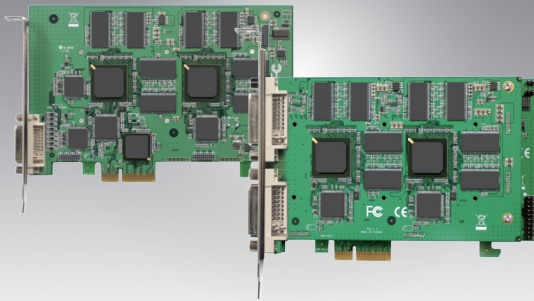


DVP-7640/7650E

8/16-ch H.264 PCIe
Video Capture Card
with SDK

NEW



DVP 7640E

DVP 7650E

Features

- 8/16-channel composite video inputs with H.264 hardware compression
- 30/25fps (NTSC/PAL) at up to 4CIF resolution for each channel of display
- 30/25 fps (NTSC/PAL) at up to 4CIF / D1+CIF dual stream resolution for each channel of recording
- PCIe x4 host interface
- Supports Watchdog function
- Windows/Linux OS supported



Introduction

DVP-7640E/7650E is a PCIe-bus, hardware compression video capture card with 8/16 analog video and 8/16 audio inputs. DVP-7640E/7650E series support H.264 compression format at up to 4CIF resolution at real-time frame rate (30/25fps) for each channel. With an easy-to-use software development kit (SDK) and flexibility to stack multiple cards, DVP-7640E/7650E series are ideal solutions for various video capture applications or video surveillance.

Specifications

| | | |
|--------------------------|-----------------------|--|
| Video | Video Standard | Composite for NTSC/PAL |
| | Video Input | 8/16 x BNC connectors |
| | Compression | H/W H.264 Main Profile |
| | Max. Display Rate | 30/25 fps (NTSC/PAL) @ 4CIF |
| | Max. Recording Rate | 30/25 fps (NTSC/PAL) @ 4CIF+CIF dual stream/ch |
| Audio | Audio Input | 8/16 x RCA |
| | Format | MONO/16 bits/8000HZ ~16000HZ |
| System Requirements | CPU (Display) | Intel Core 2 Duo E2200 2.2 GH |
| | CPU (Recording) | Intel Core 2 Duo E2200 2.2 GH |
| | 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 | 166 x 111 mm |
| | Safety | CE/FCC |

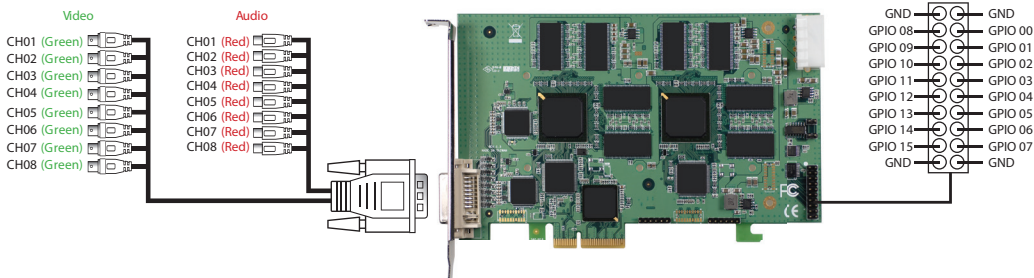
Versatile SDK Support

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.

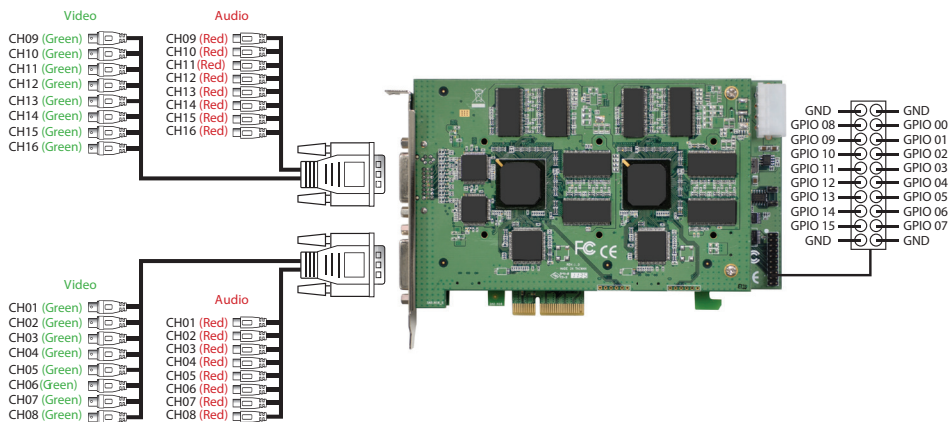
- Software Library
- SDK Manual
- Sample Program

Connection Diagram

DVP-7640E



DVP-7650E



Ordering Information

| Part Number | Description |
|-------------|--|
| DVP-7640E | 8-ch H.264 PCIe Video Capture Card with SDK |
| DVP-7650E | 16-ch H.264 PCIe Video Capture Card with SDK |

Packing List

| Item | Amount |
|---------------------------------------|--------------------------------------|
| DVP-7640E/ DVP-7650E Capture Card | 1 (piece) |
| Audio/Video cable (DVI-I male header) | 1(7640E) (piece) 2(7650E) (piece) |
| Watchdog Cable (Option) | 1 (piece) |