

Mini-Converter Catalog Winter 2014



Because it matters.®



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Introduction

Complete Range of Standalone Converters

From production to post and live events, AJA Mini-Converters offer the most complete range of compact, standalone conversion and infrastructure solutions, designed to the highest standards in reliability and quality. Our converters cover a full range of 4K, HD and SD capabilities to meet your needs.



5 LEGENDARY
YEAR
WARRANTY

AJA Quality – Guaranteed

AJA Mini-Converters have earned a reputation for the highest quality and best levels of reliability. Built to the exacting standards of all AJA hardware, Mini-Converters are backed by our world-class support network, 5-year international warranty and AJA's advanced replacement policy.

Compact and Portable

AJA Mini-Converters are small enough to fit behind a monitor, in the back of a rack or directly on a camera rig. The locking power connector won't accidentally pull loose and an optional P-TAP power cable allows Mini-Converters that support 5-20v power to be battery-operated in remote locations.



Introduction

AJA Mini-Matrix

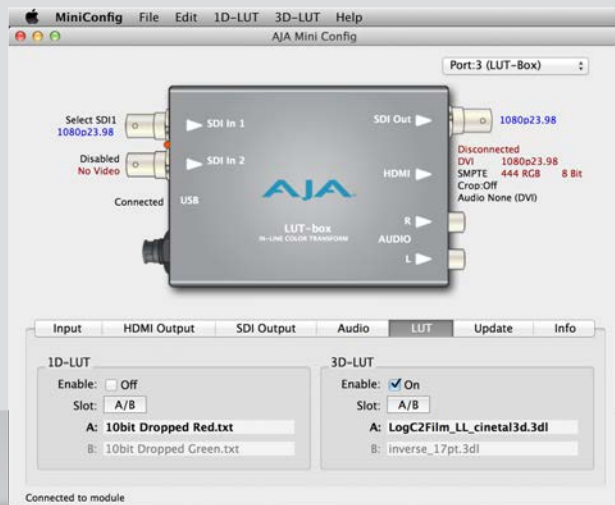
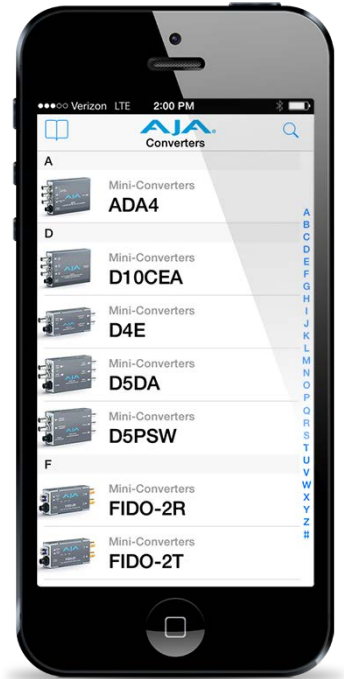
Find the right AJA Mini-Converter for any situation

Information on the complete line of AJA Mini-Converters is now available as a mobile app on iOS. The Mini-Converter product line is extensive and this app helps you find the right converter for any situation, wherever you are.

Individual products have links back to the main AJA website for more details and you can email product information directly from the app. The free AJA Mini Matrix app for iPad and iPhone is available now in the Apple iTunes Store.

[Download from App Store](#)

[Visit Mini-Matrix on AJA.com](#)



USB and MiniConfig Support

Visual configuration and control

AJA's free MiniConfig software can be used with any USB-enabled AJA Mini-Converter and provides an easy-to-use graphical interface with detailed information about the current input and output formats. Control all the parameters of any supported AJA Mini-Converter as well as loading firmware updates from AJA that add new features and functionality.

[Download MiniConfig](#)

SDI/HDMI Converters

Hi5-Plus

3G-SDI to HDMI Mini-Converter

Hi5-Plus is AJA's next generation SDI-to-HDMI Mini-Converter. Capable of handling 3G and Dual Link inputs, Hi5-Plus outputs Deep Color 30- and 36-bit video for driving HDMI monitoring solutions. Embedded audio is passed through to the output and a 2-channel RCA analog output allows easy audio monitoring without the need to extract the embedded audio.

\$395 US MSRP*

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Features:

- Easily integrate HDMI devices into SDI workflows
- 3G capability for high data rate signals
- Configurable via AJA MiniConfig software for Mac and PC
- Compact size fits easily in small spaces
- 16-channel embedded SDI and 8-channel HDMI audio
- 2-channel RCA analog audio output
- 5-20VDC power
- 5-year warranty

HA5-Plus

Integrate HDMI and SDI easily

HA5-Plus is AJA's next generation HDMI-to-SDI Mini-Converter. The HDMI input is converted to 3G-SDI output for driving SDI monitoring solutions. Up to eight channels of HDMI audio are passed through to the SDI output as well as the ability to embed two channels of analog audio.

