

HDV62

Full HD 1080p Video Capture Card



Coming Soon



Overview

The HDV62 is a full high-definition frame grabber that is based on the PCI Express[®] x4 interface and supports digital DVI or SDI inputs.

ADLINK's HDV62 delivers superior quality of high-definition video to medical imaging, video surveillance, and multimedia applications. Equipped with an FPGA (Field Programmable Gate Array) and 512 MB memory buffer, the HDV62 provides graphical overlays features and the ability to stream imaging of a specified area to the host PC without any additional CPU loading.

Features

- Resolutions up to 1920 x 1080p, 60 fps
- PCI Express[®] x4 interface
- 16:9 wide aspect ratio video format
- Supports standard definition and high-definition video input
- Supports RGB, YUV, and monochrome pixel output formats
- 512 MB of DDR2 SDRAM frame buffer
- Supports graphical overlays and stream imaging of a specified area
- Configurable EDID
- Supports 64-bit memory addressing
- 4 TTL digital inputs/outputs and 1 trigger output

Applications

- Medical imaging
- Scientific imaging
- Broadcast
- Military & defense
- Video surveillance

Software Support

Windows[®] Platform

- Windows[®] Vista/XP (64/32-bit)
- Microsoft[®] DirectX

Linux[®] Platforms

- Ubuntu 8.04 LTS (64/32-bit)
- V4L2

ViewCreatorPro[™]

- ViewCreatorPro assists developers in evaluating initial tests and functions.

Ordering Information

HDV62

I-CH Full HD 1080p video capture card, DVI input

HDV62S

I-CH Full HD 1080p video capture card, HD-SDI input

Specifications

	HDV62	HDV62S
Form Factor	PCI Express [®] x4 compliant	
Video Input	DVI	HD-SDI/SDI
Video Input Format	HD: 720p@25 fps, 720p@30 fps, 720p@50 fps, 720p@60 fps 1080i@25 fps, 1080i@30 fps 1080p@25 fps, 1080p@30 fps, 1080p@50 fps, 1080p@60 fps	
Pixel Output Format	SD: 720 x 576@25 fps PAL 720 x 486@30 fps NTSC RGB: 32-bit RGB 30-bit RGB 24-bit RGB YUV: 24-bit 4:4:4 YCbCr 20-bit 4:2:2 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 & RGB with sync input	BNC: HD-SDI/SDI
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 0.8 A, +3.3 V max 2.5 A	
Dimensions	174.62 mm x 111.15 mm (W x L)	