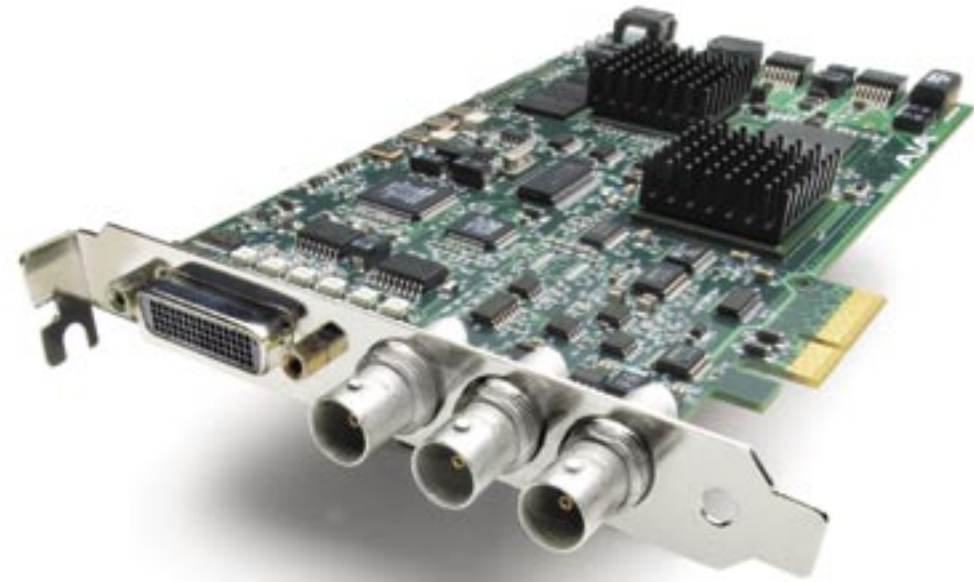## THE BEST SOLUTION FOR SD CAPTURE AND PLAYBACK

AJA-quality standard definition video capture and playback isn't just for the big guys. The affordably priced XENA LS is the perfect solution for capture, playback and printing video for non-linear editing and visual effects/motion graphics. Now, with XENA LS, everyone can enjoy the features, rock-solid video/audio, and factory support that exemplify all AJA products.

XENA LS supports 10-bit resolution SMPTE SDI, using your choice of many formats (TGA, TIFF, BMP, AVI or QuickTime). XENA LS also has great audio I/O support: 2-channel balanced XLR analog, 2-channel balanced XLR AES, and multi-channel embedded SDI audio. XENA LS includes hardware sample-rate conversion on AES inputs, eliminating source synchronizing requirements. And the optional KL-Box for XENA LS provides all the standard features of a cable in an easy-to-use 1RU rackmount panel.
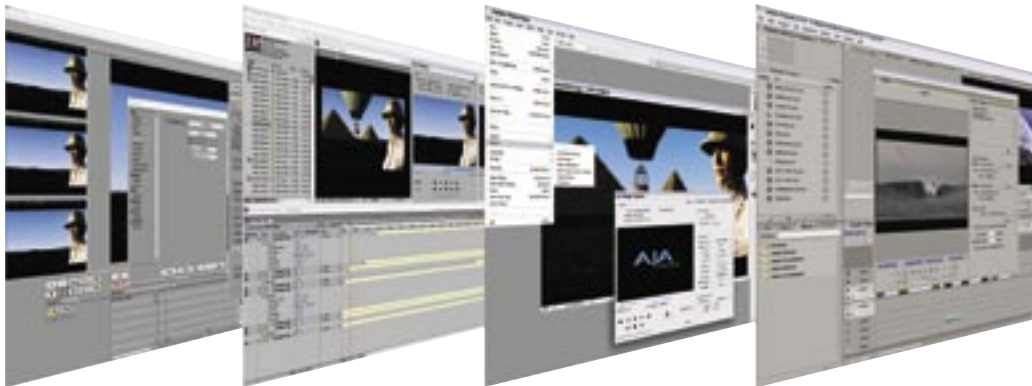

