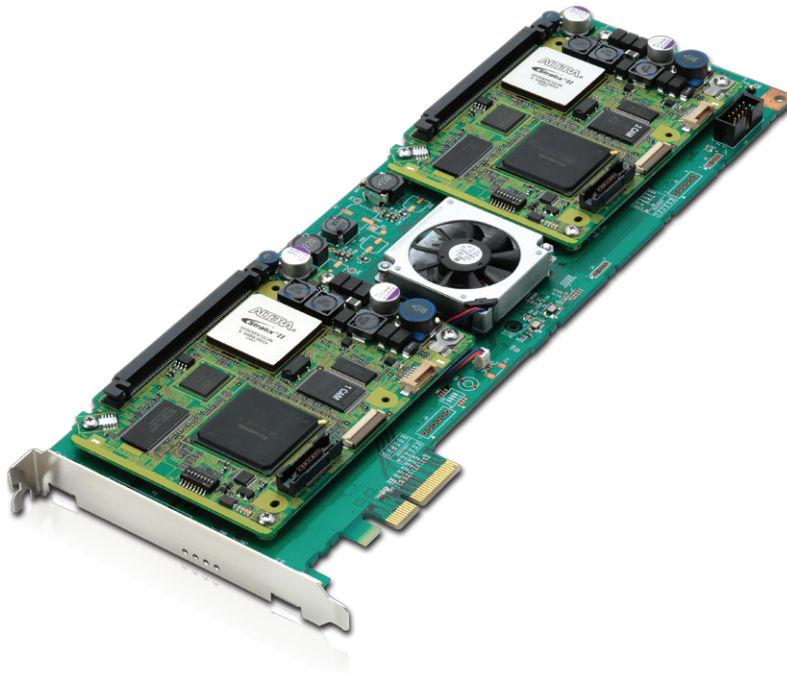


FIRECODER Intra

ACCELERATED ENCODING FOR AVC INTRA 50/100

FIRECODER Intra improves efficiency by speeding up the export of AVC Intra projects from EDIUS, saving time and money.



KEY FEATURES

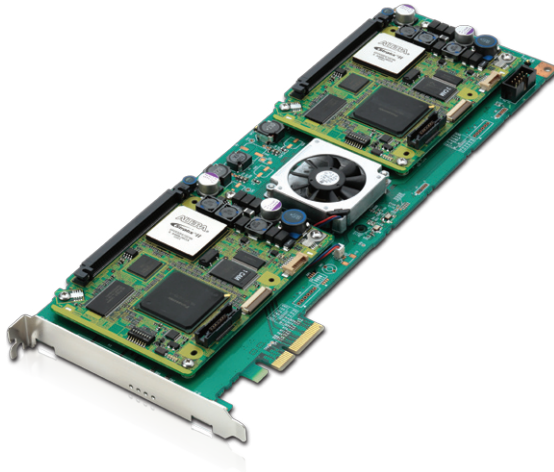
- 2-3 times faster than real-time encoding of AVC Intra 50/100 compatible video
- Direct export from Grass Valley EDIUS to the FIRECODER Intra encoder
- Combines CPU power and two hardware encoders for optimum performance
- Supports both 1080i and 720p
- Supports 59.94i/p, 50i/p, 29.97p, 25p, and 23.98p frame rates
- Encodes files created by EDIUS nonlinear editing software

FIRECODER Intra is a single PCI Express form factor board that provides for two to three times faster than real-time encoding to AVC Intra 50/100 from the Grass Valley EDIUS® timeline.

Encoding of AVC-Intra 50/100 files from the EDIUS timeline is greatly enhanced by FIRECODER Intra. A unique algorithm called Asynchronous Hybrid Synergetic Encode combines the capabilities of the workstation CPU and the two hardware

codecs on board for two to three times faster than real-time encoding right from the EDIUS timeline. To EDIUS users, FIRECODER Intra appears as an additional export option; providing seamless integration with EDIUS.

FIRECODER Intra improves efficiency by speeding up the export of AVC Intra projects from EDIUS, saving time and money.



Package Contents

- FIRECODER Intra PCI Express x4 bus card
- Hardware setup manual

SPECIFICATIONS

Bus Interface

PCI Express Rev. 1.1 x4 lane

Compression Formats

- AVC-Intra 1920x1080 (100 Mb/s): frame rates – 59.94i, 50i, 29.97p, 25p, and 23.98p¹
- AVC-Intra 1440x1080 (50 Mb/s): frame rates – 59.94i, 50i, 29.97p, 25p, and 23.98p¹
- AVC-Intra 1280x720 (100 Mb/s): frame rates – 59.94p, 50p, 29.97p, 25p, and 23.98p²
- AVC-Intra 960x720 (50 Mb/s): frame rates – 59.94p, 50p, 29.97p, 25p, and 23.98p²

Power Requirements

+12V: 1.8A, +3.3V: 2.8A

Physical Dimensions

112 x 312 mm (4.409 x 12.283 in.) (HxW)

Regulatory Compliance

CE, FCC CLASS A, C-Tick

System Requirements³

- 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 x4 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 HDD disc 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)⁴
- 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 Edition 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

¹ At 1080 lines, the AVC-Intra module has four frame-rate modes of 59.94i, 50i, 29.97p, and 25p. Encoding of 23.98p image data is encoded using 29.97p mode, and then reformatted to contain proper header information.

² At 720 lines, the AVC-Intra module has two frame-rate modes of 59.94p and 50p. Encoding of 29.97p, 25p, and 23.98p image data is encoded using 59.94p, 50p, and 59.94p mode respectively, and then reformatted to contain proper header information.

³ Including EDIUS requirements

⁴ Please check <http://desktop.thomsongrassvalley.com/> for the latest information on compatible graphics cards for GPU effects. As 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

HEADQUARTERS

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92648 Boulogne Cedex
FRANCE

DEALERS/RESELLERS

To find your local reseller or dealer for Thomson Grass Valley professional audio video products, please visit professional.grassvalley.com/sales/.

SERVICE & SUPPORT

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