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 (HDV62A/PXIe-HDV62A only). Featuring uncompressed full HD up to 1080p at 60 fps and 10-bit high-resolution ADC and HDCP support (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 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.

Specifications

- Form Factor
  - HDV62/HDV62A: PCI Express® x4 compliant
  - PXIe-HDV62A: PXI Express® specification Rev. 1.0 compliant

- Video Input
  - Digital: DVI 1.0, HDMI 1.3
  - Analog: HDV62: YPbPr and RGB
    - HDV62A/PXIe-HDV62A: RGB, YPbPr, CVBS, S-video

- Video Input Format
  - HD: 720p@50 fps, 720p@60 fps
  - 1080i@25 fps, 1080p@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
    - (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 (HDV62A/PXIe-HDV62A only)

- Connectors
  - DVI: DVI-D, HDMI & RGB with sync input
  - D-SUB on I/O Bracket: CVBS, S-Video (HDV62A only)
  - BNC on I/O Bracket: YPbPr (HDV62A only)
  - Toslink & RCA: S/PDIF (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
  - 2 peripheral slots (HDV62A w/I/O bracket, PXIe-HDV62A)

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ADLINK Technology:

HDV62A