Product Brochure

Spring 2019

Ki Pro® Multi-Channel HD/SD H.264 Recorder and Player

3 LEGENDARY YEAR WARRANTY

Ki Pro GO $3,995

Low Cost, High Quality H.264 Recording

Ki Pro GO is an H.264 HD/SD multi-channel recording device. It offers a wide range of genlock free HDMI and SDI inputs with assignable mapping to four recording channels with additional back up capture of the four channels to any of the 5x USB 3.0 ports utilizing off the shelf USB media. An immense array of recording options, all in a standard 2RU half rack width design.

HDMI and SDI multi-channel monitoring during recording enables Ki Pro GO to display up to four channels of video as a matrix monitoring output on a single monitor. The device's flexible architecture is suited for a range of applications including live production, sports, corporate events, training, house of worship and other video markets.

Size : 219.46 x 268.60 x 84.08 mm

Powerful I/O and Flexible Recording to USB 3.0

- 4x HDMI inputs
- 4x 3G-SDI inputs
- Genlock free inputs
- Set and forget - assign any combination
- 5x USB recording media slots, compatible with off the shelf USB 3.0 media of four inputs to any four recording channels
- Redundant recording with primary and backup channel assignments to any of the five USB slots.

High Quality H.264 Recording and Playback

- Multi-channel recording and single channel playback
- Selectable VBR recording profiles
  - Low
  - Medium
  - High
- 5-25 Mbs Assignable bit-rates,
  - 8 or 10-bit HD/SD Image quality
  - 4:2:2 and 4:2:0 selectable chroma subsampling
- .MP4 or .Mov Codec Containers
- Compatible with any H.264 playback platform from software players to OTT services

Intuitive Interface, Multi-Channel Monitoring

- HDMI and SDI multi-channel matrix monitoring
- Easy to use web UI, configure and control from standard web browsers anywhere
- Front panel button controls with integrated HD resolution screen
- Stand-alone operation
- Three year warranty

Ki Pro Ultra Plus $3,995

Multi-Channel HD Recorder
4K/UltraHD/2K/HD Player and Recorder

- 4K/UltraHD/2K/HD record and playback
- Multi-channel 2K/HD recording to Apple ProRes
- Avid DNxHR and Avid DNxHD recording and playback
- 4x 3G-SDI I/O, HDMI 2.0 I/O
- Fiber SFP Cages for long cable runs
- HDR10 and HLG capture and playback
- Three year warranty

HDR [ProRes] Avid DNxHD® MXF   Avid DNxHR® MXF

AJA Pak Media
Available in 2TB, 1TB, 512GB and 256GB capacities

Size : 219.46 x 237.24 x 84.08 mm

Ki Pro Ultra $2,995

4K/UltraHD and 2K/HD Recorder and Player

- 4K/UltraHD/2K/HD recording and playback
- Apple ProRes recording and playback
- Avid DNxHR and DNxHD recording and playback
- 4x 3G-SDI I/O, HDMI I/O
- Fiber SFP cages for long cable runs
- Three year warranty

[ProRes] Avid DNxHD® MXF   Avid DNxHR® MXF

AJA Pak Media
Available in 2TB, 1TB, 512GB and 256GB capacities

Size: 219.46 x 237.24 x 84.08 mm

Ki Pro Rack $1,995

1RU HD/SD Recorder and Player

- HD/SD recorder and player
- Up, down, cross-conversion built in
- Record to Apple ProRes or Avid DNxHD
- SDI, HDMI and Component Video I/O

- AES and XLR Audio I/O
- 2x KiStor media bays with Ki Protect
- Up, down, cross-conversion built in

- Built in web server for GUI access
- REF, LTC and RS-422 support
- Three year warranty

AJA KiStor Media
Available in 1TB, 512GB SSD, 500GB HDD
and 256GB SSD capacities

Size : 482.6mm x 317.5mm x 44.5mm

Ki Pro Quad $2,995

4K/UltraHD/2K/HD
Recorder and Player

- 4K/UltraHD/2K/HD recorder and player
- Record to Apple ProRes, including ProRes 444
- Real time down-convert of 4K/UltraHD to 2K/HD SDI for simple monitoring
- HDMI Monitor output
- Ki Protect for secure recordings
- On board confidence monitor
- Three year warranty

AJA Pak Media
Available in 2TB, 1TB, 512GB and 256GB capacities

Size :115.57mm x 72.39mm x 149.606mm

Ki Pro Mini $1,495

Camera Mountable HD/SD
Recorder and Player

- HD/SDR recorder and player
- Record to Apple ProRes, incl. ProRes HQ
- HD-SDI I/O
- HDMI I/O
- Record to Compact Flash (CF) cards
- Built in web server for GUI to any web browser
- Three year warranty

AJA Pak Media
Available in 2TB, 1TB, 512GB and 256GB capacities

Size : 110.6mm x 46.2mm x 149.98mm

Pak Media

Pak Media is a high capacity solid state drive encased in a protective housing with a rugged connection engineered to handle the rigors of repeated use in the field. Available in 2TB, 1TB, 512GB and 256GB capacities. Designed for use with Ki Pro Ultra Plus, Ki Pro Ultra, and Ki Pro Quad.

