

Платы видеозахвата серии DVR

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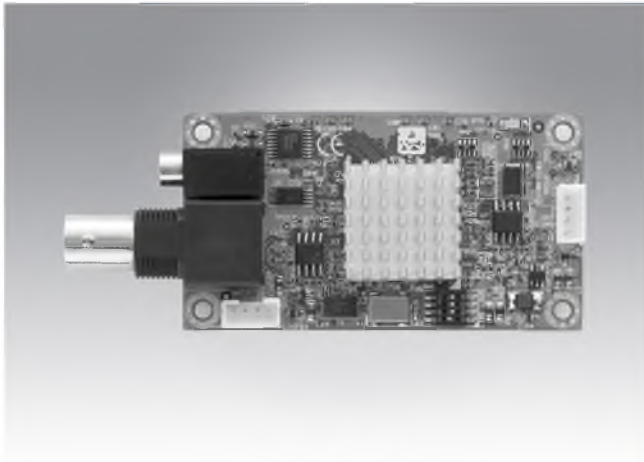
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DVP-1412E

DVP-1412WE

1-ch USB MPEG-4 Video Capture Module

1-ch USB MPEG-4 Wide Temperature Video Capture Module



Features

- Supports NTSC/PAL MPEG-4 full-motion video/audio encoding up to D1 resolution at 30/25 fps
- Hardware video/audio encoding engine onboard
- 16 x 16 OSD text of up to 96 characters
- Up to eight modules can be installed into one PC
- High speed USB 2.0 interface
- Supports Windows® 2000/XP with driver, DLL SDK and DirectShow SDK
- -20 ~ 80° C (-4 ~ 176° F) wide operating temperature (optional)

Introduction

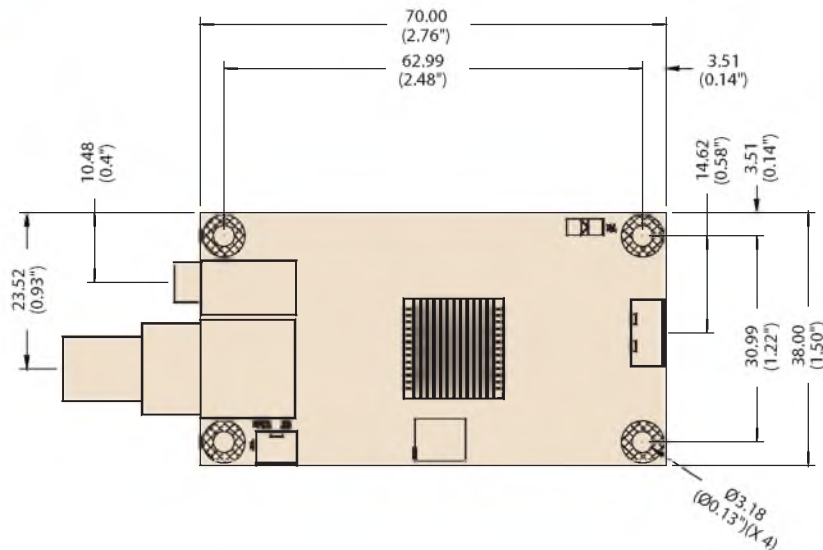
The DVP-1412E is a compact-sized, hardware MPEG-4 video encoder module that is designed for embedded video/audio applications and simple digital video upgrade solutions. It can be easily integrated into many different types of hardware, like Panel PCs, ATMs, and embedded PCs. The DVP-1412E is capable of delivering streaming video up to full D1 resolution at full-motion frame rates. By using a standard high-speed USB 2.0 interface, the DVP-1412E easily integrates with most Single Board Computers or PC-based systems. Using 128-byte EEPROM, programmers can write protection codes or set system parameters via the SDK. DVP-1412E delivers standard composite video and audio input through BNC connectors and comes complete with SDK and driver for MS Windows 2000 or XP. All these great features make the DVP-1412E very easy for system integrators to develop applications. DVP-1412E is the ideal compact embedded digital video and audio solution for multiple applications.