AJA Machina™ Application

XENA LSe Shown

AJA XENA PLUG-INS

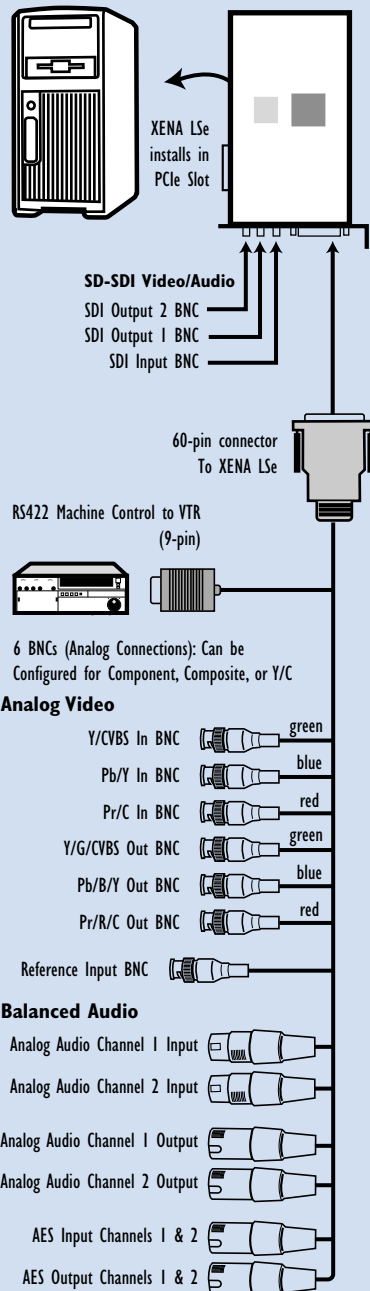Autodesk Combustion   After Effects   Adobe Photoshop   Adobe Premiere Pro
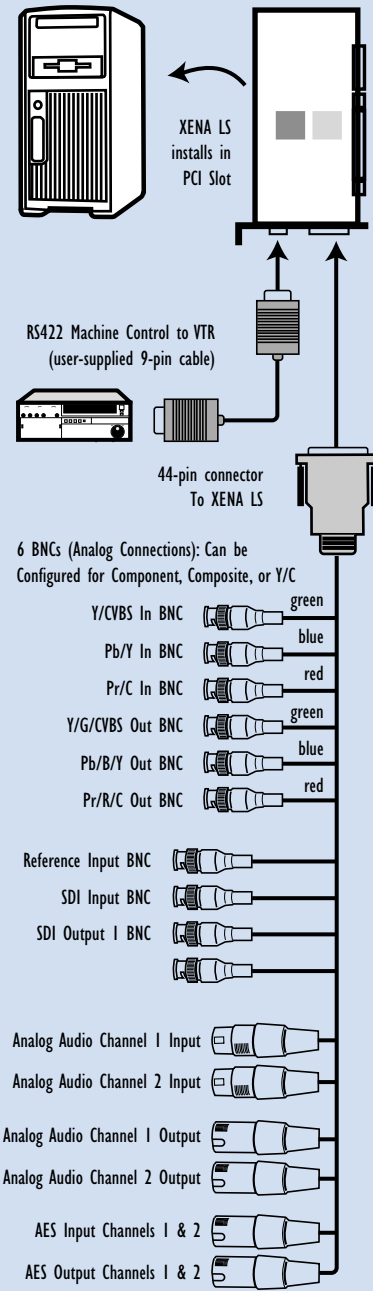
XENA LS FEATURES

• 12-bit component/composite/S-video analog I/O

• SDI input, 2 independent SDI outputs

• AES I/O, sample-rate conversion on input (2 channel, XLR)

• Balanced analog audio I/O (2 channel, XLR)

• 8-channel SDI embedded audio support

• Broadcast-quality TBC with VHS support

• Support for TGA, TIFF, BMP, AVI and QuickTime files

• Support for all popular standard definition formats (NTSC and PAL)

• Genlock and RS-422 machine control

• AJA Machina Software

• Adobe Premier Pro 2.0, Adobe After Effects 7.0, Photoshop CS/CS2, Autodesk Combustion 4 and Eyeon Fusion5 plugins and support

• Cables Standard, KL-Box Breakout Optional

• 3-year warranty

• Available in PCIe as XENA LSe

• Available in PCI compatible as XENA LS

XENA LSe Standard Breakout Cable

XENA LSe installs in PCIe Slot

60-pin connector To XENA LSe

SD-SDI Video/Audio
SDI Output 2 BNC
SDI Output 1 BNC
SDI Input BNC

RS422 Machine Control to VTR (9-pin)