Pak Dock

External Dock for Pak Media with Thunderbolt and USB 3.0 connections for fast transfer of media to a host computer.

Ki Pro Shelf

Ki Pro Ultra Plus and Ki Pro Ultra feature a small footprint for desktop use or can be mounted side by side using the additional KPU-Shelf for rackmount applications.

KiStor Media

KiStor Media is a high capacity solid state drive encased in a protective housing with a rugged connection engineered to handle the rigors of repeated use in the field. Available in 1TB, 512GB and 256GB capacities. Designed for use with Ki Pro Rack.
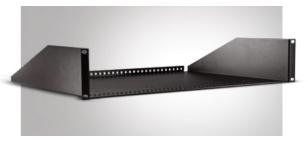
KiStor Drive

External Dock for KiStor Media with Thunderbolt and USB 3.0 connections for fast transfer of media to a host computer.

Reliable Storage Media

Ki Pro Ultra Plus, Ki Pro Ultra and Ki Pro Rack include Ki Protect, a feature that helps to ensure data integrity if a media drive is accidentally removed or loses power during recording.

The only loss that should be incurred is the last few frames that were in transit to the media drive to be recorded when the operation was interrupted, providing greater peace of mind on set and in the studio.

HELO

Stream, Record, Deliver H.264 at the Touch of a Button

3 YEAR LEGENDARY WARRANTY

HELO $1,295

Connect

Your projects vary, you need flexible connectivity. HELO delivers with 3G-SDI and HDMI video inputs and outputs.

24-bit audio at 48 kHz embedded in the SDI or HDMI signal ensures you never lose sync, plus Line Level, Unbalanced stereo 3.5mm TRS connectors have you covered for live audio capture.

Encode

Your goal is efficiency with beautiful results.

HELO encodes to H.264/MPEG-4 ensuring bandwidth efficiencies with widely compatible files. From tablets to smartphones, desktops to Smart TVs, no translation necessary.

Stream

Streaming can be complex. HELO makes it simple. A USB connection and web browser based UI allows you to setup and configure your CDN connection before you arrive at your event. On site, simply press the Stream button and deliver your project across HELO's Ethernet connection, which supports RTMPE, RTMP, RTSP and unicast or multicast RTP.

HLS streaming adds direct interoperability with Apple® iPads® and other consumer devices. v4.0 adds AV Mute for uploading your custom graphic to your stream before the event begins.

Record

Live means Now.
Live means Pressure.

HELO offers a dedicated Record button right on the front of HELO's small and mobile interface for immediate recording. It also provides simultaneous redundant recording to two media devices: CIFS, NFS, SD or USB.

Simply plug in your exFAT or FAT32 formatted USB drive, SD card or connected network storage and record immediately.

Web Server Built-In

You serve the web.
HELO serves you.

AJA eMini-Setup and HELO's easy to use web browser Interface make HELO simple to setup, configure and update firmware at any time and with v4.0 you can capture Logs for simple trouble shooting.
Connect to HELO either via its direct USB port to set static/dynamic IP addresses though AJA eMini-Setup software or over the network using HELO's web server generated UI.

Scheduler and Automation Control

Point HELO to an event calendar for a set and forget recording and streaming experience.

For more complex situations, achieve full automation with an easy to script control API.

Size : 177.8 x 118.37 x 25.91 mm

HLS You Tube LIVE livestream USTREAM WOWZA media systems

Io | 4K Plus $2,495

Size : 222.0 x 206.0 x 41.9 mm

Io 4K Plus

- 12G-SDI and HDMI 2.0 I/O over Thunderbolt™ 3
- 4K/UltraHD/HD/SD capture and playback
- Bidirectional 4x 12G-SDI and HDMI 2.0 I/O with HFR support up to 4K 60p at 4:2:2
- 10-bit high quality 4:2:2, 4:4:4 and High Frame Rate workflow support
- Real time 4K/UltraHD to 2K/HD down-conversion over SDI Monitor Out
- 16-channel embedded audio on SDI; 8-channel embedded audio on HDMI; 8-channel analog audio in or out or 4-channel in and out via XLR break-out
- Downstream keyer
- Compatible with leading creative apps
- Three year warranty

THUNDERBOLT.3   HDR

Io | 4K $1,995

Size : 222.0 x 180.09 x 41.91 mm

Io 4K

- 3G-SDI and HDMI 1.4b I/O over Thunderbolt™ 2
- 4K/UltraHD/HD/SD capture and playback
- Bi-directional 4x 3G-SDI and HDMI 1.4b I/O with HFR support up to 4K 60p at 4:2:2
- 10-bit high quality 4:2:2, 4:4:4 and High Frame Rate workflow support
- Real time 4K/UltraHD to 2K/HD down-conversion over SDI Monitor Out
- 16-channel embedded audio on SDI; 8-channel embedded audio on HDMI; 4-channel analog audio out via XLR breakout
- Downstream keyer
- Compatible with leading creative apps
- Three year warranty

