

# MVR1000

Realtime MPEG-1 and MPEG-2 Encoding



**canopus®**

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# MVR1000

## Specifications

### Realtime MPEG-1 and MPEG-2 Encoding

#### □ The Canopus Difference

By designing original and innovative hardware and software, Canopus produces the fastest, highest-quality nonlinear editing systems available for desktop PCs.

Our **Scalable Technology** architecture harnesses the processing power of your CPU which allows for speed and performance increases—including realtime transitions, effects and output—as the speed of your machine increases.

#### □ General

##### > High-quality, Low-Bandwidth MPEG-2 Video Compression

Use Canopus's MVR1000 hardware MPEG-2 encoder to convert your analog video □ □ to high-quality digital MPEG-2. MPEG-2 video compression provides high image quality □ and reduced file size making it perfect for CD, DVD, and Web use. Utilize MVR1000's □ Variable Bitrate (VBR) compression to further minimize the size of encoded video while maintaining quality.

##### > Deliver on DVD or CD

Create standard DVD-compliant MP@ML MPEG-2 streams with MVR1000, then take □ the files to the included DVDit! SE application □ to create menus and interactivity. □ □ Once your project is complete, DVDit! SE can write directly to DVD-R, DVD-RW, DVD-RAM, CD-R, or CD-RW drives for quick delivery to a client or for filing in your video archive.

##### > On-screen preview and playback

Take the guesswork out of when to start □□ and stop your encoding with high-quality □ on-screen playback, which lets you quickly check your encoded files.

##### > 3D Y/C pre-filtering

MVR1000's 3D Y/C pre-filtering is superior □ to standard 2D filtering and can provide enhanced image quality and better compression than competing products.

#### □ Features

- > NTSC and PAL compatible
- > Realtime MPEG-2 D1, MPEG-2 half-D1, □ and MPEG-1 realtime encoding
- > High-quality 3D pre-filtering
- > MPEG-2 D1, MPEG-2 Half-D1 and MPEG-1
- > IPB (MP@ML) and I-frame-only encoding
- > Constant Bitrate (CBR) and Variable Bitrate □ (VBR) encoding

#### □ Requirements

- > Microsoft Windows ME, □ □ Windows 2000 □ □ □ Windows XP
- > 1 free bus-mastering PCI slot (v2.1 or later)
- > VGA card capable of DirectDraw overlay

#### □ Service and Support

- > Three-year limited warranty
- > **Customer Service:** (408) 954-4502 □ □ (9am – 5pm Mon-Fri PST)
- > **Technical Support:** (408) 954-4506 □ □ (9am – 5pm Mon-Thu, 9am – 3:30pm Fri PST)

#### □ Technical Specifications

- Video Format** > NTSC (720x480), PAL (720x576)  
> CCIR 601 to square pixel conversion

- Video Input** > Composite (RCA) □□ and S-Video (mini DIN)

- Capture Resolutions** > NTSC 720x480, 352x480, 352x240  
> PAL 720x576, 352x576, 352x288

- Video Compression** > MPEG-2 (ISO/IEC 13818-2) □□ Main Profile @ Main Level □□ (I, B, P frames) □ □ □ I-frame-only support  
> MPEG-1 (ISO/IEC 11172-2)

- Filtering** > 3D Y/C separation

- Audio Input** > Stereo RCA

- Audio Sampling Rates** > 32 KHz, 44.1 KHz, 48 KHz □ (all 16-bit)

- Audio Bit Rates** > 64, 96, 112, 128, 160, 192, □ 224, 256, 320, 384 kbit/sec

- Multiplex** > ISO/IEC 13818-2 MPEG-2 program stream  
> ISO/IEC 11172-2 MPEG-1 system stream

