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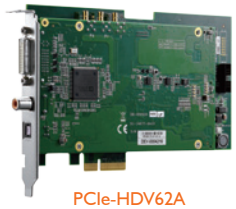
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HDV62A Series

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



PCIe-HDV62A



PXIe-HDV62A



Introduction

ADLINK's HDV62A series high definition video and audio capture cards enable single-card acquisition of full analog/digital video and digital audio signals (PCIe-HDV62A/PXIe-HDV62A only). Featuring uncompressed full HD up to 1080p at 60 fps and 10-bit high-resolution ADC and HDCP support (PCIe-HDV62A/PXIe-HDV62A only), the 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#/VB.NET/MFC/C++ Builder

Software Recommendations
- ADLINK ViewCreatorPro™

Ordering Information

PCIe-HDV62
1-CH PCI Express® HDMI video capture card

PCIe-HDV62A
1-CH PCI Express® HDMI video / audio capture card

PXIe-HDV62A
1-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 1.0, 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

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