THUNDERBOLT.2   HDR

Io IP $2,495

Size : 222.0 x 206.0 x 41.91 mm

Io IP

- IP Video and Audio I/O over Thunderbolt
- 4K/UHD/2K/HD/SD Video and Audio over 10 GigE up to 60/50p
- Both SMPTE ST 2110 and SMPTE ST 2022-6 supported
- Redundancy / High availability via SMPTE ST 2022-6/7 up to 2K/HD
- HDMI, 3G-SDI and Analog Audio Outputs for local monitoring
- NMOS support
- Reference Input (Analog black burst or Tri-level)
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

THUNDERBOLT.3   HDR

Io XT $1,495

Size : 222.0 x 180.09 x 41.91 mm

Io XT

- HD/SD Video I/O up to 60p
- 3G-SDI, HDMI I/O and Component Out
- Analog Audio Out over DB-25
- Downstream keyer
- Up, down, cross-conversion
- Ref/LTC and RS-422 ports
- Compatible with leading creative apps
- Three year warranty

THUNDERBOLT.2

Io | Express $995

Size : 222.0 x 180.09 x 41.91 mm

3 YEAR WARRANTY LEGENDARY

Io Express

- HD/SD Video I/O up to 60p
- HD-SDI, HDMI I/O and Component Out
- Ref/LTC and RS-422 ports
- 2-channel, 16 and 24-bit unbalanced audio (via RCA jack)
- PCIe connection port
- Compatible with leading creative apps
- Three year warranty

THUNDERBOLT.

Io | Software Compatibility

Io products are cross-platform and compatible with a wide range of professional macOS® and Windows® software applications.

AJA drivers and plug-ins create a seamless integration between the native software and AJA's high quality hardware that lets you focus on the work, not the technology.

View our software compatibility chart for the following categories:

Audio | Color | Dailies | Editorial | Effects | Graphics | Ingest/Playout | Restoration Streaming/Live Production | Test/Measure

View Compatibility Chart

KONA®

Professional Performance, Unparalleled Reliability

KONA® 5 $2,995

KONA 5

- Supports 8K/4K/UltraHD ingest and output at frame rates up to 50/60 fps
- Supports 4:4:4 and 4:2:2 workflows
- 4x bidirectional 12G-SDI spigots
- 12-bit color support (application dependent)
- 8K or multi-channel 4K support for OEM applications with AJA SDK
- HDMI 2.0 output (4K/UltraHD HFR 4:2:2 10-bit)
- HDR: HDR10 support - HDR Infoframe metadata, in accordance with HDMI 2.0a/CTA-861.3, HLG (Hybrid Log Gamma) support
- 8-ch AES/EBU, 8-ch embedded HDMI, and 16-ch embedded SDI digital audio I/O
- Reference Input on card (Analog black burst or Tri-level)
- Extend external connectivity with included breakout cable
- RS-422 support on 9-pin connector
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

HDR

KONA® IP $2,495

KONA IP

- 4K/UHD/2K/HD/SD Video and Audio over 10 GigE up to 60/50p
- Both SMPTE ST 2110 and SMPTE ST 2022-6 supported
- Redundancy / High availability via SMPTE ST 2022-6/7 up to 2K/HD
- TR-01 compliant JPEG 2000 workflows support with optional purchase
- HDMI for local monitoring
- Compatible with leading creative apps
- NMOS support
- Reference Input (Analog black burst or Tri-level)
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

HDR

KONA 4 $1,995

3 YEAR LEGENDARY WARRANTY

KONA 4

- Supports 4K and UltraHD ingest and output at frame rates up to 50/60p
- Real time up, down, cross-conversion with pristine 10-bit quality
- 3G-SDI and 1.5G-SDI formats supported
- HDMI 1.4b (UltraHD 50/60p 8-bit 4:2:0)
- HDR10 Support - HDR Infoframe metadata, in accordance with HDMI 2.0a/CTA-861.3 and HLG (Hybrid Log Gamma) support
- Supports 444 and 422 workflows
- 8-lane PCIe 2.0
- 8-ch AES/EBU, 8-ch embedded HDMI, and 16-ch embedded SDI digital audio I/O
- Extend external connectivity incl LTC, Ref and RS-422 with K3G-BOX breakout box option
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

K3G-Box $395

KONA HDMI $895

KONA HDMI

- Supports simultaneous ingest of up to either 2x 4K/UltraHD, or 4x 2K/HD, at frame rates up to 50/60p
- Simultaneously capture up to four 2K/HD 60p sources
- Four full-size HDMI Inputs
- HDMI 2.0 (port 1 & 2) and HDMI 1.4b (ports 3 & 4))
- 8-lane PCIe 2.0
- Embedded HDMI audio in: Up to 8 per channel (for a total of 32 possible audio channels)
- Capture stunning HDR from games and more
- macOS, Windows and Linux support
- Video4Linux and DirectShow support
- Compatible with leading creative apps
- Three year warranty