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Features:

- HDMI to HD/SD-SDI
- Full HDMI support including embedded audio
- Equalized HDMI input supports long HDMI cables up to 30m, 24 gauge
- PLL clock filtering for low jitter HD/SD-SDI outputs
- Lock LED shows type of input source, SD (green) or HD (red)
- HDMI V1.2 standard
- 1m HDMI cable included
- DWP-U-R1 Power Supply Included
- 5-year warranty

SDI/HDMI Converters

Hi5

HD-SDI/SDI to HDMI Video and Audio Converter

The Hi5 converts SDI or HD-SDI to HDMI for driving HDMI monitors. Embedded SD/HD-SDI audio is supported in the HDMI output allowing a convenient single cable audio/video connection. The Hi5 provides 2-Channel RCA style audio outputs for separate audio monitoring if needed. The Hi5 also provides a looping SD/HD-SDI output useful for connecting additional equipment, or for “daisy chaining” multiple monitors to the same SD-HD-SDI source.

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Features:

- HD/SD-SDI to HDMI
- Full HDMI support including embedded audio
- Additional 2-channel RCA jack audio output
- Equalized looping HD/SD-SDI output
- No configuration necessary
- HDMI V1.2 standard
- 1m HDMI cable included
- DWP-U-R1 Power Supply Included
- 5-year warranty

HA5

HDMI to SD/HD-SDI Video and Audio Converter

The HA5 converts HDMI to SDI or HD-SDI. Two channels of HDMI audio are embedded into the HD/SD-SDI output allowing a convenient single cable audio/video connection. The HA5 provides two SDI/HD-SDI outputs and supports long HDMI cables on the input. The HA5 is useful for connecting HDMI cameras to HD/SD-SDI equipment.

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Features:

- HDMI to HD/SD-SDI
- Full HDMI support including embedded audio
- Equalized HDMI input supports long HDMI cables up to 30m, 24 gauge
- PLL clock filtering for low jitter HD/SD-SDI outputs
- Lock LED shows type of input source, SD (green) or HD (red)
- HDMI V1.2 standard
- 1m HDMI cable included
- DWP-U-R1 Power Supply Included
- 5-year warranty

SDI/HDMI Converters

Hi5-4K

Simple 4K SDI to 4K HDMI conversion

AJA's Hi5-4K Mini-Converter provides a simple monitoring connection from professional 4K devices using 4 SDI outputs to new displays with 4K-capable HDMI inputs. Hi5-4K is a single, highly-portable device that allows more affordable monitoring solutions in professional workflows.

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Features:

- 4 3G-SDI inputs
- HD conversion supported
- Configure via USB port and supplied MiniConfig software
- Uses 5-20V power (universal power supply included)
- HDMI 1.4 output
- Embedded audio support
- 5-year warranty

Hi5-3D

3G/HD-SDI Multiplexer To HDMI 1.4a and SDI Video and Audio Converter

The Hi5-3D is a 3D video multiplexer that combines two 3G or HD-SDI Inputs into various multiplexed 3D formats for output on HDMI 1.4a and HD-SDI. The HDMI 1.4a output supports EDID transactions that allow automatic 2D/3D configuration per the HDMI monitor's capabilities. Input SDI 2 will be frame synchronized to input SDI 1 in 3D Modes. Embedded SDI input audio is embedded in both the HDMI and SDI outputs. 2-channel RCA audio output is also supported with user control of channel selection. The Hi5-3D supports AJA's MiniConfig application for user configuration and firmware download.

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Features:

- HD/SD-SDI to HDMI
- 10-bit HDMI 1.4a support including 3D and embedded audio
- Setup via Dipswitch or PC/Mac using USB port and supplied USB cable (USB configuration software application supplied on CD)
- 3G/HD-SDI to HDMI 1.4a with additional SDI output
- Additional 2-channel RCA jack audio output
- DWP-U-R1 Power Supply Included
- 5-year warranty

SDI/HDMI Converters

Hi5-Fiber

HD/SD-SDI over Fiber To HDMI Video and Audio Converter

The Hi5-Fiber converts HD/SD-SDI over single mode 1310 nm Fiber optic cable (ST-style Fiber connector) to HDMI for driving HDMI monitors. Embedded 8-channel HD/SD-SDI audio is supported in the HDMI output allowing a convenient single cable audio/video connection. The Hi5-Fiber provides 2-channel RCA style audio outputs for separate audio monitoring if needed.

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Features:

- Fiber optic HD/SD-SDI to HDMI
- Supports single mode 1310 nm fiber optic cable with ST receiver
- Full HDMI support including embedded audio
- Additional 2-channel RCA jack audio output
- No configuration necessary
- HDMI V1.2 standard
- 1m HDMI cable included
- DWP-U-R1 Power Supply Included
- 5-year warranty

Hi5-3G

3G/Dual Link/HD-SD-SDI to HDMI Video and Audio Converter

The Hi5-3G converts 3G-SDI, dual or single link HD-SDI, or SD-SDI to HDMI v1.3a for driving HDMI monitors. HDMI v1.3a capability at 30 bits per pixel allows full support of the latest 10 bit monitors. Audio is supported in the HDMI output allowing a convenient single cable audio/video connection. The Hi5-3G provides 2-channel RCA style audio outputs for separate audio monitoring if needed. USB connectivity allows for easy PC/Mac setup and field upgrades.

