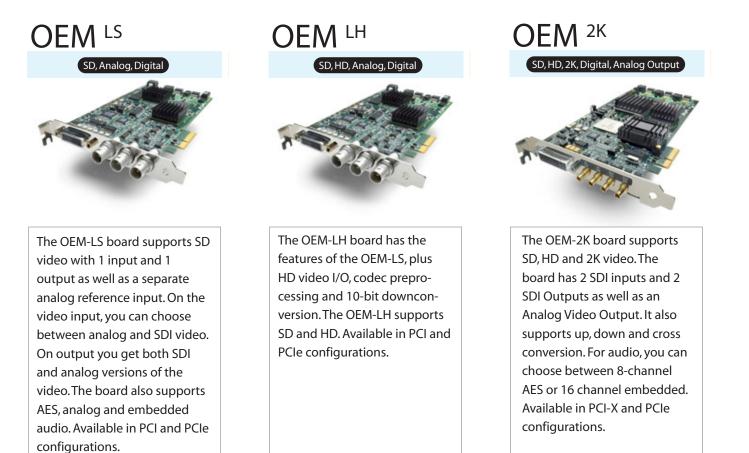
## **OEM Products Linecard**





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.



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## **OEM Products Linecard**

| Summary Matrix                             | Product   | OEM-LS (e) | OEM-LH (e) | OEM-2K (e)  | OEM-HS     |
|--|---|------------|------------|-------------|------------|
| This matrix compares the features of       | 2К  | _          | _          | yes         | _          |
| many OEM boards. Please note,              | HD  | _          | yes        | yes         | yes        |
| however, that there are many OEM           | SD  | yes        | yes        | yes         | yes        |
| options available for developers. Please   | DualLink  | —          | —          | yes         | _          |
| contact an AJA OEM Sales Manager to        | PCI Interface   | PCI-64/66  | PCI-64/66  | PCI-X 133   | PCI-64/66  |
| discuss application and feature sets.      | PCIe Interface  | 4-lane     | 4-lane     | 4-lane      | —          |
|  | Number Busmaster DMA Engines  | 3          | 3          | 3           | 3          |
| Most boards have:                          | Number SDI Inputs   | 1          | 1          | 2           | 1          |
| 48 kHz audio (if audio is on the board)    | Number SDI Outputs  | 1<br>2     | 1<br>2     | 2<br>2      | 1          |
| Genlock via digital input                  | Number Analog Inputs  | 2          | 2          | 2           | 0          |
| RP-188                                     | Number Analog Outputs   | 1          | 1          | 1           | 0          |
| 8/10-bit YCbCr support                     | Analog Reference Inputs   | yes        | yes        | yes         | yes        |
| Windows and Linux SDKs                     | , and grieference inputs  | yes        | yes        | yes         | yes        |
| Windows and Linux 32/64-bit drivers        | Simultaneous I/O  | yes*       | _          | yes         | yes        |
| Windows DirectShow Filters                 | Qrez Compression  |            | yes        | _           | ,<br>      |
| Linux 2.4/2.6 Kernel support               | DVCProHD PreProcessing  | _          | yes        | yes         | _          |
|  | Video Processing  | _          | yes        | yes         | yes        |
| HD Formats:                                | Color Correction  | —          | —          | yes         | yes        |
| 1080i 50.00/59.94/60.00                    | Number of Frames of Video   | 32         | 16         | 32          | 32         |
| 720p 59.94/60.00/50.00                     | Number Independent FrameStores  | 2          | 1          | 2           | 2          |
| 1080psf 23.98/24.00                        | Color Space Converter on Second Frame Store   | —          | —          | —           | _          |
| 1080p 23.98/24.00/29.97/30.00              |   |            |            |             |            |
| (note: not all boards support all formats) | Up Converter  | —          | —          | yes         | -          |
|  | Down Converter  |            | yes        | yes         | _          |
| SD Formats:                                | VANC Support<br>Video/Key Out   | yes        | yes        | yes         | yes        |
| 525 59.94, 625 50.00                       | Video/Key Out<br>Video/Key In   | yes        | yes        | yes         | _          |
| (note: not all boards support all formats) | video/ (ey in   | —          | —          | yes         | _          |
| (note, not all boards support all formats) | AES Audio   | 2 channels | 2 channels | 8 channels  | 6 channels |
| 2K Formats:                                | Embedded Audio  | 6 channels | 8 channels | 16 channels | 6 channels |
|  | Analog Audio  | 2 channels | 2 channels |             |            |
| 2048 x 1080p 23.98                         | 96khz Audio support   |            |            | yes         | _          |
| 2048 x 1080p 24                            |   |            |            | ,           |            |
| 2048 x 1080psf 23.98                       | RS-422 Port   | yes*       | yes        | yes         |            |
| 2048 x 1080psf 24                          | RP-188 Support  | _          | yes        | yes         | yes        |
| 2048 x 1556psf 14.98                       | *OEM-LS: if RS-422 Port is used, a separate bit file is required and simultaneous I/O is then not possible. |            |            |             |            |
| 2048 x 1556psf 15                          |   |            |            |             |            |

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