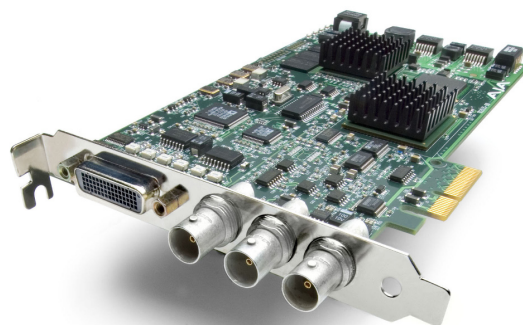


OEM-LH

PCI and PCIe Card
for 8/10-bit Uncompressed
Analog and Digital SD, HD I/O



PRECISION 10-BIT QUALITY, UNMATCHED FEATURES

The OEM-LH is AJA's award winning platform for analog and digital uncompressed audio and video I/O. OEM-LH is compatible with Windows Vista, XP, and Linux via our robust and proven SDK environments for each of these platforms. Like all of our products, OEM-LH is built to the highest specifications offering true broadcast-level performance within your systems and applications.

The OEM-LH is the world's only PCI card that includes both analog and digital SD/HD input and output. OEM-LH is a true dual-rate SD/HD card, via it's hardware-based 10-bit SD to HD down-converter, that is available on any and all inputs or outputs. Available now in two configurations; the OEM-LH for PCI and PCI-X compatible systems, and the OEM-LHE for PCIe systems.

Major Features

- 8/10-bit Uncompressed SD/HD PCI I/O Card
- Available in PCI-66/64 (OEM-LH model)
- Available in PCI-e 4-Lane (OEM-LHE model)
- 12-bit HD Analog Component I/O
- 12-bit SD Analog Component/Composite/S-Video I/O
- 10-bit Hardware HD to SD Downconversion
- SDI or HD-SDI Input, 2 Independent SDI/HD-SDI Outputs
- 2-ch Balanced XLR AES Digital Audio I/O, 24-bit 48khz
- 2-ch Balanced XLR Analog Audio I/O, 24-bit 48khz
- 8-ch SDI Embedded Audio I/O, 20-bit 48khz
- HD/SD Genlock
- RS-422 9-pin Port for Machine Control
- Cables Standard, KL-Box Breakout Optional
- 3-year warranty

MULTIPLE OS SUPPORT, COMMON API, ROBUST SDK

OEM-LH is compatible with Windows Vista, XP, and Linux via our SDK (Software Development Kit), sharing one unified API (Application Programming Interface). This common API means less time developing if you are developing on multiple platforms and even multiple AJA cards. Our SDK's are feature rich and proven through the years.

Our SDK supports multiple OS's, including:

- Windows Vista 32-bit
- Windows Vista 64-bit
- Windows XP 32-bit
- Windows XP 64-bit
- Linux 32-bit
- Linux 64-bit

A more in-depth overview of our SDK can be found on our website, as well as in our OEM Overview whitepaper. Please contact us for more information, as well as additional information on our entire line OEM cards.

Please continue for technical information on the OEM-LH.



www.aja.com
530.274.2048
800.251.4224 US

SPECIFICATIONS

OEM-LH

PCI and PCI-X compatible

OEM-LHe

PCIe 4-lane compatible

Video Input

Digital:

HD-SDI/SDI, SMPTE-259/292/296

Analog:

SD and HD Input, BNC

HD: YPbPr, RGB

SD: YPbPr, RGB (component mode)

Composite/YC (composite mode)

12-bit A/D

Video Output

SD and HD Output, BNC

YPbPr, RGB

SD: YPbPr, RGB (component mode)

Composite/YC (composite mode)

12-bit D/A

Video Formats

SD:

525i 29.97

625i 25

HD:

720p 50

720p 59.94

720p 60

1080i 25

1080i 29.97

1080i 30

1080p 23.976

1080psf 23.976

1080p 24

1080psf 24

1080p 25

1080psf 25

1080p 29.97

1080psf 29.97

1080p 30

1080psf 30

Audio Input

2-channel 16/24/32-bit AES/EBU sample rate

synchronous or Non-synchronous

sample rate conversion)

16/24/32-bit SMPTE-259 SDI embedded

audio, 8-Ch, 48kHz synchronous

Analog:

