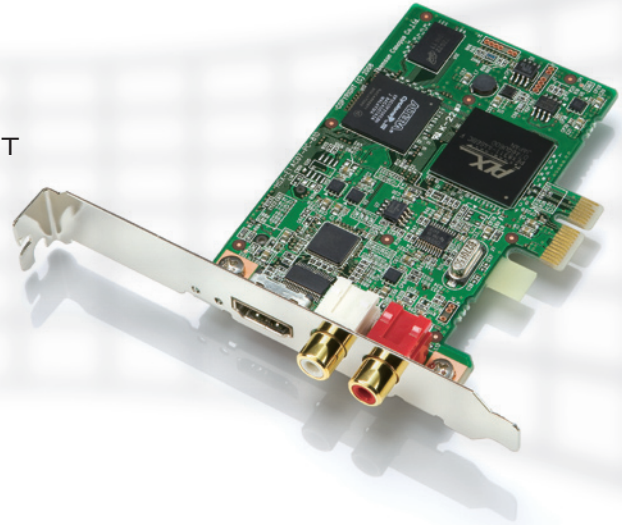


HDSPARK

REAL-TIME EDITING WITH HDMI OUTPUT

HDMI Output for EDIUS.



The HDSPARK™ solution is designed to support the increasing number of video professionals who are using tapeless acquisition and simply need to see their projects output in real time, using affordable HDMI monitors. Based on the PCI Express form factor, the HDSPARK board features an HDMI output for full-resolution, real-time preview monitoring. Embedded HDMI audio and separate stereo RCA jacks provide high-quality audio monitoring. It's ideal for tapeless editing or working in a file-based, networked environment.

HDSPARK is available in three different models:

- HDSPARK with EDIUS:** This model includes a complete copy of EDIUS® nonlinear editing software. Also included are the plug-ins, applications, and sample material (valued at over \$1,000) which come with the EDIUS software.
- HDSPARK with EDIUS upgrade:** This model includes an upgrade copy of EDIUS nonlinear editing software. This version is ideal for users of the previous version of EDIUS. Also included are the plug-ins, applications, and sample material (valued at over \$1,000) which come with the EDIUS software.
- HDSPARK standalone:** This model features only the HDSPARK board without our EDIUS nonlinear editing software. This version is ideal for current users of EDIUS.

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

The HDSPARK 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

- HDMI output for full-resolution, real-time monitoring from EDIUS NLE software (EDIUS not included with standalone model)
- Embedded HDMI audio output and separate RCA jacks for high-quality audio monitoring
- Video and audio output stays perfectly in sync with editing windows for accurate editing and trimming
- Edit any mix of SD and HD resolution video content together in real time
- Works with many different native video formats, including DV, HDV, AVCHD, uncompressed, and more
- Real-time SD/HD resolution, aspect ratio, and frame rate conversion and output – including 16:9 to 4:3 and NTSC to PAL
- New GPU-accelerated 3D transitions
- Real-time editing performance increases as CPU power increases

Note: Some of the features above are available only with EDIUS 5, which is not included in the standalone version of HDSPARK.

**PACKAGE CONTENTS
(HDSPARK WITH EDIUS):**

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

**PACKAGE CONTENTS (HDSPARK
WITH EDIUS UPGRADE):**

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

**PACKAGE CONTENTS
(HDSPARK STANDALONE):**

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



SPECIFICATIONS

Bus Interface

PCI Express Rev. 1.0a x1 lane

Video Formats (Output) (HDMI)

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

Video Output Connector

HDMI 1 port (HDCP not supported)

Audio Formats

LPCM 48 kHz/24-bit

Audio Output Connectors

- HDMI LPCM 8-channel
- Monitor: 1x stereo RCA (unbalanced)

Power Requirements

+12V: 0.05A, +3.3V: 0.9A

Physical Dimensions

68.9 x 97 mm (2.71 x 3.82 in.) (HxW)

Regulatory Compliance

CE, FCC CLASS B, C-Tick

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

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

DEALERS/RESELLERS

To find your local reseller or dealer for Grass Valley professional audio video products, please visit <http://www.grassvalley.com/sales/>.

SERVICE & SUPPORT

Twelve-month limited warranty with service provided through local resellers. Additional support available on a contractual basis.