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Features:

- 3G/HD/SD-SDI to HDMI
- SMPTE425M-AB input
- Additional 2-channel RCA analog audio output (User assignable channels)
- Full HDMI 1.3a support including:
 - Deep Color 30- and 36-bit video per pixel (24-bit also supported)
 - 2 or 8 channels of embedded audio
- Setup via PC/Mac using USB port and supplied USB cable (USB configuration software application supplied on CD)
- 1m HDMI cable supplied
- DWP-U-R1 Power Supply Included
- 5-year warranty

SDI/HDMI Converters

HDP2

HD-SDI/SDI to DVI-D and Audio Converter

The HDP2 is a miniature HD-SDI/SDI to DVI-D converter for digital display devices, such as LCD, DLP, and Plasma monitors or projectors. Using a very high quality scaling engine and de-interlacer, the HDP2 will automatically size 4:3 or 16:9 inputs to many DVI-D monitors. For appropriate monitor configurations, scaling is automatically 1 to 1-for example, displaying 1920x1080 video on a WUXGA (1920x1200) monitor. The HDP2 will also automatically adapt the input frame rate for monitor compatibility. In addition, the HDP2 provides 2-channel audio monitoring and a looping output of the SDI input.



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Features:

- HD-SDI/SDI to DVI-D
- HDMI 1.3a support (via DVI-D connector), including:
 - Deep Color 30-bit video (24-bit also supported)
 - 2 or 8 channels of embedded audio
- Automatically adapts to popular LCD/DLP/Plasma monitors (and projectors) up to 1920x1200 and 1080p
- High quality scaling engine for proper display of 4:3 or 16:9 content
- 1 to 1 scaling for appropriate monitor configurations
- 2-channel RCA analog audio output (user-assignable channels)
- HD-SDI/SDI looping output
- Setup via PC/Mac using USB port and supplied USB cable (USB configuration software application supplied on CD)
- DWP-U-R1 Power Supply Included
- 5-year warranty

UDC

Up/Down/Cross-Converter

The UDC is a broadcast quality Up/Down/Cross Mini-Converter which can convert between SD, HD, and 3G video formats. Using the same AJA industry leading conversion technology as in our model FS2, the UDC provides very high quality conversions at a low price. I/Os include SD/HD/3G SDI Input and Output, HDMI output, and 2-channel RCA style audio output. The UDC can be controlled by local dipswitches with additional control available via USB and AJA's MiniConfig application. A Reference Input allows the UDC to function as a frame synchronizer, locking to a local reference.



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Features:

- Converts between SD, HD, and 3G HD formats
- Supports 1080p50/60
- Very high quality conversions
- 8 channel embedded audio
- HDMI output with 8 channel audio
- 2-channel RCA analog audio output
- Reference Input
- Configure via Dipswitch or USB port and supplied MiniConfig software
- Uses 5-20V power (universal power supply included)

ROI



ROI

DVI/HDMI to SDI with Region of Interest Scaling

AJA's ROI Mini-Converter allows exceptionally high quality conversion of computer DVI and HDMI outputs to baseband video over SDI at an affordable price and a very portable size. With incredible image scaling, extensive aspect ratio and frame rate conversion, and audio functionality ROI fulfills the growing need to properly incorporate computer signals into the video world without sacrificing budget or space.

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Features:

- DVI to SDI conversion
- Region of Interest scaling
- DVI loop through
- Audio embedding
- Aspect ratio conversion
- Genlock input
- Configure via USB port and supplied MiniConfig software
- Uses 5-18VDC power (universal power supply included)
- 5-year warranty

SDI/HDMI Converters

LUT-box

In-line Color Transform

LUT-box ensures that your monitor is showing the correct color space and look for any source signal. Load 1D LUTs and 3D LUTs of 16x16x16 or 17x17x17 size using the USB connection and free MiniConfig software on either Mac or Windows. Simultaneous outputs allow you to utilize both HDMI and SDI monitors from a single LUT-box. Embedded audio is passed through to the outputs and a 2-channel RCA analog output allows easy audio monitoring without the need to extract the embedded audio.

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Features:

- Ensure proper image monitoring on-set or in the studio
- Simultaneous SDI and HDMI outputs
- 3D LUT support at 17x17x17
- +5 to 20V DC regulated, 8 watts max
- Configurable via AJA MiniConfig software for Mac and PC
- 12-bit processing
- 16-channel embedded SDI and 8-channel HDMI audio
- 2-channel RCA analog audio output
- DWP-U-R1 Power Supply Included
- AJA external power supply model DWP-U-R1 (included):
 - 100-240V, 50/60Hz universal input
- 5-year warranty

4K2HD

3G-SDI to HDMI Mini-Converter

AJA's 4K2HD down-converts professional SDI 4K/UHD signals to HD resolution using AJA's high-quality scaling for cost-effective monitoring and conversion. 4K2HD's HD-SDI and HDMI outputs are both live all the time, producing fantastic-looking HD images for on set monitoring or direct-to-air broadcast. 4K2HD outputs SDI and HDMI simultaneously. 4K2HD supports high frame rate (HFR) 4K inputs at 50 and 60fps and gets converted to HD outputs at 50 and 60fps for accurate viewing. 4K2HD's configuration options can extract an HD resolution image from the 4K input to provide a one-to-one pixel image for 4K focus checks on HD displays. Configuration can be set remotely via AJA MiniConfig software control over USB.

