



# FIRECODER Blu

ACCELERATED BLU-RAY ENCODING AND MORE

H.264/MPEG-2 hardware transcoder board that provides high-speed encoding of video files for use in DVD and Blu-ray disc production.



FIRECODER Blu is a single PCI Express form factor board that provides accelerated encoding of Blu-ray compatible video sourced from any number of video applications including our own Grass Valley™ EDIUS® nonlinear editing software. Output may be directly to a Blu-ray disc or to a Blu-ray compatible file for additional authoring. Additionally, FIRECODER Blu transcodes between AVCHD- and HDV-compatible MPEG-2 formats. It supports 1080i and 720p, as well as native 24p Blu-ray.

The included FIRECODER WRITER software provides basic Blu-ray and DVD authoring tools including creation of titles and chapters from Canopus® HQ (avi), HDV (m2t) and MPEG-2 PS (mpg, m2p) source files.

FIRECODER Blu is an H.264/MPEG-2 compatible hardware transcoder board that provides high-speed encoding of video files for use in DVD and Blu-ray disc production with four to five times faster than real-time encoding.

FIRECODER Blu also supports up- and down-conversion of SD and HD sources.

## KEY FEATURES

- Transcodes AVCHD to MPEG-2 (transport stream and program stream) and MPEG-2 to H.264 (transport stream)
- 2 times faster than real-time encoding of HD Blu-ray compatible video
- 4-5 times faster than real-time encoding of SD Blu-ray compatible video
- Direct writing to Blu-ray disc or output to file for additional authoring
- Supports 1080i and 720p as well as native 24p Blu-ray
- Up- and down-conversion of SD and HD sources
- Included FIRECODER WRITER software provides basic Blu-ray and DVD authoring tools including creation of titles and chapters from Canopus DV, Canopus HQ (avi), HDV (m2t) and MPEG-2 PS (mpg, m2p) source files
- Encodes or transcodes files created by Grass Valley EDIUS nonlinear editing software (not included) or other applications



### Package Contents

- FIRECODER Blu (MHX-C1) PCI Express x1 bus card
- FIRECODER WRITER installation disc (CD-ROM)
- Hardware setup manual

## SPECIFICATIONS

### Bus Interface

PCI Express Rev. 1.1 x1 lane

### Input Formats (FIRECODER WRITER)

- Canopus DV
- Canopus HQ
- H.264 (AVCHD compatible)
- MPEG-2 transport stream (TS)
- MPEG-2 program stream (PS) (HDV Compatible)

### Output Formats (FIRECODER WRITER)

- BD-R/BD-RE writing: H.264, MPEG-4 AVC
- DVD writing: MPEG-2
- File output: H.264 (MPEG-2 TS), MPEG-2 PS, MPEG-2 TS (HDV)

### Power Requirements

+12V: 1.75A, +3.3V: 0.15A

### Physical Dimensions

111.15 x 167.65 mm (4.375 x 6.600 in.) (HxW)

### Regulatory Compliance

CE, FCC CLASS B, C-Tick

### System Requirements

- PC/AT compatible machine with an Intel Pentium 4 2.8 GHz or higher
- 1 GB RAM (2 GB or more recommended)
- One free PCI Express x1 (Rev. 1.1) bus slot
- 500 MB or more space required for software installation
- Drive with serial ATA 3 Gb/s, 7200 rpm drive or faster for capturing

- A graphics card with 1024\_768 dpi resolution 32 bit or higher color (must support DirectX 9.0c)
- CD-ROM drive is required for software installation
- 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

## HEADQUARTERS

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## DEALERS/RESELLERS

To find your local reseller or dealer for Thomson Grass Valley professional audio video products, please visit [professional.grassvalley.com/sales/](http://professional.grassvalley.com/sales/).

## SERVICE & SUPPORT

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