hardware setup manual

*Note: This configuration requires Windows 7 (32-bit or 64-bit).*

### HDSPARK Pro Standalone

- HDSPARK (HPX-E1) PCI Express x1 bus card
- Hardware setup manual

*Note: This hardware-only configuration works with Windows 7 (32-bit or 64-bit), Windows Vista (SP2 or later, 32-bit or 64-bit), and Windows XP (SP3 or later, 32-bit).*

## ORDERING INFORMATION

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## MAXIMIZE AND OPTIMIZE YOUR INVESTMENT



With program production and distribution becoming ever more complex and affecting business issues on a daily basis, you need a trusted partner that understands those complexities and how to convert them into opportunities. Grass Valley's team of experienced engineers and system integrators can help you turn your challenges into opportunities in the most efficient and cost-effective way possible, from system design all the way through to commissioning. Grass Valley Professional Services helps you to:

**Define:** We consult with you to help define your business and technology requirements and then design the right solutions to meet them.

**Deploy:** Our professional service organization, backed by proven project management methodologies, can take you from design through deployment, commissioning, and training.

**Support:** We offer a complete portfolio of support services to keep your systems running, and help manage your long-term maintenance needs.

For information about Grass Valley, please visit [www.grassvalley.com](http://www.grassvalley.com).

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