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Features:

- 4K (4096x2160) and UltraHD (3840x2160) support
- Down-conversion to support 4K on HD-SDI and HDMI devices
- Simultaneous HD-SDI and HDMI output
- True 4K downscaled and cropped for HD output
- Center cut of original 4K frame supported for focus checks
- Supports 4K/UHD 50/60fps high frame rate input formats
- Configurable via AJA MiniConfig software for Mac and PC
- DWP-U-R1 Power Supply Included
- 5-year warranty

Analog Converters

V2Analog

HD/SD-SDI to Analog Mini-Converter

V2Analog is a high-quality, cost-effective digital to analog video converter that's an ideal solution for integrating analog equipment such as monitors and tape decks into digital workflows. V2Analog performs high-quality SDI digital to component or composite analog conversion at either SD or HD resolutions with a full 10-bit data path. V2Analog takes incoming SDI signals and converts to YPbPr (SMPTE, EBU-N10), Betacam, or RGB component outputs or NTSC/PAL or Y/C (S-Video) composite outputs for complete integration into any workflow. Configuration can be set by on unit DIP switches or remotely via AJA MiniConfig software control over USB.

Note: V2Analog does NOT up-convert or down-convert between SD and HD resolutions. Only digital to analog signal conversion is supported.



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Features:

- 10-bit AJA Digital to Analog conversion
- Low power, compact size
- HD/SD-SDI input
- YPbPr/RGB Component or Composite output
- Configurable on USB via AJA MiniConfig software for Mac and PC
- DWP-U-R1 Power Supply Included
- 5-year warranty

V2Digital

Analog to HD/SD-SDI Mini-Converter

V2Digital is a high-quality, cost-effective analog to digital video converter that's perfect for facilities needing to integrate signal types. V2Digital provides AJA's high-quality 10-bit conversion of component or composite analog video to SDI at either SD or HD resolutions utilizing a full 10-bit data path and 2x oversampling to ensure a quality conversion all at an extraordinary price. V2Digital accepts YPbPr (SMPTE, EBU-N10), Betacam, or RGB component inputs or NTSC/PAL or Y/C (S-Video) composite inputs with a 4-line Adaptive Comb Filter providing high-quality decoding of composite sources. The comb filter can be switched to 2-line or notch modes for minimum delay requirements. Configuration can be set by on unit DIP switches or remotely via AJA MiniConfig software control over USB.

Note: V2Analog does NOT up-convert or down-convert between SD and HD resolutions. Only digital to analog signal conversion is supported.



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Features:

- 10-bit AJA quality Analog to Digital conversion
- Low power, compact size
- YPbPr/RGB Component or Composite input
- HD/SD-SDI output
- Configurable on USB via AJA MiniConfig software for Mac and PC
- DWP-U-R1 Power Supply Included
- 5-year warranty

Analog Converters

HD10A-Plus

HD Analog to HD-SDI Converter

The HD10A-Plus is a miniature, high-quality, 10-bit analog to digital converter for HD workflows. The HD10A-Plus can add an HD or SD SDI output to cameras, VTRs, or other analog-only equipment, even computers with HD RGB graphics. The HD10A-Plus accepts HD YPbPr or RGB analog and outputs three duplicate SDI signals. Works in 1080i, 1080psf, and 720p with internal or external sync (tri-level). The HD10A-Plus also includes SD mode support for PAL and NTSC needs.

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Features:

- High-quality 10-bit HDTV A/D Conversion
- Full bandwidth Component HD RGB or YPbPr input
- 3 HD-SDI Outputs
- Multi-standard
- SD mode support
- Internal or External Sync
- External DIP switch configuration
- DWP-U-R1 Power Supply Included
- 5-year warranty

HD10AVA

Analog Video and Audio to SD/HD-SDI

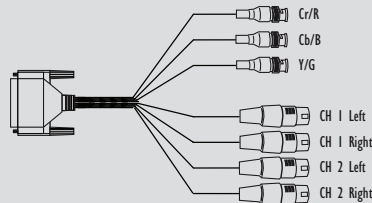
The HD10AVA is a miniature, high-quality, audio/video, HD/SD A/D converter. The HD10AVA automatically detects the video input format and embeds the audio inputs in the SD/HD-SDI outputs. The HD10AVA is useful for adding an SD/HD-SDI audio/video output to tape decks or any professional video equipment with analog outputs. The HD10AVA is especially useful for adding HD-SDI outputs to most HDV cameras or decks by using the component outputs of such devices. The HD10AVA uses a breakout cable for audio/video inputs and provides 3 SD-HD-SDI outputs on BNCs.

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Supplied Breakout Cable



Features:

- Easily integrate HDMI devices into SDI workflows
- 3G capability for high data rate signals
- Configurable via AJA MiniConfig software for Mac and PC
- Compact size fits easily in small spaces
- 16-channel embedded SDI and 8-channel HDMI audio
- 2-channel RCA analog audio output
- 5-20VDC power
- 5-year warranty

Analog Converters

HD10CEA

SDI/HD-SDI to Analog Audio/Video

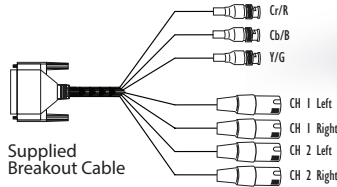
The HD10CEA converts HD/SD-SDI video with embedded audio to analog video and 4 channel balanced analog audio. SD video outputs can be configured as YPbPr (Betacam or SMPTE/EBU-N10), RGB, composite or YC (S-Video). HD video outputs can be configured as YPbPr or RGB. The analog audio outputs can be wired in a balanced or unbalanced configuration. The 4 audio channels can be selected from group 1-4. Audio and video output connections are available on a 25 pin "D" subminiature connector (3x BNC 4x XLR breakout cable supplied). All video/audio configuration is done by external dipswitch selection. This versatile, low-cost, miniature monitoring solution also outputs two loop-thru HD/SD-SDI outputs. Note: The HD10CEA does not up or down convert between HD and SD.