KONA | 1 $595

KONA 1

- Supports 2K and HD ingest and output at frame rates up to 50/60p
- 3G-SDI and 1.5G-SDI formats supported
- PCIe 2.0 form factor
- 16-ch embedded SDI digital audio I/O
- RS-422 (for SDK developers there is also an option for low profile PCIe with internal RS422 header, rather than external connector)
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

KONA | LHi $1,495

KONA LHi

- Supports 2K and HD ingest and output at frame rates up to 30p
- Real time up, down, cross-conversion with pristine 10-bit quality
- 3G-SDI and 1.5G-SDI formats supported
- Component Video I/O, RS-422 Control on supplied breakout cable
- HDMI v1.3 (HD 50/60p)
- 2-ch AES/EBU, 8-ch embedded HDMI, and 8-ch embedded SDI digital audio I/O
- 2-channel balanced analog audio I/O
- Extend external connectivity incl LTC, Ref and RS-422 with KLHi-BOX breakout box option
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

KLHi-BOX $349

KONA® | LHe Plus $995

KONA LHe Plus

3 YEAR
LEGENDARY WARRANTY

- Supports HD and SD ingest and output at frame rates up to 30p
- Real time down-conversion
- HD-SDI I/O and Component Video I/O on supplied breakout cable
- 2-ch AES/EBU, 8-ch embedded SDI digital audio I/O on supplied breakout cable
- 2-ch balanced analog audio I/O on supplied breakout cable
- Extend external connectivity incl Ref and RS-422 with KL-BOX-LH breakout box option
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

KL-BOX-LH $299

KONA® | Software Compatibility

KONA cards are cross-platform and compatible with a wide range of professional macOS®, Windows® and Linux® software applications.

AJA hardware is compatible with a wide range of professional software applications on macOS, Windows and Linux. AJA drivers and software create a seamless integration between best of class creative tools and AJA's high quality hardware that lets you focus on the work, not the technology.

View our software compatibility chart for the following categories:

Audio | Color | Dailies/Archiving | Editorial | Effects | Graphics/Virtual | Ingest/Playout | Restoration
SDI / IP Bridging | Streaming/Live Production | Test/Measure | VJ / Live Video Performance | Video Assist

View Compatibility Chart

Adobe LiveGrade FilmLight SOFTRON SpectraCal AVID avid.com

U-TAP
USB 3.0 Powered 3G-SDI and HDMI Capture

3 LEGENDARY YEAR WARRANTY

U-TAP│SDI $345

Size : 104.14 x 60.96 x 25.4 mm

U-TAP SDI

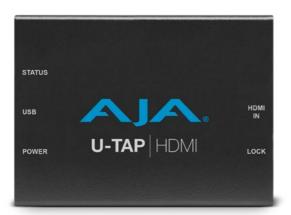- USB 3.0 host Interface
- 3G-SDI Input
- SDI Output (Looping)
- Bus powered from host
- HD/SD and scaled (USB) raster support
- 2-channel, Audio Input, 24-bit SDI embedded audio, 48 kHz sample rate
- Three year warranty

View Compatibility Chart

U-TAP│HDMI $345

Size : 83.82 x 60.96 x 25.4 mm

U-TAP HDMI

- USB 3.0 host Interface
- HDMI Input
- Bus powered from host
- HD/SD and scaled (USB) raster support
- 2-channel, Audio Input, 24-bit SDI embedded audio, 48 kHz sample rate
- Three year warranty

View Compatibility Chart

T→TAP® Thunderbolt™ Powered SDI and HDMI Output

3 YEAR LEGENDARY WARRANTY

T→TAP® $295

HDMI
SDI

Size : 74.93 x 17.78 x 57.92 mm

T-TAP

- Supports 2K/HD/SD 10-bit output over SDI and HDMI at frame rates up to HD 60p
- 8-channel, 24-bit SMPTE-259 SDI embedded audio, 48 kHz sample rate, synchronous
- 8-channel, 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous
- Connect to Mac and PC with Thunderbolt
- Compact and pocketable at 0.2 lb (0.1 kg)
- No power cable required; 5V Thunderbolt bus powered; 6.5W max
- macOS and Windows support
- Three year warranty

T→TAP® | Software Compatibility

T-TAPs are cross-platform and compatible with a wide range
of professional macOS®, Windows® and Linux® software applications.

AJA hardware is compatible with a wide range of professional software applications on macOS, Windows and Linux.

AJA drivers and software create a seamless integration between best of class creative tools and AJA's high quality hardware that lets you focus on the work, not the technology.

View our software compatibility chart for the following categories:

Audio | Color | Dailies/Archiving | Editorial | Effects | Graphics/Virtual | Ingest/Playout
SDI / IP Bridging | Streaming/Live Production | Test/Measure | VJ / Live Video Performance | Video Assist

[View Compatibility Chart]   Adobe   LiveGrade   FilmLight   SOFTRON   tools on air   SpectraCal   AVID avid.com

HDR | Image Analyzer

3 YEAR LEGENDARY WARRANTY

Waveform, Histogram and Vectorscope Monitoring for HDR $15,995

HDR Image Analyzer delivers a comprehensive array of tools for the effective analysis of the latest HDR standards – including HLG, PQ and Rec.2020 – on 4K/UltraHD/2K/HD content input from 4x 3G-SDI streams in a convenient 1RU device. Developed in partnership with Colorfront®, AJA HDR Image Analyzer supports a wealth of inputs from camera Log formats to SDR (REC 709), PQ (ST 2084) and HLG and offers color gamut support for BT.2020 alongside traditional BT.709.

