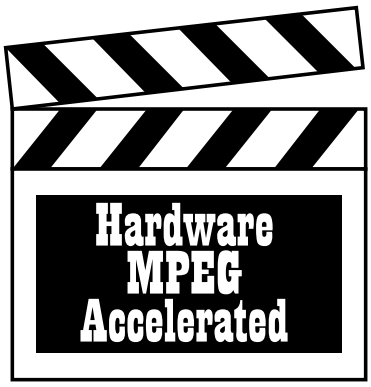
# Product Specifications

**Product Code: SVMP64**

The Voyager Movie Player is a PCI bus DRAM accelerator card with the ability to decode and play back MPEG1 (Motion Pictures Expert Group) video and 16-bit CD-quality audio. The Voyager Movie Player allows you to play back movies or video clips at full screen from a CD-ROM or hard drive. It includes an LPB (Local Peripheral Bus) feature connector that allows you to attach a high-speed LPB-compatible peripheral product such as a video capture or tuner card.

The Voyager Movie Player is based on the highly integrated S3 Trio64V+™ architecture for graphics and the S3 Scenic/MX2™ for MPEG1 video. The Trio64V+™ contains an integrated RAMDAC, Dual Clock Generator, and streams processor for CSC (Color Space Conversion) and scaling. The Trio64V+™ has a 64-bit memory interface which provides 228Mbps bandwidth to support resolutions up to 1600 x 1200, color depths up to 16M colors, and refresh rates up to 75Hz non-interlaced.




The Scenic/MX2™ decodes MPEG1 video/audio streams. The decoded video is displayed in a scalable window that can be sized to a full screen. The audio from the Scenic/MX2™ is converted from digital to analog by the Sonic AD™ and processed by the SRS circuit to create a 3-D sound field with only two speakers.

Users of high-performance CAD, animation, and 3-D modeling applications will benefit from the high-level graphics performance offered by the Voyager Movie Player. Drivers are provided for support of major GUIs and applications such as, AutoCAD, Windows 3.1, Windows 95, Windows NT and 0S/2. You can also enable/disable the feature connector and DPMS (Display Power Management Signaling) support.

## Features and Benefits

- MPEG1 (Motion Picture Expert Group) compliant; play back movies from a CD-ROM or hard drive.
- CSC (Color Space Conversion) and XY scaling; playback can occur at full screen, or in a small window. Scale the image continuously without loss of frames.
- DCI (Display Control Interface) for Windows improves display performance of video playback and graphics
- 16-bit digital sound provides CD-quality stereo audio.
- SRS 3-D Surround Sound SRS creates a 3-D sound field using only two speakers.
- PCI-Bus interface provides fast performance even under heavy system loads.
- 1MB DRAM, upgradable to 2MB. DRAM provides an economical high-performance solution.
- 64-bit GUI engine and memory interface for fastest performance for Windows, AutoCAD and other graphics-intensive applications.
- VESA BIOS-supported in ROM; no TSR needs to be loaded in the system to run VESA applications.
- LPB Feature Connector, a high-speed feature connector supporting high-speed bidirectional multimedia peripheral products such as MPEG1 decoders and NTSC video decoders.

## Driver Support

- Windows 95, Windows 3.1, Windows NT 3.5
- Autodesk ADI 4.2, 3-D Studio 1.0/2.0, AutoShade 2.1
- AutoCAD 11, 12 (DOS)
- Microstation 4.0, 5.0
- OS/2 and OS/2 Warp and future software drivers available free-of-charge, downloadable from Boca's BBS.

## System Requirements

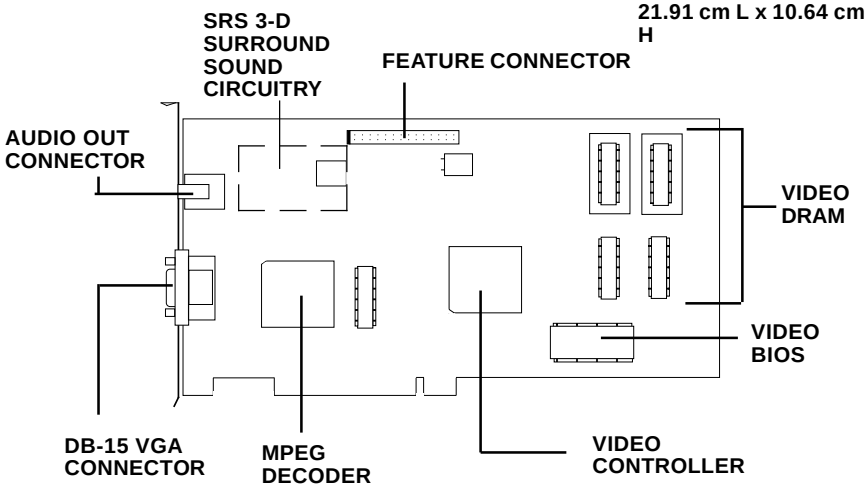
- 486DX2/66 or higher PC with PCI 2.0 compliance
- DOS 5.0 or later
- 8MB minimum RAM recommended for Windows
- Video monitor capable of the desired resolution




