DVP-2420E

Features

- 2 channel composite inputs with MPEG-1/2/4 hardware compression
- Supports MPEG1 Layer II audio compression
- 60/50 fps (NTSC/PAL) at D1 resolution for recording and display
- Excellent DVD level Audio/Video quality using VW2010 codec engine
- Support ADAM-4055 8DI/8DO Module
- SDK supports Windows® XP/XPe/Windows 2000 with VC++ sample codes

Introduction

The DVP-2420E is a PCI-104 module that supports two channel full-motion simultaneous video/audio capture and compression/decompression. It adopts a high performance MPEG-1/2/4 hardware codec to provide video with D1 resolution at 30/25 fps and MPEG-1 Layer II audio. Combined with an additional two channel full-motion preview and codec engine, the DVP-2420E is an ideal platform for high quality embedded video applications such as digital video surveillance, video conferencing, digital signage, set-top-box and IP video.

Specifications

Video

- **Video Standard**   Composite for NTSC/PAL
- **Video Input**   2 channels
- **Resolution**   Up to D1 (NTSC: 720 x 480; PAL: 720 x 576)
- **Max Recording Rate**   30/25 fps (NTSC/PAL) for each channel
- **Display Rate**   30/25 fps (NTSC/PAL) for each channel
- **Video Compression**   MPEG-1/2/4
- **Video Output**   2 x BNC connectors for decoded playback

Audio

- **Audio Input**   2 x stereo inputs
- **Audio Output**   2 x stereo outputs
- **Audio Encoding**   Supports MPEG1-Layer II

Software Development Kit

- **Operating System**   Supports Windows XP/XPe and Windows 2000
- **DirectX Required**   Version 9 or above
- **Demo Program**   Complete demo program with VC++ sample code for reference

Physical Characteristics

- **Host Interface**   PCI-104
- **DI/O**   Support ADAM-4055 8DI/8DO Module
- **Operating Temperature** -10 ~ 60° C (14 ~ 140° F)
- **Storing Temperature**   -20 ~ 70° C (-4 ~ 158° F)
- **Dimensions**   95.88 x 90.17 mm (3.77" x 3.55")

Versatile SDK Support

Advantech provides software development kit (SDK), a set of development tools that allows a software engineer to integrate our capture card into many different types of system. Functions include video recording, playback, and instant preview.

The SDK package would include:

- Software Library
- SDK Manual
- Sample Program

Ordering Information

- **DVP-2420E**   2-ch PCI-104 MPEG-1/2/4 Video Capture Module w/ SDK