Specifically designed to be used wherever needed, the 1RU form factor fits into a range of workflows, providing the confidence you need for consistent and predictable HDR production and mastering.

Modern cameras are inherently HDR capable with their wide dynamic range available from the sensor on, and for live events, recording and broadcasts, it's crucial to monitor their dynamic range and gamut outputs being employed for HDR delivery. With support for both leading cameras on input and SDR, HLG and PQ monitoring from a range of sources, HDR Image Analyzer takes the pain out of HDR monitoring with a wide range of analysis tools and automatic error logging with timecode stamping to ensure you successfully produce materials within the range of your desired final results.

Size : 436.88 x 429.26 x 43.18 mm

Broad Inputs

High Dynamic Range (HDR) and Wide Color Gamut (WGC) arrive in a range of forms, look to AJA 's HDR Image Analyzer to cover them all:

Camera LOG Support:
- ARRI®
- Canon®
- Panasonic®
- RED®
- Sony®

Dynamic Range Inputs:
- SDR (REC 709)
- PQ (ST 2084)
- HLG

Color Gamuts:
- BT.2020
- BT.709

3G-SDI Support:
- 4x 3G-SDI up to 4K/UltraHD 60p
- SDI Auto Signal Detection

Key Features

- 1RU device for rackmounting anywhere
- HDR Image Analyzer has been specifically developed to serve a range of environments with a convenient 1RU form factor with 4x 3G-SDI for up to 4K/UltraHD 60p input and pass-through
- Powerful Web UI and cross network log and screenshot download capability
- RDP Support for Remote Control over the network from desktops, laptops and tablets
- Automated Color Space Switching over SDI for SDR/PQ/HLG
- Perfect for Live Production, DIT Pipelines, Broadcast Monitoring, Postproduction, QC Needs in a Range of Environments and Final HDR Mastering

Monitor, Analyze, Log the Results

The AJA HDR Image Analyzer features a high quality, ultra precise UltraHD HDR user interface for native resolution picture display with HDR/PQ over DisplayPort, critical for close analysis of your video materials, making the most of the tools you need:

- Waveform
- Histogram
- Vectorscope
- Color Gamut
- Nit Light Level
- Out of gamut MAX warning for P3
- Frame average Light Level (LL) bar
- File Based Error Logging with Timecode
- Data Analyzer with Advanced Pixel Picker
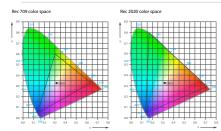- Advanced, Out of Gamut and Out of Brightness

FS | HDR

Real Time HDR/WCG Transformations,
Multi-Channel Converter and Frame Sync in One $7,995

Powered by Colorfront Engine™ proprietary video processing algorithms from Colorfront, with real time parametric controls for HDR transforms, color correction and SDR Preview of HDR transforms for Single Master HDR workflows; FS-HDR also serves as a full, 1-channel up, down, cross-converter for 4K/UltraHD/2K/HD and in 4-channel mode, offers four simultaneous and independent channels of 2K/HD HDR and SDR transformations. The latest firmware adds ganged operations for multiple FS-HDRs supporting up to 8K, a new Colorfront Engine Film mode, new BBC LUTs, Dynamic Multi-Channel LUT capabilities, ACES support, the ability to upload custom 3D LUTs and more.

Rear

Front

Size : 444.5 x 406.4 x 44.45 mm

Dynamic Range/Color Gamut

Rec 709 color space

Rec 2020 color space

Modern cameras are inherently HDR capable with their wide dynamic ranges available from the sensor on, and for live events and broadcasts, it's crucial to translate their Log and Gamut capabilities to the accepted standards

www.aja.com

Input Formats

Input Formats:

- SDR BT.709 100 Nits
- PQ BT.2020 1000 Nits
- PQ P3D65 1000 Nits
- Hybrid Log Gamma BT.2100
- Hybrid Log Gamma BT.709
- HLG Extended BT.2100
- Sony® S-Log3 S-Gamut3
- Sony S-Log3 S-Gamut3 Cine
- Sony S-Log3 BT.2020
- ARRI Log C Wide Gamut
- Panasonic® V-Log
- RED Log3G10 Wide Gamut
- Canon Log 2
- Canon Log 3
- ACEScct

HDR Workflows for UltraHD/HD

- Single channel mode for 4K/UltraHD/2K/ HD including down-conversion to HD HDR or SDR
- Four channel mode for multi-channel 2K/HD HDR processing simultaneously
- Colorfront Engine Live and Film Modes
- BBC HLG LUT mode with an array of BBC transformations for HLG (Hybrid Log Gamma) including Scene-Referred and Display-Referred conversions
- Dynamic LUT mode for third party software integration
- User LUT mode for importing 3D .cube LUTs
- ASC CDL support
- Auto HDR Signaling over SDI for SDR/PQ/HLG
- PQ output control from 48 to 4000 Nits

Output Formats

From multi-channel HD to true 4K, FS-HDR carries your HDR / SDR video over 3G-SDI, optional fiber or 12G-SDI to wherever it needs to go; from switchers, routers, monitors, to huge LED displays and more. You can even convert your source to S-Log3, ARRI Log C and even ACEScct for use further along the chain.