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Features:

- Ensure proper image monitoring on-set or in the studio
- Simultaneous SDI and HDMI outputs
- 3D LUT support at 17x17x17
- Configurable via AJA MiniConfig software for Mac and PC
- 12-bit processing
- 16-channel embedded SDI and 8-channel HDMI audio
- 2-channel RCA analog audio output
- DWP-U-R1 Power Supply Included
- 5-year warranty

HD10C2

HD-SDI and SDI digital-to-analog converter, 10-bit

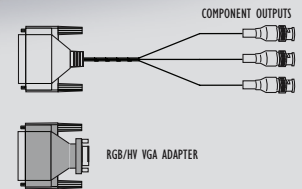
The HD10C2, AJA's second generation HD D/A converter, brings exciting new features. In addition to being a high-quality 10-bit HD converter, the HD10C2 is "dual-rate" and works with both HD-SDI and SDI inputs. For HD-SDI inputs, the HD10C2 outputs full bandwidth HD component or "VGA" style RGBHV video. For SDI inputs, component or composite SD outputs are supported. When connected to a multi-format monitor like the Sony 20L5, the HD10C2 will automatically provide an image from almost any HD or SD input format. The HD10C2 also features 2 equalized HD-SDI outputs. A 3BNC breakout cable and SVGA adapter are included. Optional 5 BNC cable available for separate H & V for HD only.



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Features:

- Low Cost, High Quality, 10-bit Dual Rate HD/SD D/A Conversion
- Full Bandwidth HD Analog RGB or YPbPr Output (HD input)
- Component/Composite SD Output (SD input)
- 2 Equalized Loop-Thru HD-SDI/SDI Outputs
- RGBHV VGA style HD output using supplied adapter
- HD Sync Selectable Between Bi-level and Tri-Level
- 4:3 Safe Area Graticule (HD)
- 5-18VDC Power
- External Dipswitch Configuration
- 5-year warranty

Optical Fiber Converters



FiDO

Single and Dual-channel SDI/Fiber converters

FiDO SDI/Optical Fiber Mini-Converters allow the transport of 3G-SDI over distances up to 10km via standard single-mode fiber optic cable. The compact, low-profile enclosure is perfect for use in tight spaces such as equipment racks, trucks and crowded facilities. Choose from LC, ST, or SC connectors, depending on the converter model, for unmatched

flexibility and cost efficiency. FiDO Mini-Converters meet all relevant SMPTE specifications as well as offering electrical isolation to eliminate potential ground loop problems for a rugged, versatile solution that is suitable for indoor or outdoor use.

Starting at
\$445 US MSRP*

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Features:

- Transport of SDI, HD-SDI, and 3G HD-SDI over single mode optical fiber
- Auto-detection of video format
- All SDI Ancillary data including embedded audio is passed
- LC, ST OR SC fiber connectors
- Simplex or Duplex models available
- All inputs, either SDI or fiber, are equalized and re-locked
- ASI compatible
- Useful for eliminating ground loop problems
- 5-20VDC power supply (included)
- 5 year warranty

Models:

- FiDO-R: Single channel LC Fiber to SDI converter, with dual SDI outputs
- FiDO-2R: Dual channel LC Fiber to SDI converter
- FiDO-T: Single channel SDI to LC Fiber converter, with looping SDI output
- FiDO-2T: Dual channel SDI to LC Fiber converter
- FiDO-TR: SDI/LC Fiber transceiver
- FiDO-T-ST: Single channel SDI to ST Fiber converter, with looping SDI output
- FiDO-R-ST: Single channel ST Fiber to SDI converter, with dual SDI outputs
- FiDO-T-SC: Single channel SDI to SC Fiber converter, with looping SDI output
- FiDO-R-SC: Single channel SC Fiber to SDI converter, with dual SDI outputs

Accessories:

- DWP-U-R1: Universal power supply (Note: As of Nov. 1, 2012 a DWP-U-R1 is included with the purchase of any AJA Mini-Converter)
- Rack mount bracket
- 4 pin XLR power cable

Optical Fiber Converters

FiDO-R

Single channel LC Fiber to SDI converter, with dual SDI outputs

- Simplex connection (LC connector)
- SDI, HD-SDI or 3G Output
- Second SDI output (DA: same signal)

\$445 US MSRP*



FiDO-2R

Dual channel LC Fiber to SDI converter

- 2 simplex or 1 duplex connection (LC connector)
- 2 Independent Channels of SDI, HD-SDI or 3G

\$645 US MSRP*



FiDO-T

Single channel SDI to LC Fiber converter, with looping SDI output

- Simplex connection (LC connector)
- SDI, HD-SDI or 3G Input
- Reclocked loop-thru of SDI Input

\$445 US MSRP*



FiDO-2T

Dual channel SDI to LC Fiber converter

- 2 simplex or 1 duplex connection (LC connector)
- 2 Independent Channels of SDI, HD-SDI or 3G

