

# 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

