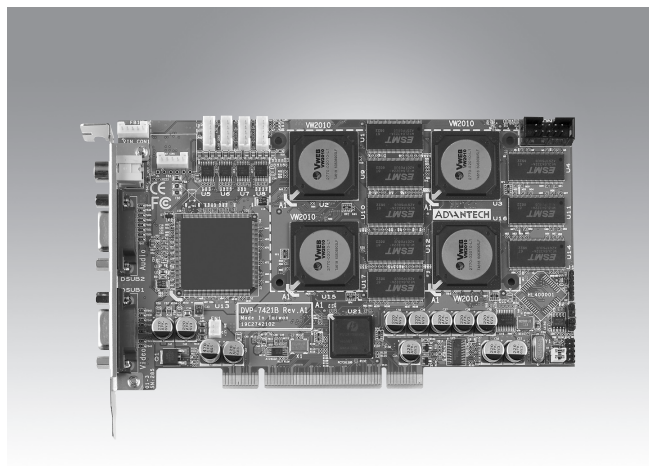


DVP-7421BE

4-ch Real-Time MPEG-1/2/4 Video Capture Card



Features

- Excellent DVD level Audio/Video quality using VW2010 codec engine
- 4-channel 120/100 fps concurrent hardware encode/decode
- 120/100 fps at D1 resolution for live preview, encode and decode
- Supports MPEG-1/2/4 video compression
- Supports MPEG1 Layer II audio compression
- SDK supports Windows® XP/2000 with VC++ sample code
- 4 x DI, 4 x DO
- Supports 16 channels via four interconnected DVP-7421BE cards

Introduction

The DVP-7421BE is a high-end video capture board with a hardware codec engine. It supports 4-channel live preview, video/audio compression and playback at D1 resolution and 120/100 fps. Up to four DVP-7421BE boards can be installed in one PC for concurrent live viewing, compression and playback of up to 16 channels at D1 resolution and 480 fps. The programmer can use the comprehensive SDK to load protection code or system parameters into the on-board 128 byte EEPROM. The SDK comes with sample code for reference. The hardware codec engine makes the DVP-7421BE the ideal platform for applications like network video servers, video conferencing, video training systems, and high-end digital video surveillance.

Specifications

Video	Video Standard	Composite for NTSC/PAL
	Video Input	4 x BNC connectors
	Resolution	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	PCI preview/playback stream Analog video out from Smart Quad with composite connector
Audio	Video Loopout	4 x BNC Connectors or 5-pin internal connector
	Audio Input	4 x stereo inputs (4 mono x BNC connectors or 2 x 5-pin internal connectors)
Software Development Kit	Audio Encoding	Supports MPEG1-Layer II
	Operating System	Supports Windows XP and Windows 2000
	DirectX Required	Version 9 or above
Physical Characteristics	Demo Program	Complete demo program with VC++ sample code for reference
	Host Interface	PCI V2.2
	DIO	4DI/4DO (optional DI/O module)
	Operating Temperature	-10 ~ 60° C (14 ~ 140° F)
	Storing Temperature	-20 ~ 70° C (-4 ~ 158° F)
	Dimensions	182.6 x 106.9 mm (7.2" x 4.2")

Free up CPU Power

With the MPEG4 hardware codec engine, the DVP-7421BE supports triple functions-for video encoding, decoding, and live preview. This frees up CPU computing power for other integrated functions. For an existing system, the DVP-7421BE is an ideal way to expand the video functions without a major hardware upgrade.

- Performance Test on Pentium IV 2.4 GHz
- Encoding/Decoding Setting per channel: D1(720x480), 30 FPS, MPEG4

Testing Condition	CPU consumption
1 x DVP-7421BE Card for 120 FPS D1	
4 CH Encode Only	0 ~ 5 %
4 CH Encode + Preview	15 %
4 CH Encode + Preview + Decode	15 ~ 20 %
4 x DVP-7421BE Card for 480 FPS D1	
16 CH Encode Only	10 %
16 CH Encode + Preview	40 %
16 CH Encode + Preview + Decode	40 ~ 50%

Ordering Information

Part Number	Description
DVP-7421BE	4 Channel MPEG-1/2/4 Video Capture Card
9692080400E	4 x DO + 4 x DI module

Packing List

Part Number	Description	Quantity
9692742100E	DVP-7421BE video codec board	x 1
2062742110	Utility CD	x 1
2190000902	Board product warranty card	x 1
1700001618	VGA D-sub Cable 15-pin to 8 x BNC 15 cm	x 1
1700007562	VGA D-sub Cable 15-pin to Phone Jack 8 x 15 cm	x 1