

OEM Products Linecard

OEM SD11

SD
Digital



The SD11 supports SMPTE 259M, offering one SDI video input, one SDI video output, as well as AES and embedded digital audio I/O.

OEM-LS

SD
Analog
Digital



OEM-LS adds analog video and analog audio I/O to the feature set of the SD11. Available in PCI and PCIe configurations.

OEM SD22

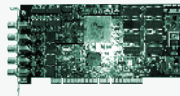
SD
Digital



The SD22 is similar to the SD11, but offers 2 video inputs and 2 video outputs. The SD 22 has no audio capabilities.

OEM HD22V

HD
Digital



The HD22V is similar to the HD 22A, but does not have audio capabilities, color-correction or dual-link capability. The HD22V supports HD.

OEM HD22A

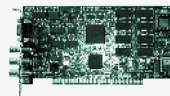
HD 2K
Digital



The HD 22A offers 2 video inputs, 2 video outputs, and an analog reference input. It also includes an audio mezzanine that supports 8 channels of AES and embedded audio as well as an RS422 port. The HD22A supports HD and 2K.

OEM-HS

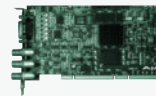
SD HD
Digital



The OEM-HS supports both SD and HD Serial Digital Video I/O. It has 1 SDI video input, 1 SDI video output, as well as 6-ch. AES and embedded audio I/O.

OEM-LH

SD HD
Digital
Analog



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

OEM-2K

SD HD 2K
Digital
Analog



The OEM-2K board supports SD, HD, and 2K video. You can choose between 2 SDI inputs. On output you can have both SD/HD SDI and SD/HD Analog video. It also has an upconverter or downconverter available. For audio, you can choose between 8-ch. AES or embedded. Available in PCI-X and PCIe configurations

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.



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530.274.2048
800.251-4224 US

OEM Product Summary

The following matrix shows many OEM boards and the comparative features found on each. Please note however, that there are many options available for OEMs and developers. Please contact an AJA OEM Sales Manager to discuss desired applications 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 Driver
Linux 2.4/2.6 Kernel Support

HD Formats: 1080i 50.00/59.94/60.00,
720p 59.94/60.00/50.00
1080p sf 23.98/24.00,
1080p 23.98/24.00/29.97/30.00

SD Formats: 525 59.94, 625 50.00

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 Feature	OEM SD11	OEM-LS (e)	OEM SD22	OEM HD22V	OEM HD22A	OEM-HS	OEM-2K (e)	OEM-LH (e)
2K	—	—	—	yes	yes	—	yes	—
HD	—	—	—	yes	yes	yes	yes	yes
SD	yes	yes	yes	—	—	yes	yes	yes
DualLink	—	—	—	yes	yes	—	yes	—
PCI Interface	PCI-64/33	PCI-64/66	PCI-64/66	PCI-64/66	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	3	3	4	3
Number SDI Inputs	1	1	2	2	2	1	2	1
Number SDI Outputs	1	2	2	2	2	1	2	2
Number Analog Inputs	0	1	0	0	0	0	0	1
Number Analog Outputs	0	1	0	0	0	0	1	1
Analog Reference Inputs	yes (1)	yes	yes	yes	yes	yes	yes	yes
Simultaneous I/O	yes	yes*	yes	yes	yes	yes	yes	—
Qrez Compression	—	—	—	—	—	yes	yes	yes
DVCProHD PreProcessing	—	—	—	—	—	—	yes	yes
Video Processing	yes	—	yes	yes	yes	yes	—	yes
Color Correction	—	—	—	yes	yes	yes	16	—
Number of Frames of Video	64	32	64	32	32	32	2	32
Number Independent FrameStores	2	2	2	2	2	2	2	1
Color Space Converter on Second Frame Store	—	—	yes	yes	yes	—	—	—
Up Converter	—	—	—	—	—	—	yes	—
Down Converter	—	—	—	—	—	—	yes	yes
VANC Support	yes	yes	yes	yes	yes	yes	yes	yes
Video/Key Out	—	—	yes	yes	yes	—	yes	yes
Video/Key In	—	—	yes	yes	yes	—	yes	—
AES Audio	yes	2 channels	—	—	8 channels	6 channels	8 channels	2 channels
Embedded Audio	yes	6 channels	—	8 channels	8 channels	6 channels	16 channels	8 channels
Analog Audio	—	2 channels	—	—	—	—	—	2 channels
96khz Audio support	—	—	—	—	yes	—	yes	—
RS-422 Port	—	yes*	—	—	yes	—	yes	yes
RP-188 Support	yes	—	yes	yes	yes	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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oemsales@aja.com