\$645 US MSRP*



Optical Fiber Converters

FiDO-TR

SDI/LC Fiber transceiver

- 2 simplex or 1 duplex connection (LC connector)
- 2 Independent Channels of SDI, HD-SDI or 3G

\$645 US MSRP*



FiDO-T-ST

Single channel SDI to ST Fiber converter, with looping SDI output

- Simplex connection (ST connector)
- SDI, HD-SDI or 3G Input
- Relocked loop-thru of SDI Input

\$445 US MSRP*



FiDO-R-ST

Single channel ST Fiber to SDI converter, with dual SDI outputs

- Simplex connection (ST connector)
- SDI, HD-SDI or 3G Output
- Second SDI Output (DA: same signal)

\$445 US MSRP*



FiDO-T-SC

Single channel SDI to SC Fiber converter, with looping SDI output

- Simplex connection (SC connector)
- SDI, HD-SDI or 3G Input
- Relocked loop-thru of SDI Input

\$445 US MSRP*



Optical Fiber Converters

FiDO-R-SC

Single channel SC Fiber to SDI converter, with dual SDI outputs

- 2 simplex or 1 duplex connection (LC connector)
- SDI, HD-SDI or 3G Output
- Second SDI output (DA: same signal)

\$445 US MSRP*



Infrastructure

GEN10

HD/SD Sync Generator 10 Blackburst and Tri-level Sync Generator

The GEN10 is a cost effective and flexible SD/HD/AES sync generator. The GEN10 features 7 outputs including 2 groups of independently controlled SD/HD sync outputs and 1 AES-11 output. The SD outputs can be switched between Color Black or Color Bars. HD tri-level sync can be switched between 19 different HD formats including all that are in use today. The AES-11 output can be switched between SILENCE and TONE. All outputs are in sync with each-other and are sourced from an accurate master time base.

\$345 US MSRP*

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Features:

- HD Bi-Level/Tri-level sync generation
- SD Color Black or Color Bars
- Two groups of independently switchable outputs allows simultaneous HD and SD sync generation
- AES-11 output switchable between silence and tone
- Multiple outputs can synchronize entire systems without requiring a Sync DA
- DWP-U-R1 is included with the purchase of any AJA Mini-Converter
- External Dip Switch Configuration
- 5-year Warranty

3GM

3G/1.5G HD-SDI Multiplexer

The 3GM is a versatile and economical tool for interconnecting dual-link 1.5G SMPTE372M and 3G SMPTE425M. 3GM is bi-directional - allowing dual 1.5G to 3G or 3G to dual 1.5G conversion. Additionally, 3GM's 3G HD-SDI output is configurable for SMPTE425M type A or B. The 3GM can even convert 3G from/to type A or B. 3GM also provides a monitor output which is a single link SMPTE292M 1.5G HD-SDI. The 3GM is also compatible with SMPTE259M 270Mb SDI.

\$795 US MSRP*

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Features:

- Compact 3G to/from 1.5G conversion
- SMPTE425M-AB inputs, 3G outputs configurable to A or B
- Converts SMPTE425M A to/from SMPTE425M B
- Provides SMPTE292 monitor output for dual 1.5G or 3G inputs
- Fully equalizing and re-clocking with jitter attenuation
- If SMPTE 292M is input, all outputs are 1.5G SMPTE 292M
- DWP-U-R1 is included with the purchase of any AJA Mini-Converter
- 5-year Warranty

Infrastructure

3GDA

1x6 3G/HD/SD Reclocking Distribution Amplifier

The 3GDA is a miniature, low-cost 1x6 3G/HD/SD-SDI input, re-clocking distribution amplifier. Featuring six separately buffered SDI outputs, the 3GDA provides automatic input detection, re-clocking and cable equalization.

\$395 US MSRP*

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Features:

- Compact SD/HD Distribution
- Six Separately Buffered Outputs
- Miniature Size
- 3G cable equalization (1694 coax)
- SD: 270mb, 350m, HD: 1.5Gb, 200m
- 3G/HD/SD-SDI input, auto sensing
- Passes all ancillary data
- DWP-U-R1 is included with the purchase of any AJA Mini-Converter
- 5-year Warranty

HD5DA

HDTV Serial Digital DA

The HD5DA is a miniature, low-cost 1x4 HD/SD-SDI distribution amplifier/repeater. Featuring four separately buffered HD/SD-SDI outputs, the HD5DA provides automatic HD cable equalization to 125 meters and automatically adapts to 143, 177, 270, 360 Mb, and 1.5Gb SDI.

\$195 US MSRP*

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Features:

- Compact HD-SDI/SDI Distribution
- Four Separately Buffered HD-SDI/SDI Outputs
- Auto Equalization
- Beldco 1694 cable. HD 125m, SD 300m
- Acts As Low-Cost Repeater
- Automatic Multi-Standard 143/177/270 Mb, 1.5Gb
- Miniature Size
- DWP-U-R1 Power Supply Included
- 5-year Warranty

Infrastructure

HD10DA

1x6 HD/SD Distribution Amplifier

The HD10DA is a miniature, low-cost 1x6 SD/HD (dual-rate) re-clocking distribution amplifier. Featuring six separately buffered HD-SDI outputs, the HD10DA provides automatic input cable re-clocking and equalization to 125 meters.