- SDR BT.709 100 Nits
- PQ BT.2020 1000 Nits
- Hybrid Log Gamma BT.2100
- Hybrid Log Gamma BT.709
- HLG Extended
- Sony SLog3 S-Gamut3
- Sony SLog3 BT.2020
- ARRI Log C Wide Gamut
- ACEScct

17

FS 4K/2K/HD/SD Frame Sync and Conversion

5 LEGENDARY YEAR WARRANTY

FS|4 $4,995

4-Ch 2K/HD/SD or 1-Ch 4K/UltraHD Frame Sync and Up, Down, Cross-Converter

Size : 444.5 x 406.4 x 44.45 mm

FS4

- Four Independent 2K, HD, or SD Video Processors
- One 4K, UltraHD, 2K, HD, or SD Video Processor
- Up, down, cross-conversion
- 4x 3G-SDI In and 4x 3G-SDI Out
- 12G-SDI (HD-BNC) I/O with Optional SFPs
- 12G-SDI Fiber I/O with Optional SFPs
- Quadrant (Square Division) or 2SI (Two Sample Interleave) 4K/UltraHD input pixel mapping
- 1x 3G-SDI and 1x HDMI Monitor Outputs
- 16-ch embedded audio over SDI per port, 8-ch AES In and Out, 64-ch MADI Fiber and 64-ch MADI Coax I/O
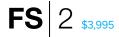- Five year warranty

FS|3 $2,995

HD/SD Frame Sync with 4K Up-Conversion

Size : 444.5 x 406.4 x 44.45 mm

FS3

- Four 3G-SDI inputs, 2x BNC and up to 2x fiber (optional)
- 4x1 selector feeds video processor
- 12x 3G-SDI outputs, 8x BNC and up to 4x fiber (optional)
- 64-channels via four 16-channel audio disembedders (1 disembedder per SDI input)
- 64-channels via four 16-channel audio embedders
- 2K/HD/SD to 4K/UltraHD Up-Conversion
- 2K/HD to SD Down-Conversion
- 64x64 mono audio matrix, route 1 to 1, 1 to many Independent controls for each channel
- Five year warranty

FS|2 $3,995

2-Ch HD/SD Frame Sync and Up, Down, Cross-Converter

Size : 438.15 x 368.3 x 44.45 mm

FS2

- 2x 3G-SDI Inputs
- 2x Fiber 3G-SDI Inputs (optional)
- HD component YPbPr, SMPTE-274 (3x BNC) Input
- HDMI I/O
- 2x 3G-SDI Outputs
- 2x Fiber 3G-SDI Outputs (optional)
- HD component YPbPr, SMPTE-274 (3x BNC) Output
- Up, down, cross-conversion
- 16-channel, 24-bit SMPTE-272/299 SDI embedded audio, 48 kHz sample rate, synchronous I/O
- 16-channel, 24-bit AES/EBU audio, 48 kHz sample rate, synchronous or nonsynchronous, internal sample rate conversion (8x XLR via 25-pin breakout cable)
- Five year warranty

FS|1-X $3,495

HD/SD Frame Sync and Up, Down, Cross-Converter with linear Frame Rate Converter

Size : 482.6 x 406.4 x 44.45 mm

FS1-X

- 2x 3G-SDI Inputs
- 2x Fiber 3G-SDI Inputs (optional)
- HD component YPbPr, SMPTE-274 (3x BNC) Input
- HDMI I/O
- 2x 3G-SDI Outputs
- 2x Fiber 3G-SDI Outputs (optional)
- HD component YPbPr, SMPTE-274 (3x BNC) Output
- Composite SD Analog I/O
- 64-ch MADI Fiber and 64-Ch MADI Coax I/O
- 8-channel balanced analog I/O, DB-25F 25-pin Power connector (Tascam pinout)
- 16-channel AES/EBU I/O (BNC), DB-25F 25-pin connector
- Five year warranty

FS│1 $2,995

1-Ch HD/SD Frame Sync and Up, Down, Cross-Converter

Size : 438.1mm x 317.5mm x 44.4mm

FS1

- 2x 3G-SDI Inputs
- 2x 3G-SDI Outputs
- HD/SD component YPbPr, SMPTE-274 (3x BNC) I/O
- Y/C (S-Video) I/O
- Composite SD Analog I/O
- Up, down, cross-conversion
- 8-channel, 24-bit D/A analog audio, 48 kHz sample rate, balanced (8x XLR via 25-pin breakout cable) In
- 8-channel, 24-bit D/A analog audio, 48 kHz sample rate, balanced (8x XLR via 25-pin breakout cable) out
- Five year warranty

AJA SFP Configurator

The AJA SFP configurator is the fastest way to ensure that you accurately select the most appropriate SFP for your workflow needs for the appropriate AJA product you wish to integrate into your facility infrastructure.

