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Data Sheet

August 15, 2026

ADLINK

Adlink PCIe-HDV62 1-Channel HDMI Video PCIe Capture Card

The Adlink PCIe-HDV62 is a 1-channel HDMI video capture card designed for PCIe interface. It allows users to capture high-definition video from HDMI sources. Ideal for applications such as video recording, streaming, and analysis, this capture card ensures reliable performance and high-quality video acquisition.



MODEL

Adlink PCIe-HDV62

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PCIe-HDV62

LISTING

<https://aumictechlabs.com/products/pci-hdv62-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ADLINK PCIe-HDV62 is a single-channel PCI Express video capture card engineered for high-definition video acquisition across digital and analog sources. It captures uncompressed video streams at resolutions up to 1920 × 1080p and 60 fps with 24-bit RGB or YUV 4:4:4 bit depth, delivering frame-by-frame fidelity for demanding imaging applications. Technical Specifications Video Capture Resolution: Up to 1920 × 1080p Frame rate: Up to 60 fps Bit depth: 24-bit RGB or YUV 4:4:4 Compression: Uncompressed Progressive scan: Supported Noise reduction: Included Input InterfacesThe card accepts both digital and analog video sources. Digital inputs include DVI 1.0 (up to 170 MHz) and HDMI 1.3. Analog component inputs support RGB with sync and YPbPr via D-Sub 15-pin connectors. Composite video (CVBS) and S-Video inputs connect through DB9

female connectors. Audio acquisition uses HDMI and S/PDIF digital inputs. Pixel Output Formats RGB YUV Monochrome Hardware-based color space conversion executes in real time, offloading processing demands from the host CPU. Hardware ArchitectureThe card operates on a PCI Express x4 interface with 512 MB DDR2 SDRAM frame buffer and 64-bit memory addressing. An onboard Field-Programmable Gate Array (FPGA) handles signal processing tasks.

Key Features

- High-bandwidth Digital Content Protection (HDCP) support
- Configurable EDID/DDC programming and update capability
- 4 TTL digital inputs/outputs plus 1 TTL trigger output
- Microsoft DirectShow compatibility for software integration
- 32/64-bit Direct SDK support
- Standard PCIe form factor; dimensions 175 × 111 mm

Typical Applications

The PCIe-HDV62 serves medical imaging, scientific research, military systems, industrial video surveillance, and multimedia device testing environments where uncompressed, high-fidelity video acquisition is critical.

Compatibility & Integration

Supported operating systems include Windows Vista, XP, 7, and 8 (both 32-bit and 64-bit editions), plus Ubuntu 8.04 LTS (32/64-bit). DirectShow compatibility accelerates third-party software development and system integration.

PCIEHDV62 Characteristics / Specifications

PARAMETER	VALUE
Model	PCIe-HDV62
Instrument Type	HD video frame grabber
Bus Interface	PCI Express x4
Maximum Resolution	1920 × 1080p
Maximum Frame Rate At 1080p	60 fps
DVI Input Bandwidth Class	170 MHz
Digital Video Inputs	DVI 1.0 HDMI 1.3 non HDCP non audio
Analog Video Inputs	RGB YPbPr
HD Formats	720p50 720p60 1080i25 1080i30 1080p25 1080p30 1080p50 1080p60
SD Formats	720 × 576 at 25 fps PAL 720 × 486 at 30 fps NTSC
Pixel RGB Formats	32 bit 30 bit 24 bit RGB
Pixel YUV Formats	24 bit 4:4:4 and 16 bit 4:2:2
Monochrome Format	8 bitYFrame Buffer: 512 MB DDR2
Digital IO	4 TTL in 4 TTL out with interrupt on inputs
Trigger Outputs	1
Connector Digital Analog Sync	DVI-I
Connector YPbPr	DSUB9 female
Board Width	174.62 mm
Board Length	111.15 mm
Power Plus 12 V Max	0.5 A
Power Plus 3.3 V Max	2 A
Operating Temperature	0 to 55 C
Bandwidth	Class: 170 MHz

PCIEHDV62 Specifications

PARAMETER	VALUE
Key Features	Uncompressed 1080p60 streaming
Hardware RGB YUV and monochrome conversion	512 MB DDR2 frame buffer
Technical Specifications	Model: PCIe-HDV62
Notes	Numeric rows from ADLINK HDV62 / PCIe-HDV62 datasheet and user manual.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 55 C
Operating Temperature	0 to 55 C

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Technical Specifications	
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Notes

Numeric rows from ADLINK HDV62 / PCIe-HDV62 datasheet and user manual.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.