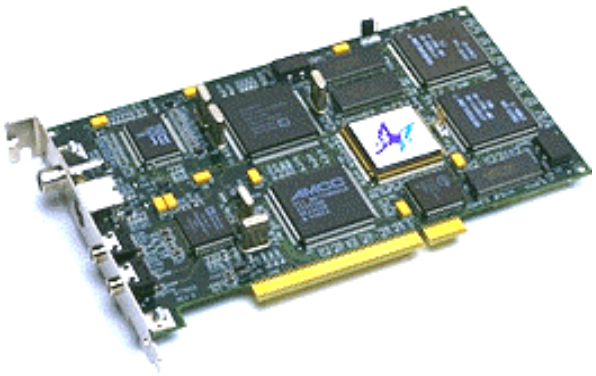
Video*ONE* Recorder
Video*ONE* Producer

Designed for High Quality Digital Video



Highest Quality Capture and Compression of Video/Audio Files Right on Your Desktop PC!

Video*ONE*™ Recorder and Producer are Array Microsystem's most affordable real-time MPEG-1 Encoder boards. They capture and compress video/audio for top quality authoring and VideoCD creation.

Video*ONE* Recorder is a highly integrated half-size PCI Plug & Play board designed for real-time MPEG-1 capture, and is Powered by Array Microsystem's Video*FLOW*® chipset technology.

The Video*ONE* Producer adds additional features and value to the Video*ONE* Recorder package. The Producer is well suited for the editing professional. It includes the award winning Digital Video Producer™ – a video editing software by Asymetrix™.

Affordable Real-time MPEG-1 Capture for Your Multimedia Applications!

Add life to your presentations, web pages, and tutorial guides with video from the pioneers of MPEG-1 encoders. Stop paying the high studio fees and do it all on your own with Video*ONE* Recorder/Producer. Toss away your old, out-of-date analog capture card and take advantage of the superior quality and compression of real-time MPEG-1 encoding.

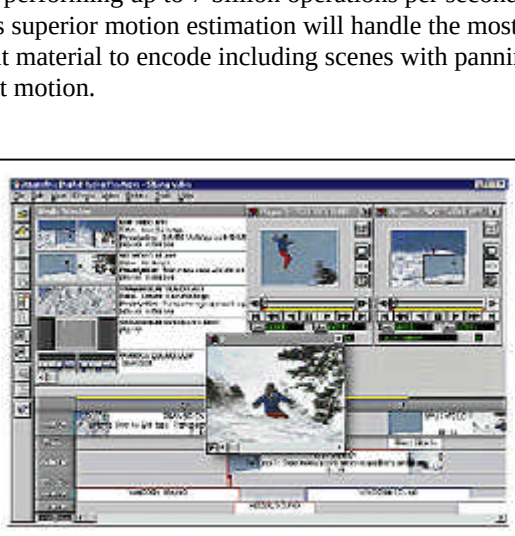
Real-time full SIF and 30 fps MPEG-1 IBBP capture is now possible with Video*ONE* Recorder/Producer. Only Array's Video*ONE*'s high quality MPEG-1 encoding can meet the low bandwidth requirements for video content over the Internet. Capture video starting at a low bit rate of 64 Kbps for your Internet applications. Increase the quality by raising the bit rate to 3 Mbps for your video applications on CD-ROMs. Video*ONE* Recorder/Producer enables a multitude of applications, including;

- VideoCD Creation
- Web Page Content Creation
- Presentation Authoring
- Training Video
- Security Surveillance
- Video E-mail
- Tutorial Video Guides
- Internet Video Download
- Video Archiving/Scrapbook

Connect your Camcorder, VCR, Laserdisc, or DVD player to the Video*ONE* Recorder/Producer and see your video come to life. Only the Video*ONE* line of products gives you 30 fps of video previewing on your PC screen before and during capture! Don't strain your eyes with lower frame rate preview from other MPEG-1 capture cards.

Video*ONE* Recorder & Producer Designed by Array Microsystems, the Experts in Top-Quality MPEG-1 Video/Audio Encoding!