\$345 US MSRP*

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Features:

- Compact HD/SD-SDI Distribution
- Six Separately Buffered Outputs
- Miniature Size
- Cable equalization (1694 coax).
HD 125m, SD 300m
- HD-SDI or SDI input, auto sensing
- Bi-color LED indication of input lock and rate
- Passes all ancillary data
- DWP-U-R1 Power Supply Included
- No dip switches or configuration required
- 5-year Warranty

D5DA

Serial Distribution Amplifier

The D5DA is a multi-format, 1x4, SD-SDI Distribution Amplifier. The D5DA can be used as a low-cost SDI DA or repeater. The SDI input is equalized for up to 300 meters of cable. In addition, the multi-standard feature allows the D5DA to automatically adapt to 143, 177, 270, or 360 Mb SDI inputs automatically.

\$250 US MSRP*

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Features:

- Compact 1x4 Equalizing SDI Distribution Amplifier
- Low Cost
- Automatic Multi-Standard, 143/177/270 Mb
- Cable EQ to 300 Meters
- Useful as a repeater
- DWP-U-R1 Power Supply Included
- 5-year Warranty

Infrastructure

HD10MD3

Miniature Digital Down-converter

The HD10MD3 is a miniature digital down-converter for converting HD-SDI video to standard definition SDI and analog component/composite video. The HD10MD3 uses a full 10-bit data path and multi-point interpolation to produce broadcast quality down-converted video. In addition, the HD10MD3 converts either 1080p24 or 1080p24sf to 59.94 Hz output video using the standard 3:2 pull-down technique. The output can be formatted for either 4:3 or 16:9 standard definition monitors. Four-channel input embedded HD-SDI audio is passed to the SDI output.

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Features:

- Low-Cost Broadcast-Quality 10-bit HD to SD Downconverter
- Multi-Standard HD-SDI or SDI Input
- 2 Equalized Loop-Thru HD/SD-SDI Outputs
- SDI and Component/Composite Analog

- Outputs
- 3/2 Pull-down for 23.98/24 Hz p/psf inputs
 - Full 10-bit Data Path, Multi-point Interpolation
 - Configurable for 16:9 or 4:3 Monitors

- Letterbox and Crop Modes
- 4:3 Safe-Zone Graticule
- Passes 8 Ch embedded Audio, 4 Ch on Downconvert
- DWP-U-R1 is included with the purchase of

- any AJA Mini-Converter
- External Dip Switch Configuration
- 5-year Warranty

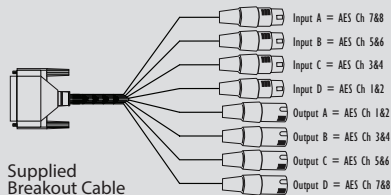
HD10AM

HD/SD 8 Channel AES Embedder/Disembedder

The HD10AM is a dual rate 8 channel AES audio Embedder/Disembedder. The Disembedder is always functional providing 4 AES outputs. The Embedder is user selectable, on a channel pair basis, to either "pass" SDI input audio or embed input AES audio from the breakout cable. AES inputs are sample rate converted to a 48KHz rate synchronous to the video input. The HD10AM automatically detects and configures to the input video standard. 8 x XLR breakout cable included.

\$795 US MSRP*

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Features:

- Dual rate HD/SD-SDI Embedder/Disembedder
- 8 Channel AES I/O

- Supplied breakout cable for balanced AES - XLR connectors

- HD-SDI/SDI input, 2 HD-SDI/SDI outputs
- Dipswitch configuration

- DWP-U-R1 Power Supply Included
- 5-year Warranty

Infrastructure

HD10AMA

Analog Audio Embed/Disembed

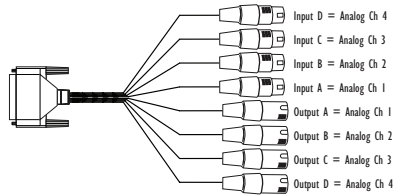
The HD10AMA is a dual rate 4-channel analog audio Embedder/Disembedder. The Disembedder is always functional providing 4 outputs. The Embedder is user selectable, on a channel pair basis, to either “pass” input audio or embed input audio from the breakout cable. Analog audio levels are selectable. The HD10AMA automatically detects and configures to the input video standard.

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Supplied Breakout Cable



Features:

- Dual rate HD/SD-SDI Embedder/Disembedder
- 4 Channel Balanced Analog Audio I/O
- HD-SDI/SDI input, 2 HD/SD-SDI outputs
- DWP-U-R1 Power Supply Included
- Supplied XLR breakout cable
- Dipswitch configuration
- 5-year Warranty

ADA4

4-channel bi-directional audio A/D and D/A converter

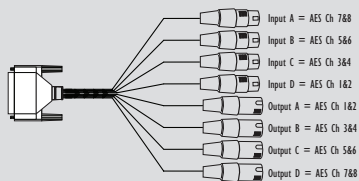
The ADA4 is a 4 channel bi-directional converter which can be configured as a 4 channel A/D, a 4 channel D/A, 2-channel A/D and 2-channel D/A, or an AES synchronizer. The ADA4 can accept an AES11, wordclock, or video sync/color black reference input for synchronization. Reference input and synchronization is automatic. Audio levels are configurable via dipswitch control.

