# DVP-7010HE

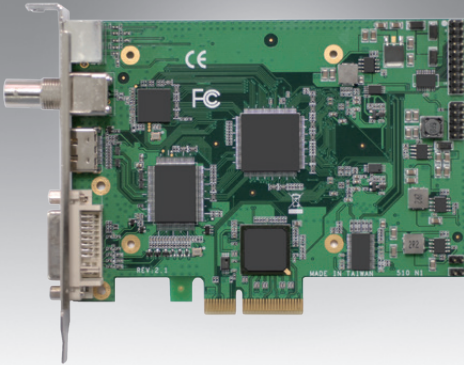**1-ch Full HD H.264/MPEG4 PCIe Video Capture Card with SDK**

**NEW**



## Features

- 1-channel HD-SDI/HDMI/DVI-D/DVI-A/YPbPr video input with H.264/MPEG4 software compression
- 60/50 fps (NTSC/PAL) at up to 1920 x 1080p resolution for recording and display
- PCIe x4 host interface
- Supports Watchdog function
- Windows/Linux OS supported

FCC CE RoHS COMPLIANT 2002/95/EC

## Introduction

DVP-7010HE is a PCIe-bus, software compression video capture card with 1 channel of either HD-SDI, HDMI, DVI-D, DVI-A, or YPbPr video and 1 audio input. DVP-7010HE supports H.264/MPEG4 compression format at up to Full HD 1080p for each channel. With an easy-to-use software development kit (SDK) and flexibility to stack multiple cards, DVP-7010HE is an ideal solution for various video capture applications or video surveillance.

## Specifications

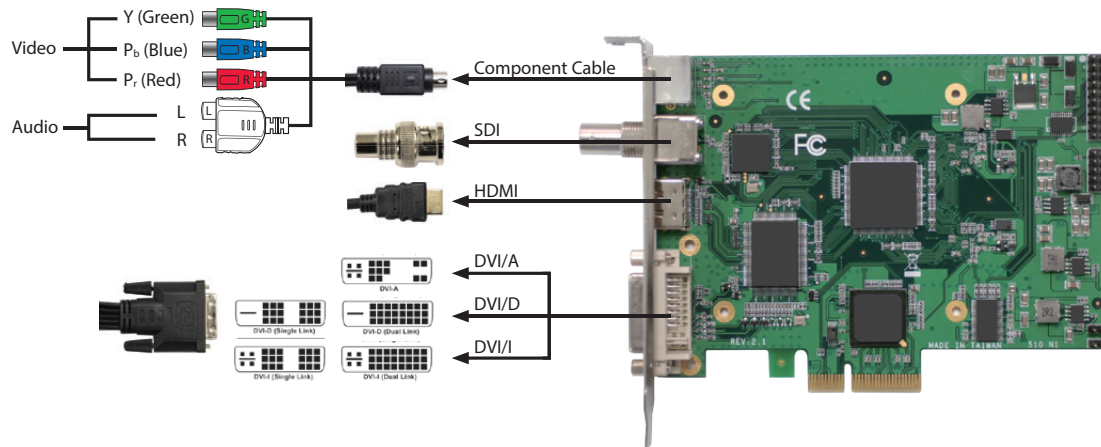| | | |
|---|---|---|
| Video | Video Standard | HD-SDI |
| | Video Input | 1 x HD-SDI/HDMI/DVI-D/DVI-A/YPbPr |
| | Compression | S/W H.264 / MPEG4 |
| | Max. Display Rate | 60/50 fps (NTSC/PAL) @ 1920 x 1080p |
| | Max. Recording Rate | 60/50 fps (NTSC/PAL) @ 1920 x 1080p |
| Audio | Audio Input | 1 x SDI, 1 x HDMI, 2 x RCA |
| | Format | STEREO/16 bits/32000 ~ 48000 Hz |
| System Requirements | CPU (Display) | Intel Core 2 Duo E2200 2.2 GHz |
| | CPU (Recording)* | Intel Core 2 Quad Q9400 2.6GHz |
| | 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 x 4 |
| | Operating Temperature | -20 ~ 70° C (-4 ~ 158° F) |
| | Storing Temperature | -40 ~ 85° C (-40 ~ 185° F) |
| | Dimensions | 135 x 101 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

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

Video
Y (Green)
P_b (Blue)
P_r (Red)

Audio
L
R

Component Cable

SDI

HDMI

DVI/A

DVI-A

DVI-D (Single Link)    DVI-D (Dual Link)

DVI/D

DVI-I (Single Link)    DVI-I (Dual Link)

DVI/I

CE

FC

REV:2.1    MADE IN TAIWAN    510 N1

## Ordering Information

| Part Number | Description |
|---|---|
| DVP-7010HE | 1-ch Full HD H.264/MPEG4 PCIe Video Capture Card with SDK |

## Packing List

| Item | Amount |
|---|---|
| DVP-7010HE Capture Card | 1 (piece) |
| Audio (RCA) / Video (YPbPr) cable | 1 (piece) |
| Watchdog cable | 1 (piece) |