**Revision 2.0**
**8/95**

# Product Specifications

## Main Board Components




### Package Includes:

- SVMP64 board
- driver diskette
- installation manual
- stereo line cable

**Also included: Any View Professional™ from Binar Graphics!**

**See your system's graphics display run up to 25% faster. With Any View, switching between color depths and resolutions is as easy as the click of a button—your display changes instantly.**

## Video Modes Provided by the Voyager Movie Player

| Mode | Screen Resolution | Colors | Refresh Rate (KHz) |
|---|---|---|---|
| 10A | 132 x 43 characters | 16 | 70 |
| 109 | 132 x 25 characters | 16 | 70 |
| 100 | 640 x 400 | 256 | 70 |
| 101 | 640 x 480 | 256 | 60, 72, 75 |
| 102 | 800 x 600 | 16 | 56, 60, 72, 75 |
| 103 | 800 x 600 | 256 | 56, 60, 72, 75 |
| 104 | 1024 x 768 | 16 | 43 (I), 60, 70, 75 |
| 105 | 1024 x 768 | 256 | 43 (I), 60, 70, 75 |
| 106 | 1280 x 1024 | 16 | 45 (I) |
| 107 | 1280 x 1024 | 256 * | 45 (I), 60, 72, 75 |
| 110 | 640 x 480 | 32,768 | 60, 72, 75 |
| 111 | 640 x 480 | 65,536 | 60, 72, 75 |
| 112 | 640 x 480 | 16.7M | 60, 72, 75 |
| 113 | 800 x 600 | 32,768 | 60, 72, 75 |
| 114 | 800 x 600 | 65,536 | 60, 72, 75 |
| 115 | 800 x 600 | 16.7M * | 60, 72, 75 |
| 116 | 1024 x 768 | 32,768 * | 43 (I), 60, 70, 75 |
| 117 | 1024 x 768 | 65,536 * | 43 (I), 60, 70, 75 |
| 120 | 1600 x 1200 | 256 * | 48.5 (I) |
| 201 | 640 x 480 | 256 | 60, 72, 75 |
| 202 | 800 x 600 | 16 | 56, 60, 72, 75 |
| 203 | 800 x 600 | 16 | 56, 60, 72, 75 |
| 204 | 1024 x 768 | 16 | 43 (I), 60, 70, 75 |
| 205 | 1024 x 768 | 256 * | 43 (I), 60, 70, 75 |
| 207 | 1152 x 864 | 256 * | 60 |
| 208 | 1280 x 1024 | 16 | 43 (I), 60, 72, 75 |

## Memory

- 64-bit wide memory interface
- 1MB of display memory, upgradable to 2MB.

## Hardware Features

- ***MPEG1 Video Decoder SIF Resolution***
- ***MPEG1 Audio Decoder***
- ***SRS 3-D Surround Sound***

***Maximum Resolutions/Color Depths Supported (Non-Interlaced):***

- 1280 x 1024 X 256 Colors*
- 1024 x 768 x 64K Colors*
- 800 x 600 x 16M Colors*

***Maximum Resolution/Color Depth Supported (Interlaced):***

- 1600 x 1200 x 256 Colors*

***Maximum Clock Frequencies***

- Dot Clock 135Mhz
- Memory Clock 57Mhz

## VESA Support

- DDC Monitor Communications Support
- VESA-compliant Feature Connector
- VESA 1.2 BIOS with DPMS (Display Power Management Signaling) monitor support mode. Monitor Plug and Play is supported by the VESA DDC (Display Data Channel) support in the hardware and BIOS. The VESA DDC support allows the video subsystem to sense the modes available by the DDC compliant monitor, and only allows the Voyager Movie Player to be placed in those modes.

**2MB Version*