6 BNCs (Analog Connections): Can be Configured for Component, Composite, or Y/C

Analog Video
Y/CVBS In BNC — green
Pb/Y In BNC — blue
Pr/C In BNC — red
Y/G/CVBS Out BNC — green
Pb/B/Y Out BNC — blue
Pr/R/C Out BNC — red

Reference Input BNC

Balanced Audio
Analog Audio Channel 1 Input
Analog Audio Channel 2 Input
Analog Audio Channel 1 Output
Analog Audio Channel 2 Output
AES Input Channels 1 & 2
AES Output Channels 1 & 2

XENA LS Standard Breakout Cable

XENA LS installs in PCI Slot

RS422 Machine Control to VTR (user-supplied 9-pin cable)

44-pin connector To XENA LS

6 BNCs (Analog Connections): Can be Configured for Component, Composite, or Y/C

Y/CVBS In BNC — green
Pb/Y In BNC — blue
Pr/C In BNC — red
Y/G/CVBS Out BNC — green
Pb/B/Y Out BNC — blue
Pr/R/C Out BNC — red

Reference Input BNC
SDI Input BNC
SDI Output 1 BNC

Analog Audio Channel 1 Input
Analog Audio Channel 2 Input
Analog Audio Channel 1 Output
Analog Audio Channel 2 Output
AES Input Channels 1 & 2
AES Output Channels 1 & 2

XENA|LSe

XENA LS AND XENA LSe SPECIFICATIONS

XENA LS
PCI compatible

XENA LSe
PCIe compatible

File Import/Export
Import (capture) and export (playback) standard file formats: TGA, TIFF, BMP, and AVI, QuickTime, WAV.

Video Formats
SD:
525i 29.97
625i 25

Video Input
Digital:
  8 or 10-bit SDI, SMPTE-259
Analog:
  SD: YPbPr, RGB (component mode)
    Composite/YC (composite mode)
  12-bit A/D

Video Output
Digital:
  8 or 10-bit SDI x2 BNC, SMPTE-259
Analog:
  SD: YPbPr, RGB (component mode)
    Composite/YC (composite mode)
  12-bit A/D

Audio Input
Digital:
  2-channel 16/24/32-bit AES/EBU, 48kHz sample rate
  Synchronous or Non-synchronous (Internal sample rate conversion)
  16/24/32-bit SMPTE-259 SDI embedded audio, 6-channel, 48kHz synchronous

Analog:
  2-channel balanced input
  +24dbu Full Scale Digital
  16/24/32-bit A/D, 48kHz sample rate
  +/- 0.2db 20 to 20kHz Frequency Response

Audio Output
Digital:
  2-channel 16/24/32-bit AES/EBU, 48kHz sample rate
  16/24/32-bit SMPTE-259 SDI embedded audio, 6-channel, 48kHz synchronous

Analog:
  2-channel balanced output (XLR)
  +24dbu Full Scale Digital (0dbFS)
  16/24/32-bit D/A, 48kHz sample rate
  +/- 0.2db 20 to 20kHz Frequency Response
  2-channel unbalanced output (RCA-jack): requires KL-Box option

Reference Input
Analog Color Black
1 BNC on standard breakout cable (75 ohm terminating)
KL-Box (optional): 2 BNCs, passive loop

Machine Control
RS-422, Sony 9-pin protocol
  Connector provided on XENA LS breakout cable and on optional KL-Box.

Incredible 3-Year Warranty
AJA Video warrants that XENA products will be free from defects in materials and workmanship for a period of three years from the date of purchase.

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.

With headquarters in Grass Valley, California, AJA maintains an extensive sales channel of dealers and systems integrators around the world. For further information, please see our website at www.aja.com

XENA LSe Breakout Cables (Supplied)

KL-Box for XENA LSe & LS (Optional)

Balanced Audio In Channels 1 & 2 | AES/EBU Audio In and Out | Serial Digital In | Composite/Component Video In | RS422 Machine Control

Balanced Audio Out Channels 1 & 2 | Serial Digital Out | External Reference (loop) | Composite/Component Video Out | Analog Audio Output

AS PASSIONATE AS YOU ARE

AJA
VIDEO SYSTEMS