

# OEM Products Linecard

## OEM LS

SD, Analog, Digital



The OEM-LS board supports SD video with 1 input and 1 output as well as a separate analog reference input. On the video input, you can choose between analog and SDI video. On output you get both SDI and analog versions of the video. The board also supports AES, analog and embedded audio. Available in PCI and PCIe configurations.

## OEM LH

SD, HD, Analog, Digital



The OEM-LH board has the features of the OEM-LS, plus HD video I/O, codec pre-processing and 10-bit downconversion. The OEM-LH supports SD and HD. Available in PCI and PCIe configurations.

## OEM 2K

SD, HD, 2K, Digital, Analog Output



The OEM-2K board supports SD, HD and 2K video. The board has 2 SDI inputs and 2 SDI Outputs as well as an Analog Video Output. It also supports up, down and cross conversion. For audio, you can choose between 8-channel AES or 16 channel embedded. Available in PCI-X and PCIe configurations.

## OEM HS

SD, HD, Digital



The OEM-HS supports both SD and HD serial digital video I/O. It has one SDI video input, one SDI video output as well as 6-channel AES and embedded audio I/O.

QUALITY, RELIABILITY, PERFORMANCE...FROM A COMPANY YOU CAN TRUST

AJA OEM solutions are compatible with Windows XP and Linux via our SDK (Software Development Kit), sharing one unified API (Application Programming Interface) AJA OEM solutions are feature rich and proven through the years in multitudes of installations..

Our products are built to the highest specifications offering true broadcast-level performance within your systems and applications.

Please see page two of this brochure for further information.

**AJA**<sup>®</sup>  
VIDEO SYSTEMS

800.251.4224  
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## Summary Matrix

This matrix compares the features of many OEM boards. Please note, however, that there are many OEM options available for developers. Please contact an AJA OEM Sales Manager to discuss application and feature sets.

Most boards have:  
 48 kHz audio (if audio is on the board)  
 Genlock via digital input  
 RP-188  
 8/10-bit YCbCr support  
 Windows and Linux SDKs  
 Windows and Linux 32/64-bit drivers  
 Windows DirectShow Filters  
 Linux 2.4/2.6 Kernel support

HD Formats:  
 1080i 50.00/59.94/60.00  
 720p 59.94/60.00/50.00  
 1080psf 23.98/24.00  
 1080p 23.98/24.00/29.97/30.00  
 (note: not all boards support all formats)

SD Formats:  
 525 59.94, 625 50.00  
 (note: not all boards support all formats)

2K Formats:  
 2048 x 1080p 23.98  
 2048 x 1080p 24  
 2048 x 1080psf 23.98  
 2048 x 1080psf 24  
 2048 x 1556psf 14.98  
 2048 x 1556psf 15

Product	OEM-LS (e)	OEM-LH (e)	OEM-2K (e)	OEM-HS
2K	—	—	yes	—
HD	—	yes	yes	yes
SD	yes	yes	yes	yes
DualLink	—	—	yes	—
PCI Interface	PCI-64/66	PCI-64/66	PCI-X 133	PCI-64/66
PCIe Interface	4-lane	4-lane	4-lane	—
Number Busmaster DMA Engines	3	3	3	3
Number SDI Inputs	1	1	2	1
Number SDI Outputs	2	2	2	1
Number Analog Inputs	1	1	0	0
Number Analog Outputs	1	1	1	0
Analog Reference Inputs	yes	yes	yes	yes
Simultaneous I/O	yes*	—	yes	yes
Qrez Compression	—	yes	—	—
DVCProHD PreProcessing	—	yes	yes	—
Video Processing	—	yes	yes	yes
Color Correction	—	—	yes	yes
Number of Frames of Video	32	16	32	32
Number Independent FrameStores	2	1	2	2
Color Space Converter on Second Frame Store	—	—	—	—
Up Converter	—	—	yes	—
Down Converter	—	yes	yes	—
VANC Support	yes	yes	yes	yes
Video/Key Out	yes	yes	yes	—
Video/Key In	—	—	yes	—
AES Audio	2 channels	2 channels	8 channels	6 channels
Embedded Audio	6 channels	8 channels	16 channels	6 channels
Analog Audio	2 channels	2 channels	—	—
96khz Audio support	—	—	yes	—
RS-422 Port	yes*	yes	yes	—
RP-188 Support	—	yes	yes	yes

\*OEM-LS: if RS-422 Port is used, a separate bit file is required and simultaneous I/O is then not possible.

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