

PCIe-HDV62A/PXIe-HDV62A

One Channel PCI Express®/PXI Express® HDMI Video & Audio Capture Cards



PCIe-HDV62A



PXIe-HDV62A



Introduction

ADLINK's PCIe-HDV62A/PXIe-HDV62A series high definition video and audio capture cards enable single-card acquisition of full analog/digital video and digital audio signals. Featuring uncompressed full HD up to 1080p at 60 fps and 10-bit high-resolution ADC and HDCP support, the PCIe-HDV62A/PXIe-HDV62A series deliver serious benefits and reduced TCO for applications requiring simultaneous capture from both video and audio sources, such as multimedia device testing and medical imaging.

What's more, the PCIe-HDV62A/PXIe-HDV62A not only deliver uncompressed high-definition video data from DVI or HDMI, but also provide an analog video decoder comprehensively supporting RGB, CVBS, S-video and YPbPr, with an integrated audio decoder for HDMI and S/PDIF capture, providing a highly integrated solution.

HDV62A I/O Bracket (Optional)

- ◆ D-SUB9 female for CVBS and S-Video
- ◆ BNC x3 for YPbPr



Features

- Uncompressed 1920 x 1080p, 60 fps video stream
- Support for CVBS, S-video, RGB and YPbPr video input
- Support for HDMI/DVI video and HDMI, S/PDIF audio inputs
- Support for 24-bit RGB or YUV 4:4:4
- Support for HDCP (PCIe-HDV62A/PXIe-HDV62A only)
- 32/64-bit Direct SDK support

Applications

- Medical imaging
- Multimedia video/audio testing

Software Support

- **OS Information**
 - Windows® 8/7/XP
- **Software Compatibility**
 - Microsoft® DirectX
 - LabVIEW™
 - C#/.NET/VC++/VB/C++ Builder/Delphi
- **Software Recommendations**
 - ADLINK ViewCreatorPro™

Ordering Information

- **PCIe-HDV62**
I-CH PCI Express® HDMI video capture card
- **PCIe-HDV62A**
I-CH PCI Express® HDMI video / audio capture card
- **PXIe-HDV62A**
I-CH PXI Express® HDMI video / audio capture card

Optional Accessories

- **HDV62A I/O bracket**
YPbPr, S-video and CVBS I/O
- **DVI – DVI and VGA cable**
DVI-I to VGA and DVI-D cable
- **HDV62A DB9F to S-Video & RCA**
D-sub to S-video and RCA cable
- **HDV62 DB9F - RCA x 3**
D-sub to YPbPr cable

Specifications

■ Form Factor	PCIe-HDV62/PCIe-HDV62A: PCI Express® x4 compliant PXIe-HDV62A: PXI Express® specification Rev. 1.0 compliant
■ Video Input	Digital: DVI I.0, HDMI 1.3 Analog: PCIe-HDV62: YPbPr and RGB PCIe-HDV62A/PXIe-HDV62A: RGB, YPbPr, CVBS, S-video
■ Video Input Format	HD: 720p@50 fps, 720p@60 fps 1080i@25 fps, 1080i@30 fps 1080p@25 fps, 1080p@30 fps 1080p@50 fps, 1080p@60 fps SD: 720 x 576@25 fps PAL, 720 x 480@30 fps NTSC (PCIe-HDV62A/PXIe-HDV62A only)
■ Pixel Output Format	RGB: 32-bit RGB*, 30-bit RGB*, 24-bit RGB YUV: 4:4:4 or 4:2:2 Monochrome: 8-bit Y
■ Audio Input	S/PDIF, HDMI (PCIe-HDV62A/PXIe-HDV62A only)
■ Connectors	DVI: DVI-D, HDMI & RGB with sync input D-SUB on I/O Bracket: CVBS, S-Video (PCIe-HDV62A only) BNC on I/O Bracket: YPbPr (PCIe-HDV62A only) Toslink & RCA: S/PDIF (PCIe-HDV62A/PXIe-HDV62A only)
■ Operating Environment	Temperature: 0 to 55°C (32°F to 131°F) Humidity: 5% to 90% RHNC
■ Storage Environment	Temperature: 0 to 70°C (32°F to 158°F) Humidity: 0 to 95% RHNC
■ Power Requirements	+12 V max @ 0.5 A, +3.3 V max @ 2 A
■ Dimensions (not including connectors)	174.62 x 111.15 mm (W x L) (6.81" x 4.33")
■ Slot Requirement	1 peripheral slot: PCIe-HDV62, PCIe-HDV62A 2 peripheral slots: PCIe-HDV62A with I/O bracket, PXIe-HDV62A