Array Microsystems, Inc. designs their own video compression chipset for optimum performance and quality. Array's Image Compression Coprocessor (ICC) and Motion Estimation Coprocessor (MEC) handle the core compression tasks – performing up to 7 billion operations per second. Array's superior motion estimation will handle the most difficult material to encode including scenes with panning and fast motion.



Asymetrix Digital Video Producer

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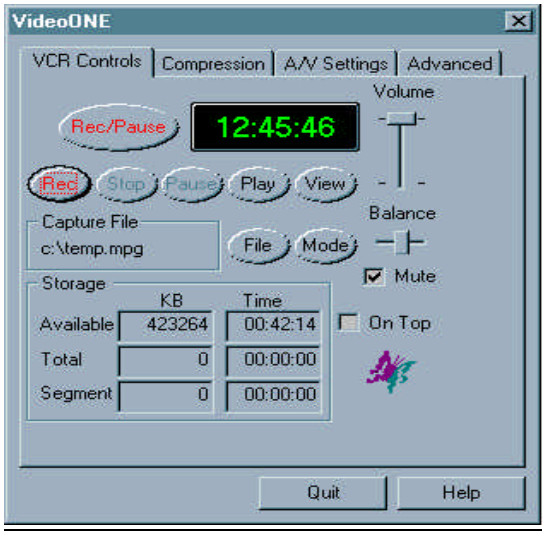
Array Microsystems, Commitment Through Superior Product Roadmap to Satisfy Your Multimedia Needs for Years to Come!

Array Microsystems, Inc. is dedicated to delivering the highest quality products for capturing and compressing video/audio. Array's software algorithms and hardware components are very stable – allowing continuous capture for VideoCD creation, from the beginning of the movie to the end!

It's easy with the Video*ONE* Recorder/Producer software, shown below. The unique *Pause & Resume* capability of this application makes it quick and easy to capture video.



System Requirements

CPU	Pentium® 100 or better
OS	Windows® 95/98 or NT 4.0
I/O	Available PCI slot
RAM	Windows 95/98 - 16MB or more Windows NT - 24MB or more
Disk	4MB for Video*ONE* Applications 10MB/min for Video CD creation
Graphics	SVGA with overlay and color space conversion capabilities via Direct Draw®
Audio/Video	Video/Audio Source and cables to connect to Video*ONE* board
Other	CD-R recommended for final storage

Specifications

Video Capture

Compression by Array Microsystem's Video*FLOW*® chipset
Real-time IBBP or I-frame MPEG-1 encoding
MPEG-1 Resolutions:

	SIF	QSIF
NTSC:	352x240 at 30 fps	176x120 at 30 fps
PAL:	352x288 at 25 fps	176x144 at 25 fps

Video Inputs: S-Video and Composite
Controls: Brightness, Contrast, Hue and Saturation
Video Bit Rates: 64 Kbps to 3.072 Mbps
Preview: 30 fps before and during capture

Audio Capture

Compression by Analog Devices™ 2181 DSP
MPEG-1 Layer II, Stereo and Mono
Audio Resolutions:
Stereo: 64 - 384 Kbps
Mono: 32, 48, 56 and 80 Kbps
Audio Sample Rates: 48, 44.1 and 32 KHz
Controls: Mute, Balance and Volume
Input/Output: Line Level, Mini Stereo Jacks

System

Audio, Video or Multiplexed Files
Windows 95/98 Sound Driver
Record, Pause, Resume, Stop, Play
Software Development Kit *(Optional)*

Playback

Integrated with Microsoft® Active Movie Player™

Bundled Software

Video*ONE* Recorder:
– Video*ONE* Recorder Application
Video*ONE* Producer:
– Video*ONE* Producer Application
– Simple & Easy-to-use iFilmEdit™ MPEG-1 Editor by Cinax™
– Award winning Digital Video Producer™ by Asymetrix™

Model No.

VF100 **Video*ONE* Recorder:**
PCI MPEG-1 Encoder Card.

VF200 **Video*ONE* Producer:**
PCI MPEG-1 Encoder Card, Cinax iFilmEdit, and Asymetrix Digital Video Producer

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