DVP-7020HE

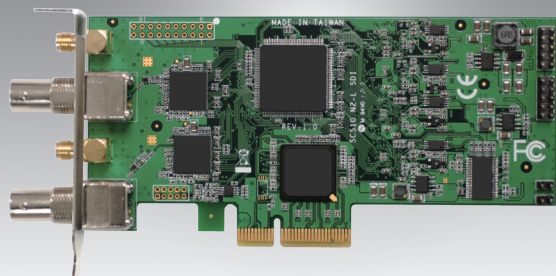## 2-ch H.264/MPEG4 Low-Power PCIe Video Capture Card with SDK

NEW

Features

- 2-channel SDI video inputs with H.264 software compression
- 120/100 fps (NTSC/PAL) at up to 1920x1080p resolution for recording and display
- PCIe x4 host interface
- Low Power Consumption
- Supports Watchdog function
- Windows/Linux OS supported

FCC ℂℰ RoHS COMPLIANT 2002/95/EC

Introduction

DVP-7020HE is a PCIe-bus, software compression video capture card with 2 SDI video and 2 SDI audio inputs. DVP-7020HE supports H.264 baseline compression format at up to Full HD resolution at real-time frame rate (60/50fps). With an easy-to-use software development kit (SDK) and flexibility to stack multiple cards, DVP-7020HE is an ideal solution for various video capture applications or video surveillance.

Specifications

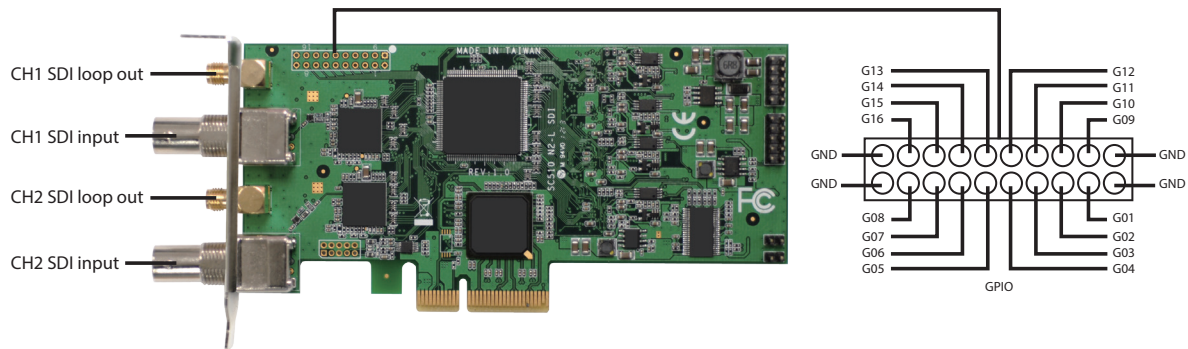|		
Video	Video Standard	HD-SDI
	Video Input	2 x SDI
	Video Output	2 x SDI (Loop Through)
	Compression	S/W H.264/MPEG4
	Max. Display Rate	60/50 fps (NTSC/PAL) @ 1920 x 1080p/ch
	Max. Recording Rate	60/50 fps (NTSC/PAL) @ 1920 x 1080p/ch
Audio	Audio Input	2 x SDI
	Format	Stereo/16 bits/32000~48000Hz
System Requirements	CPU (Display)	Intel Core 2 Duo E2200 2.2 GHz
	CPU (Recording)*	Intel Core 2 Quad Q9400 2.6 GHz
	Memory	2 GB
	VGA	1024 x 768, DirectX 9.0c
	Operating System	Windows XP/XPe/Vista/7; Linux 2.6.14 or higher; 32/64 bits
Physical Characteristics	Host Interface	PCIe x4
	Operating Temperature	-20 ~ 70° C (-4 ~ 158° F)
	Storing Temperature	-40 ~ 85° C (-40 ~ 185° F)
	Dimensions	140 x 64.4 mm
	Safety	CE/FCC

*For high quality full HD video recording at max. recording rate, Intel Sandy Bridge processor or above and Win7 OS are recommended

Versatile SDK Support (For Windows Only)

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

- Software Library
- SDK Manual
- Sample Program

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Connection Diagram

| CH1 SDI loop out |
| CH1 SDI input |
| CH2 SDI loop out |
| CH2 SDI input |

G13 G12
G14 G11
G15 G10
G16 G09
GND GND
GND GND
G08 G01
G07 G02
G06 G03
G05 G04

GPIO

Ordering Information

Part Number	Description
DVP-7020HE	2-ch H.264/MPEG4 Low-Power PCIe Video Capture Card with SDK

Packing List

Item	Amount
DVP-7020E Capture Card	1 (piece)
Watchdog Cable	1 (piece)
SDI Cable	2 (piece)
Short Iron(One to One)	1 (piece)