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6. Warranty is guaranteed only during guarantee period. It is applied to anyone who purchased the product from authorized sales channels.

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Introduction to NAVIS -Pro

Thank you for choosing NAVIS-Pro, a Real time MPEG-1/2 encode and decode PC Card

NAVIS-Pro is the next model in the NAVIS series of MPEG-1/2 Encoders that has been widely accepted as a good quality, (at low cost) MPEG-1/2 product around the world. Enhanced, further professional performance is now available with NAVIS-Pro yet still at a very reasonable price.

NAVIS-Pro integrates MPEG-1/2 video & audio encoding perfectly within one board and decodes files with playback or records them on TV or to other external media at the same time.

NAVIS-Pro lets you make MPEG 1 files for Video CD, MPEG 2 files for Super Video CD, and high quality DVD titles, etc enabling real time VBR (variable bit rate) encoding.

NAVIS-Pro also has a TV tuner, enabling you to record TV shows in real time.

Above all, NAVIS-Pro is easy to install and convenient to use by supporting Plug & Play methods.

1. Introduction to NAVIS-Pro

This chapter explains the main feature of NAVIS-Pro, with system requirements to run NAVIS Pro and all contents in the box.

1.1 NAVIS -Pro Specification

- PC Bus Type : PCI 2.1
- Video Input : 1 Composite
- Video output : 1 Composite, 1 S-VHS
- Video Input type(format):NTSC, PAL
- Audio input : Analog stereo line input
- Audio output : Analog stereo line output
- Compression : CBR(constant Bit Rate), VBR(Variable Bit Rate)
- High Quality Time GOP Structure : I,B,P Frames
- Frames: 30 Frames/sec
- Output stream
 - VCD(MPEG1, 352 x 240, Video 1.15Mbps, Audio 224Kbps)
 - MPEG1-2M(MPEG1, 352 x 240, Video 2Mbps, Audio 224Kbps)
 - SVCD(MPEG2, 480 x 480, Video 2.5Mbps, Audio 224Kbps)
 - MPEG2-4M(MPEG2, 720 x 480, Video 4 Mbps, Audio 384Kbps)
 - MPEG2-6M(MPEG2, 720 x 480, Video 6 Mbps, Audio 384Kbps)
 - MPEG2-8M(MPEG2, 720 x 480, Video 8 Mbps, Audio 384Kbps)
 - MPEG2-10M(MPEG2, 720 x 480, Video 10 Mbps, Audio 384Kbps)
- Environment
 - Operating temperature:0~60 C
 - Storing temperature: -55 ~ 85 C
 - Humidity: 10% ~ 90%
- Dimension
 - 170 x 105 mm

1.2 Features

1. Record

You can make high quality of video & audio files with the digital recording function that NAVIS-Pro offers and encodes and stores video and audio from a VCR, camcorder or camera to MPEG 1 or MPEG 2 high quality file format in a Personal computer.

2. Play on your TV

You can enjoy high quality video & audio on a TV screen at any time, as NAVIS-Pro enables you to playback MPEG-1 or MPEG-2 file recorded in your computer through a VGA card or with video & audio output connectors.

3. Watch your TV show and record

NAVIS-Pro has a TV tuner that enables you watch a TV show or record a TV show to your PC' hard disk into MPEG files in real time and play them back at any time.

4. Time Shift

NAVIS-Pro's time shift feature gives you control of what you watch in your NAVIS-Pro window. Get a personal "instant replay" to stop the action when you want to analyze an important scene. Instantly rewind to any point and replay the action again.

You're in control with NAVIS-Pro. If you leave to receive a call or answer the door, switch on the time shift. On return, click again to continue watching precisely where you left off. Then skip through commercials as you catch up to the live broadcast.

5. Making a video CD or SVCD

NAVIS Pro allows you to create MPEG 1 Video CD or MPEG 2 Super Video CD and write it to CD-R, R/W.

Video CD's can be played on your PC or DVD player

6. Creating a DVD title

NAVIS-Pro enables you to enjoy high quality audio / video images as you create your own DVD titles by using a DVD-R with a DVD authoring tool which is provided as package software with Navis-Pro or you can record it into DVD format by using CD-R.

7. Record a file size setup

You can set up the file size in advance If you record in CD as a VCD or SVCD file. It is possible to fit the file size with the CD capacity setting 650Mbytes or 700Mbytes.

8. Album function

NAVIS-Pro provides preview function to organize recorded files in a specific folder.

1.3 System requirements

■ Recommendable System requirements

- CPU : Pentium III 500 Mhz over
- Memory : 128 MB over
- Hard Disk : Hard disk that supports Ultra DMA
- Video card : Video card that supports DirectDraw
- Main board : Main board that supports PCI 2.1 3.3 Volt power
- OS : Windows 98SE, Me, 2000 Professional