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Supplied Breakout Cable



Features:

- 4 Simultaneous A/D and D/A, or AES Synchronizer
- AES/EBU audio
- AES11/Wordclock/Tri-level Sync/and 48KHz Dipswitch configuration
- Full-time AES11 low jitter reference output
- Up to 4 channels of AES/EBU to balanced analog audio
- Color Black Reference Loop
- Adjustable Audio Levels
- Up to 4 channels of balanced analog to
- Supplied XLR breakout cable
- Sample Rate Conversion Between 96KHz
- DWP-U-R1 Power Supply Included
- 5-year Warranty

SD Converters

D5PSW

SDI protection switch

The D5PSW accepts 2 SD-SDI inputs, Primary and Secondary, and automatically switches to the Secondary input if the Primary input is not present or is not a valid SDI signal. An SDI input is considered valid if a proper SMPTE 259 stream is present. A LED indicator is Green if both Primary and Secondary are present, flashing green if the Primary is present but the Secondary is not present, and Orange if the Secondary is present but the Primary is not. The D5PSW has 3 SDI outputs.

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Features:

- Dual SD-SDI input protection switch
- Low Cost
- Useful as a repeater and/or DA
- DWP-U-R1 Power Supply Included
- 3 SDI outputs
- Cable EQ to 300 Meters
- Multi color LED status
- 5-year Warranty

D4E

Serial to NTSC/PAL Encoder

The D4E SD-SDI Encoder provides a low cost all-digital conversion of SDI to analog NTSC or PAL. The D4E is useful for monitoring, level and phase checking, dubbing, etc. The D4E automatically adapts to NTSC or PAL video standards and outputs analog NTSC (525 line input) or PAL (625 line input). Pedestal and narrow/wide H/V blanking are user configurable via dipswitches. The D4E encodes the full dynamic range of input video: levels below black and above white are not clipped.

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Features:

- Lowest-Cost SD-SDI to NTSC/PAL Available
- Automatic NTSC/PAL Selection
- External Dip Switch Configuration
- 1 SDI Input, 2 Composite-Y/C Analog Outputs
- Built-In Test Pattern
- DWP-U-R1 Power Supply Included
- Ultra-Miniature Size Mounts Anywhere
- 5-year Warranty

SD Converters

D10CEA

SDI to analog audio and video converter

The D10CEA converts SD-SDI video with embedded audio to 10-bit component or composite analog video and 4 channel balanced analog audio. The video outputs can be configured as YPbPr (Betacam or SMPTE/EBU N10), RGB, 1 composite or 1 Y/C (S-Video). The 4 ch analog audio outputs can be wired in a balanced or unbalanced configuration. The 4 audio output channels can be selected as group 1-4 from SMPTE embedded audio. Audio level has 4 settings. Audio and video output connections are available on a 25 pin "D" subminiature connector – a break-out cable is supplied. All video/audio configuration is done by external dipswitch selection. This versatile, low-cost, miniature monitoring solution also outputs two re-clocked loop-thru SDI outputs.

\$595 US MSRP*

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Features:

- SD-SDI to Analog Audio and Video Converter
- SDI with Embedded Audio Input
- 2 Re-clocked, Loop-Thru SDI Outputs
- 10-bit Component or Composite Analog Video Outputs
- 4 ch Balanced Analog Audio Output
- Selectable Audio level
- Selectable Audio Channel Group
- External Dip Switch Configuration
- DWP-U-R1 Power Supply Included
- 5-year Warranty

Accessories

DRM

Mini-Converter Rack-Mount Frame

The DRM is a 2RU high frame that can accommodate up to 12 of the smaller AJA Mini-Converters (D4 – D5 series and others of the same size), up to 6 of the larger AJA Mini-Converters (D10 or HD10 series), or a mixture of both. The DRM has a built-in 110/220V power supply with 12 connectors to provide 5V power directly to the Mini-Converters without the need for individual power supplies for each Mini-Converter.



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Optional Front Panel: \$100 US MSRP*

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The following AJA Mini-Converter types can be installed in the DRM:

- D-Series
- HD-Series
- C-Series

The DRM includes a built-in power supply with connections for up to 12 converters to eliminate the need for individual power supplies. An optional front panel is also available.

NOTE: Due to heat, size and power requirements, AJA's 3GM, ROI, 4K2HD and Hi5-4K Mini-Converters are not supported in the DRM frame.

Universal Power Supply

DWP-U-R1

The DWP-U-R1 is an internationally-compatible universal power supply included free of charge with all AJA Mini-Converters. With four interchangeable plug adapters, the DWP-U-R1 can be used virtually anywhere in the world. A molded, latching, circular connector with gold pins ensures the DWP meets the high reliability requirements of the professional video industry.



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RMB

Easily mount AJA Mini-Converters to the side of a rack.

One Bracket with Mounting Screws
Also available in a 10-pack; RMB-10

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About AJA Video Systems, Inc.

Since 1993, AJA Video has been a leading manufacturer of video interface and conversion solutions, bringing high-quality, cost-effective digital video products to the professional, broadcast and post-production markets. AJA products are designed and manufactured at our facilities in Grass Valley, California, and sold through an extensive sales channel of resellers and systems integrators around the world. For further information, please see our website at www.aja.com

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