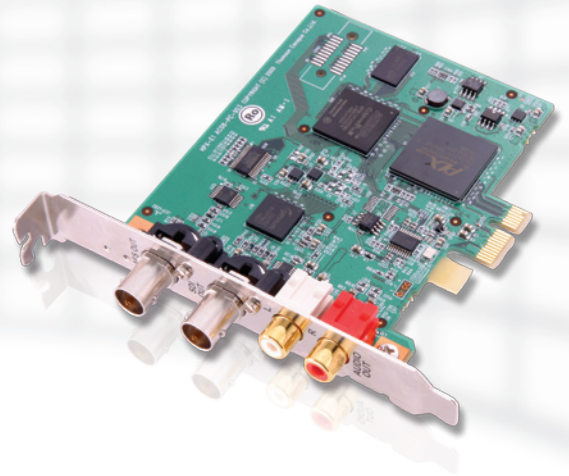


# HDSPARK Pro

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. HDSPARK™ Pro hardware provides the means to do this.

Based on the PCI Express form factor, it comes with a full version of our EDIUS® 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.

## KEY FEATURES

- HD/SD-SDI output for full-resolution, real-time monitoring with embedded 8-channel digital audio from included EDIUS 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
- Compatible with Windows XP and Windows Vista

## SPECIFICATIONS

### Bus Interface

#### PCI Express Rev. 1.0a x1 lane

#### Video Formats (Output):

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

### System Requirements

- Intel or AMD CPU with a 3 GHz processor speed or faster (multiple CPUs and/or multi-core CPUs are recommended). SSE2 and SSE3 instruction set supported
- 1 GB RAM (2 GB or more recommended)
- One free PCI Express x1 bus slot
- 800 MB or more space required for software installation
- Drive with ATA100/7,200 rpm or faster capable of sustaining at least 20 MB/s data transfer:
  - Available hard disk space should be twice the size of the file to be edited
  - A RAID stripe set of two or more hard disk drives is required for multiple HD stream output
- A graphics card with at least 256 MB of graphics memory (512 MB recommended) with support for Direct3D 9.0c or later, and PixelShader Model 3.0 or later is required (PixelShader Model 4.0 or later recommended)\*
- Sound card with WDM driver support required
- DVD-ROM drive is required for software installation. DVD-R/RW or DVD+R/RW drive is required when creating DVD-Video with DVD Creator
- Free USB port (1.1 or higher) is required for security key
- Windows XP Home or Windows XP Professional (SP2 or later, 32-bit)
- Windows Vista (SP1 or later, 32-bit or 64-bit), including the following operating systems:
  - Windows Vista Home Basic
  - Windows Vista Home Premium
  - Windows Vista Business
  - Windows Vista Ultimate

\* Please check <http://desktop.grassvalley.com/> for the latest information on compatible graphics cards for GPU effects. As a general guideline:

- For SD editing: 128 MB or larger required, 256 MB or larger recommended
- For HD editing: 256 MB or larger required, 512 MB or larger recommended

## PACKAGE CONTENTS

### HDSPARK Pro with EDIUS

- HDSPARK (HPX-E1) PCI Express x1 bus card
- EDIUS software installation disc set (DVD-ROM)
- EDIUS bonus disk (DVD-ROM)
- EDIUS USB dongle
- Hardware setup manual

### HDSPARK Pro Standalone

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

## PROFESSIONAL SERVICES

Our professional services offerings ensure optimal system performance and maximize uptime. These services include call centers staffed around the clock; system planning, design, and commissioning; professional training courses; and technical maintenance programs and service agreements.

[www.grassvalley.com/support](http://www.grassvalley.com/support)

