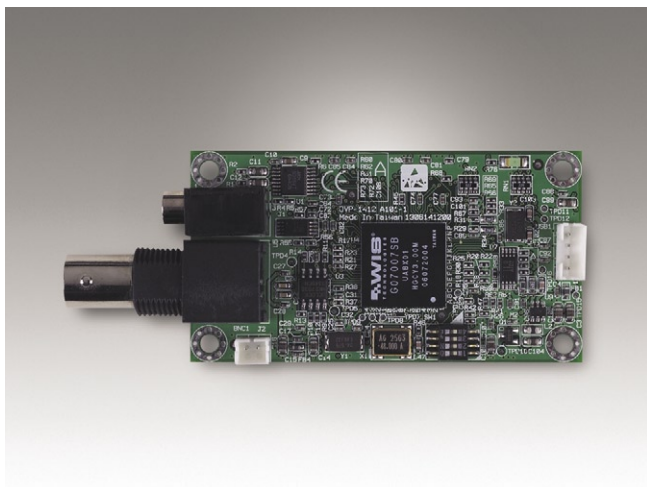


DVP-1412

1 Channel USB MPEG-1/2/4 Video Encoding Module



CE FCC

Features

- Supports NTSC/PAL MPEG-1/2/4 real-time video/audio encoding up to D1 resolution at 30/25 fps
- Hardware video encoding engine on board
- Audio data fingerprint embedded in video stream for perfect S/W synchronization
- Up to 4-modules can be installed into one PC system, set by onboard DIP switch
- High speed USB 2.0 interface
- Supports MS Windows® 2000/XP with driver and SDK

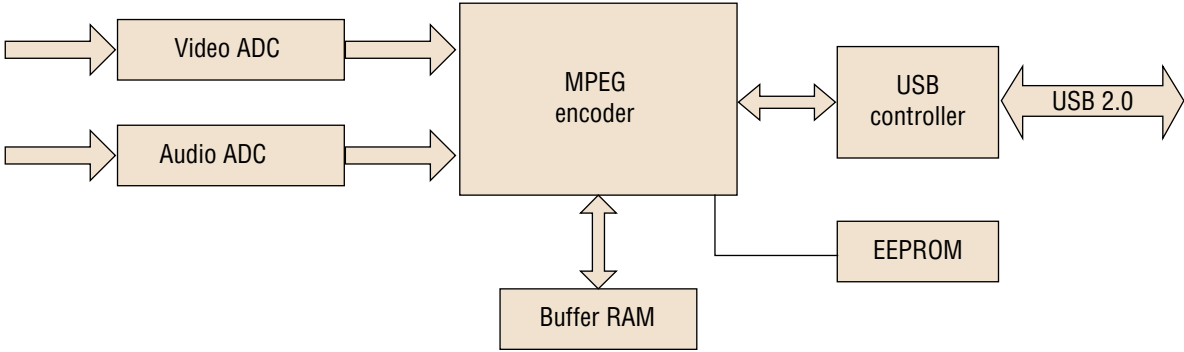
Introduction

Designed for embedded video/audio applications and simple digital video upgrade solutions, the DVP-1412 is a compact-sized, hardware MPEG-1/2/4 Video encoder module that can be easily integrated into many different types of equipment such as Panel PCs, ATM machines, and embedded PCs etc. The DVP-1412 is capable of delivering streaming video up to full D1 resolution at a full-motion frame rate. By using a standard high-speed USB 2.0 interface, the DVP-1412 easily integrates with most Single Board Computers or PC-based systems. Using the 128-byte EEPROM, programmers can write protection code or set system parameters via the SDK. DVP-1412 delivers standard composite video and audio input through BNC connectors and comes complete with SDK and driver for MS Windows 2000 or XP OS environments, making DVP-1412 very easy for system integrators to develop applications. DVP-1412 is an ideal compact embedded digital video and audio solution for multiple applications.

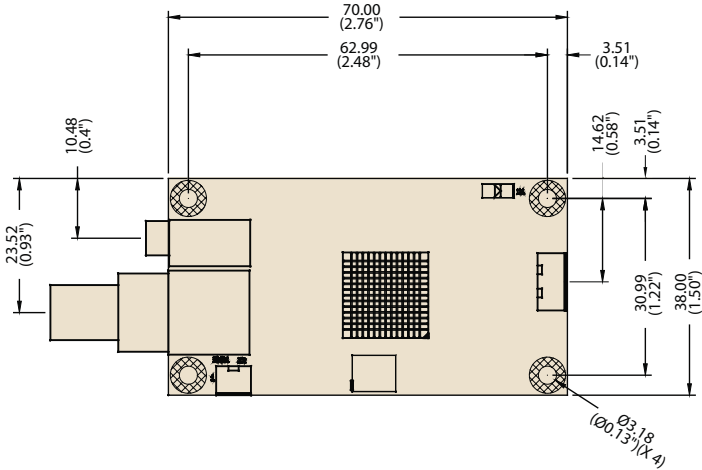
Specifications

Video system	Video Standard	Composite for NTSC/PAL	
	Video Input	1 (BNC connector)	
	Capture Resolution	D1/VGA/QVGA/CIF	
	Frame Rate	30/25 fps at NTSC/PAL	
	Image Processing	Hardware adjustment of hue, contrast, saturation, and brightness	
	Video Encoding	MPEG-1/2/4	
	Video encoding format	MPEG-1/2 and MPEG-4 Simple Profile	
Audio System	Audio Input	1 stereo input (phone jack)	
	Audio encode format	ADPCM with default mux supported at windows	
Software Develop Kit	Operation System	Supports Microsoft Windows® XP and Win2K	
	DirectX Required	Version 9 or above	
	Demo Program	Complete demo program with C++ sample code for reference	
Hardware	Host interface	USB 2.0	
	Max. Card	4 modules only set by on-board DIP switch	
	EEPROM	128 bytes, includes SDK for programming	
	Power Consumption	Max. 5.0 V DC at 500 mA from Standard USB port	
Environment		Operating	Non-operating
	Temperature	-0 ~ 60°C	-20 ~ 70°C
Physical Characteristics	Dimensions (W x L)	70 x 38 mm (2.75" x 1.49")	

Block Diagram



Dimensions



Unit: mm (inch)

Packing List

Part Number	Description	Quantity
1700000292	USB 30 cm wire pitch 2.0 mm	x 1
2062141200	Utility CD	x 1
9696141200	DVP-1412 MPEG-1/2/4 video encoding module	x 1

Ordering Information

Part Number	Description
DVP-1412	1 channel USB MPEG-1/2/4 video encoding module