HDV62

HDTV Frame Grabber





Introduction

The HDV62 is a full high-definition frame grabber that is based on the PCI Express® x4 interface and acquires uncompressed image and video streams from both HD (High Definition) and SD (Standard Definition) video up to a 170 MHz DVI input, in addition to RGB and YPbPr component analog inputs.

ADLINK's HDV62 delivers the superior quality of high definition video to medical imaging, scientific imaging, and military applications. Equipped with an FPGA (Field Programmable Gate Array) and 512 MB memory buffer, the HDV62 provides the ability to stream image of a specified area to the host PC, and real-time hardware color space conversion to offload repetitive tasks from the host CPU.

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

Applications

- Medical imaging
- Scientific imaging
- Military & defense
- Video surveillance
- HD video testing

Software Support

Windows® Platform

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

ViewCreatorPro™

- ViewCreatorPro assists developers in evaluating initial tests and functions.

Ordering Information

HDV62
1-CH HDTV frame grabber

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
	20-bit 4:2:2 YCbCr
	16-bit 4:2:2 YCbCr
	Monochrome: 8/10-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)

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000