Simply select the AJA product you wish to populate from the drop down list above and make your selection of input and/or output slots that you wish to fill. The AJA SFP Configurator will automatically offer you the applicable compatible choices of AJA LC, SC, ST, CWDM or HD-BNC SFPs and wavelengths for the product in question.

[View SFP Configurator]

KUMO®

Compact Single Link 12G-SDI and 3G-SDI Routers

Compact Routing

Just 1RU, 2RU or 4RU high and less than 2" deep, KUMO fits in the most space constrained locations, offering flexible routing with support for 12G-SDI or 3G-SDI I/O that exceeds SMPTE specifications.

Simple Configuration

All KUMO routers and control panels with USB ports easily configure the router's IP address and simplifies network configurations. KUMO routers are network ready and support powerful HTTP control and monitoring via a web browser.

KUMO Control Panels

KUMO CP and CP2 feature 16 & 32 source and destination buttons. Four KUMO routers per control panel.
KUMO CP2 offers eight Salvo buttons to recall multiple sources and destinations assignments.

KUMO 3232 $3,495 — Size : 441.96 x 38.1 x 88.9 mm

KUMO 1616-12G $2,495 — Size : 441.96 x 39.12 x 44.45 mm

KUMO 1616 $1,995 — Size : 441.96 x 39.12 x 44.45 mm

KUMO 1604 $1,395 — Size : 441.96 x 39.12 x 44.45 mm

KUMO 6464 $7,995 — Size : 441.96 x 39.37 x 177.8 mm

KUMO CP $595 — Size : 482.6mm x 33.0mm x 44.5mm

KUMO 3232-12G $3,995 — Size : 441.96 x 39.12 x 88.9 mm

KUMO CP 2 $895 — Size : 482.6mm x 33.0mm x 89.0mm

Mini-Converters

The Power to Convert and Deliver

From broadcast, production, to post and live events, AJA Mini-Converters offer the most complete range of compact, stand-alone 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.

AJA Mini-Matrix: Converter Search Software
www.aja.com/software/mini-matrix

Hi5-12G $795
12G-SDI to HDMI 2.0 Mini-Converter, models available with included Fiber SFPs

Hi5-12G-R $995
HDMI 2.0 to 12G-SDI Mini-Converter, models available with included Fiber SFPs

Hi5-12G-TR $1195
HDMI 2.0 to 12G-SDI Mini-Converter, models available with included Fiber SFPs

Hi5-4K-Plus $595
4K/UltraHD (4x 3G-SDI) to full HDMI 2.0 Mini-Converter

HA5-12G $795
HDMI 2.0 to 12G-SDI Mini-Converter, models available with included Fiber SFPs

HA5-12G-T $995
HDMI 2.0 to 12G-SDI Mini-Converter, models available with included Fiber SFPs

HA5-4K $595
4K/UltraHD HDMI to 4K/UltraHD (4x 3G-SDI) Mini-Converter

HDMI

Hi5-Plus $395
3G-SDI to HDMI Mini-Converter
with Embedded Audio

HDMI

HA5-Plus $395
HDMI to 3G-SDI Mini-Converter
with Embedded Audio

HDMI

Hi5-3G $595
3G-SDI/Dual Link SDI to HDMI 1.3a
Video and Audio Mini-Converter

HDMI

Hi5-3D $495
Dual HD-SDI Multiplexer to HDMI 1.4a
and SDI Video and Audio Mini-Converter

