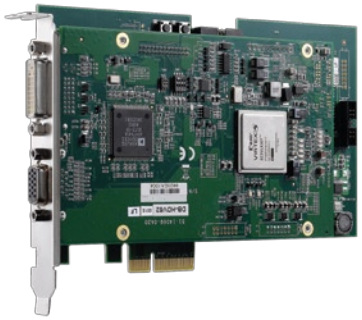
HDV62

1-CH PCI Express® HDMI Video Capture Card





Introduction

The HDV62 is a PCI Express frame grabber offering uncompressed image acquisition and video streaming in full 1080p HD.

The ADLINK HDV62 provides 1920x1080p resolution, progressive scan, and noise reduction for greater image quality. Equipped with a field programmable gate array (FPGA) and 512 MB memory buffer, the HDV62 offers the ability to stream uncompressed image to the host PC, in addition to color space conversion in real-time via on-board hardware in order to offload repetitive tasks from the host CPU.

Based on the PCI Express x4 form factor, the HDV62 is specifically designed for medical imaging, scientific imaging, and military application system integrators by providing uncompressed video streaming up to 1920x1080p at 60 fps and lossless pixel information for both spatial and frequency domain analysis.

Features

- **Uncompressed 1920 x 1080p, 60 fps video streams**
- **Supports both digital, and component analog video inputs**
- **PCI Express® x4 interface**
- **Hardware color space conversion**
- **512 MB of DDR2 SDRAM frame buffer**
- **Configurable EDID**
- **4 TTL digital inputs/outputs and 1 trigger output**
- **Direct SDK support**

Applications

- **Medical imaging**
- **Scientific imaging**
- **HDMI video testing**
- **Multimedia device testing**

Software Support

Windows® Platform

- Windows® Vista/XP/7
- Microsoft® DirectX

ViewCreatorPro™

- ViewCreatorPro assists developers in evaluating initial tests and functions.

Ordering Information

HDV62
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Specifications

Form Factor	PCI Express® x4 compliant
Video Input	Digital: DVI 1.0, HDMI 1.3 (non-HDCP and non-Audio)
	Analog: RGB, YPbPr
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 486 @ 30 fps NTSC
Pixel Output Format	RGB: 32-bit RGB
	30-bit RGB
	24-bit RGB
	YUV: 24-bit 4:4:4 YCbCr
	16-bit 4:2:2 YCbCr
	Monochrome: 8-bit Y
Frame Buffer	DDR2, 512 MB
Digital Input/Output	4 TTL input, 4 TTL output (input with interrupt)
Connector	DVI-I: DVI-D and RGB with sync input
	DSUB9 Female: YPbPr
Operating Environment	Temperature: 0 to 55°C
	Humidity: 5% to 90% RHNC
Storage Environment	Temperature: 0 to 70°C
	Humidity: 0 to 95% RHNC
Power Requirements	+12 V max @ 0.5 A, +3.3 V max @ 2 A
Dimensions	174.62 mm x 111.15 mm (W x L)

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