2-channel balanced input

+24dbu Full Scale Digital

16/24/32-bit A/D, 48 KHz sample rate

+/- 0.2db 20 to 20 KHz Frequency Response

Audio Output

Digital:

2-channel 16/24/32-bit AES/EBU, 48KHz sample rate

16/24/32-bit AES/EBU, 48 KHz sample rate

16/24/32-bit SMPTE-259 SDI embedded

audio, 8-Ch, 48 KHz synchronous

Analog:

2-channel balanced output

+24dbu Full Scale Digital

16/24/32-bit D/A, 48 KHz sample rate

+/- 0.2db 20 to 20 KHz Frequency Response

Down-Conversion

Hardware 10-bit output, 16/24/32-bit internal processing

Anamorphic: full-screen

Letterbox: image is reduced with black top and bottom added to image area with the aspect ratio preserved

Crop: image is cropped horizontally

Machine Control

RS-422, Sony 9-pin protocol Connector provided on OEM-LH/LHe breakout cable and on optional KL-Box.

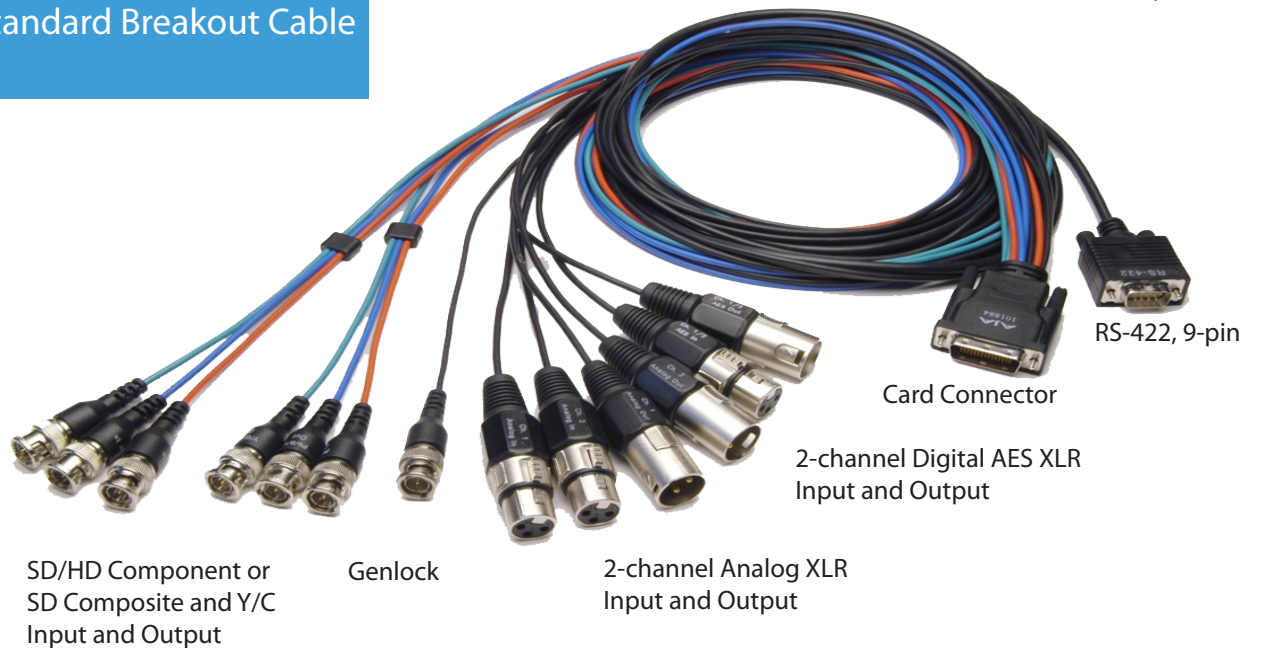
Reference

Analog Color or HD Tri-level

1 BNC on standard breakout cable (75 ohm terminating)

KL-Box (optional): 2 BNCs, passive loop

Standard Breakout Cable



optional KL-BOX breakout box



About AJA Video Systems, Inc.

Since 1993, AJA Video has been a leading manufacturer of high-quality and cost-effective digital video interface, conversion and Desktop solutions supporting the professional broadcast and post-production markets.

AJA is headquartered in Grass Valley, California, For further information, please see our website at www.aja.com

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