Specifications

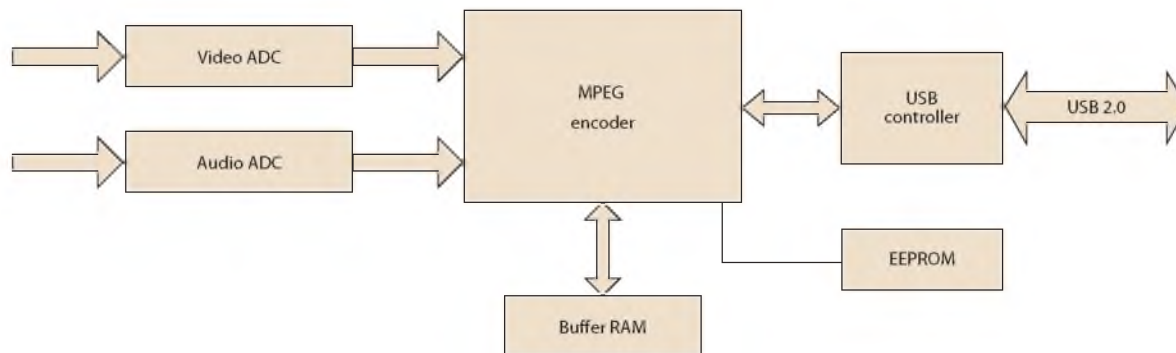
Video	Video Standard	Composite for NTSC/PAL	
	Video Input	1 x BNC connector	
	Resolution	D1 (NTSC: 720 x 480; PAL: 720 x 576)	
	Max Recording Rate	30/25 fps (NTSC/PAL)	
	Display Rate	30/25 fps (NTSC/PAL)	
	Video Compression	MPEG-4	
Audio	Audio Input	1 x stereo input	
	Audio Encoding	ADPCM H/W encoding	
Software Development Kit	Operating System	Supports Windows® XP and Windows 2000	
	DirectX Required	Version 9 or above	
	Demo Program	Complete demo program with VC++ sample code for reference	
Physical Characteristics	Host Interface	USB 2.0	
		DVP-1412E	DVP-1412WE
	Operating Temperature	-10 ~ 60° C (14 ~ 140° F)	-20 ~ 80° C (-4 ~ 176° F)
	Storing Temperature	-20 ~ 70° C (-4 ~ 158° F)	-20 ~ 80° C (-4 ~ 176° F)
	Dimensions	70 x 38 mm (2.75" x 1.49")	70 x 38 mm (2.75" x 1.49")

Dimensions

Unit: mm (inch)



Block Diagram



Packing List

Part Number	Description	Quantity
170000292	USB 30 cm wire pitch 2.0 mm	x 1
2062141200	Utility CD	x 1
9696141200E	DVP-1412E MPEG-4 video encoding module	x 1

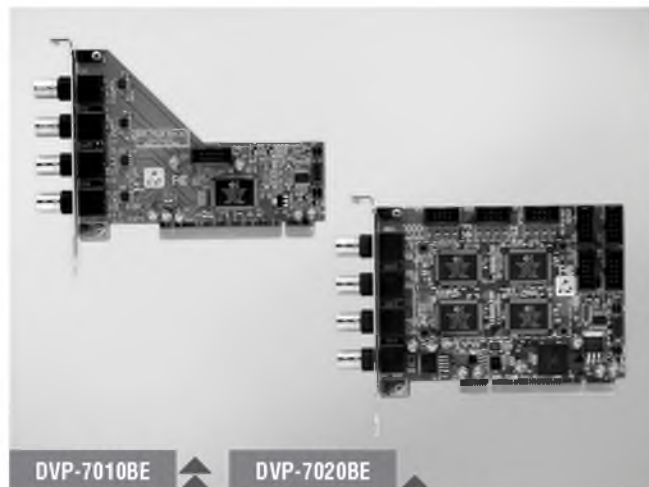
Ordering Information

Part Number	Description
DVP-1412E	1 channel USB MPEG-4 video encoding module
DVP-1412WE	1 channel USB MPEG-4 video encoding module, -20 ~ 80° C (-4 ~ 176° F)

DVP-7010BE DVP-7020BE

4-ch MPEG-4 Video Capture Card with SDK

16-ch MPEG-4 Video Capture Card with SDK



CE FCC

Features

- 4 or 16 channel composite inputs with MPEG-4 compression
- Able to mix DVP-7010BE with DVP-7020BE card stacks for up to 24 channels per PC
- 30/25 fps (NTSC/PAL) or 120/100 fps (NTSC/PAL) at D1 resolution for recording and display
- Conexant fusion 878A video capture chips on board
- Support ADAM-4055 8DI/8DO Module
- SDK supports Windows® XP/XPe/Windows 2000 with VC++ sample codes
- Supports Watchdog function

Introduction

The DVP-7010BE and DVP-7020BE are MPEG-4 compression, PCI-bus video capture cards. They support up to 4 or 16 channel inputs by share-frame technology and capture up to D1 resolution. DVP-7010BE and DVP-7020BE support NTSC/PAL composite video input through BNC connectors and digitizes the data to PC through PCI bus. The DVP-7010BE and DVP-7020BE can be used for video capture application or video surveillance with SDK support for software encoding and capture functions.

Specifications

Video

- **Video Standard** Composite for NTSC/PAL
- **Video Input** 4 or 16 BNC connectors
- **Resolution** Up to D1 (NTSC: 720 x 480; PAL: 720 x 576)
- **Max Recording Rate** DVP-7010BE: 30/25 fps for all channels
DVP-7020BE: 120/100 fps for all channels
- **Display Rate** DVP-7010BE: 30/25 fps for all channels
DVP-7020BE: 120/100 fps for all channels
- **Video Compression** MPEG-4 Software Compression
- **Video Output** Multiple YCrCb, RGB, and YUV planar formats supported

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 V2.2
- **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** 125.38 x 97.25 mm (4.87" x 3.82")

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-7010BE** 4-ch MPEG-4 Video Capture Card w/ SDK
- **DVP-7020BE** 16-ch MPEG-4 Video Capture Card w/ SDK

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