HDMI

Hi5-Fiber $695
3G-SDI over Fiber to HDMI Video and
Audio Mini-Converter

HDMI

HA5-Fiber $695
HDMI to 3G-SDI over Fiber Video
and Audio Mini-Converter

HDMI

Hi5 $345
HD/SD-SDI to HDMI Mini-Converter
with Embedded Audio

HDMI

HA5 $345
HDMI to HD-SDI/SD-SDI Mini-Converter
with Embedded Audio

HDBaseT

HB-R-SDI $595
HDBaseT to 3G-SDI Mini-Converter

HDBaseT

HB-T-SDI $595
3G-SDI to HDBaseT Mini-Converter

HDBaseT

HB-R-HDMI $395
HDBaseT to HDMI Mini-Converter

HDBaseT

HB-T-HDMI $395
HDMI to HDBaseT Mini-Converter

HDBaseT 4K

RovoRx-SDI $995
HDBaseT to 6G/3G-SDI and HDMI
Converter with POH, Genlock

HDBaseT 4K

RovoRx-HDMI $495
HDBaseT to HDMI Converter with PoH

LUT-box

LUT-box $695
In-line Color Transform

Control

Mini-Connect $345
Control AJA ROI Mini-Converters
via Ethernet

SCALING

HDP3 $695
3G-SDI to DVI-D and Audio Converter

SCALING

UDC $695
Up, Down, Cross-Converter

SCALING

4K

4K2HD $795
4K/UltraHD to HD Down-Converter

SCALING

HD10MD4 $995
HD/SD-SDI to SDI/Analog Down-Converter

INFRASTRUCTURE

4K HDR

12GDA $495
12G/HD/SD-SDI Reclocking Distribution Amplifier

INFRASTRUCTURE

4K HDR

12GM $895
12G-SDI to/from SDI Muxer/Demuxer

INFRASTRUCTURE

3G-AM $795
3G-SDI 8-Channel AES Embedder/Disembedder

INFRASTRUCTURE

3G-AMA $795
3G-SDI Analog Audio Embedder/Disembedder

INFRASTRUCTURE

HDR

3GDA $395
1x6 3G/HD/SD Reclocking Distribution Amplifier
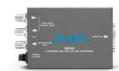
INFRASTRUCTURE

3GM $495
3G/1.5G HD-SDI Multiplexer

INFRASTRUCTURE

ADA4 $390
4-Channel Bidirectional Audio A/D and D/A Converter

INFRASTRUCTURE

C10DA $175
Analog Video 1x6 Distribution Amplifier

INFRASTRUCTURE

GEN10 $345
HD/SD Sync Generator

INFRASTRUCTURE

HD5DA $195
1x4 HD/SD-SDI Distribution Amplifier/Repeater

ANALOG

HD10A-Plus $695
HD Analog to HD-SDI Converter

ANALOG

HD10AVA $695
HD/SD Analog Composite or Component Video and 4-Channel Analog Audio to SD/HD-SDI with Embedded Audio

5 LEGENDARY **YEAR** WARRANTY

HD10CEA $695
HD/SD-SDI to Analog Audio/Video

V2Analog $345
HD/SD-SDI to Analog Video Converter

V2Digital $345
Analog Video to HD/SD-SDI Converter

SCAN CONVERT

ROI-DVI $995
DVI to 3G-SDI Scan Converter
with Region of Interest

SCAN CONVERT

ROI-HDMI $995
HDMI to 3G-SDI Scan Converter
with Region of Interest

SCAN CONVERT

ROI-DP $995
Display Port to 3G-SDI Scan Converter
with Region of Interest

SCAN CONVERT

ROI-SDI $995
3G-SDI to HDMI/3G-SDI Scan Converter
with Region of Interest

IP

IPT-10G2-HDMI $1295
HDMI Video and Audio to SMPTE ST 2110 IP
Converter with Hitless Switching

IP

IPT-10G2-SDI $1295
3G-SDI Video and Audio to SMPTE ST 2110 IP
Converter with Hitless Switching

IP

IPR-10G2-HDMI $1295
SMPTE ST 2110 IP Video and Audio to
Converter with Hitless Switching

IP

IPR-10G2-SDI $1295
SMPTE ST 2110 IP Video and Audio to
3G-SDI HDMI Converter with Hitless Switching

IP

IPT-1G-HDMI $995
HDMI Video and Audio to
JPEG 2000 IP Converter

IP

IPT-1G-SDI $995
3G-SDI Video and Audio to
JPEG 2000 IP Converter

IP

IPR-1G-HDMI $795
JPEG 2000 IP Video and Audio
to HDMI Converter

IP

IPR-1G-SDI $795
JPEG 2000 IP Video and Audio
to 3G-SDI Converter

CMP $99
Converter Mounting Plate

DRM $590
Mini-Converter Rackmount Frame

RMB $7
Rackmount Bracket

AJA Mini-Config
Free Visual Configuration
and Control Software

DWP-U-R1 $40
Universal Power Supply

PWR-CABLE $65
P-TAP to 2x AJA Mini-Converter
Power Connectors

P-TAP-CBL $45
P-Tap to AJA Mini-Converter
Power Cable

AJA Mini-Matrix
Find the Right AJA Converter
for Any Situation

5 LEGENDARY **YEAR** WARRANTY

FiDO – Optical Fiber Converters

The Power to Convert and Deliver

FiDO Mini-Converters offer unmatched flexibility and cost efficiency for 12G-SDI, 6G-SDI, and 3G-SDI Fiber conversion, allowing for long cable runs up to 10km for single mode FiDOs and up to 700 m (2296 ft) for OM4 and 300 m (984 ft) for OM3 multi-mode fiber optic cables when using Multi-Mode models or SFPs. Choose LC, ST, or SC connectors, depending on the converter model. CWDM SFP options are available. Configure as appropriate with the SFP Configurator. FiDO converters use compact, low profile, rugged enclosures that works well in tight spaces around and behind equipment racks, displays, in trucks and on camera.

OPTICAL FIBER

FiDO-T-12G $785
1-Channel 12G-SDI/LC Single Mode
LC Fiber Transmitter

OPTICAL FIBER

FiDO-R-12G $785
1-Channel Single Mode LC Fiber
to 12G-SDI Receiver

OPTICAL FIBER

FiDO-2T-12G $1,325
2-Channel 12G-SDI to
Single Mode LC Fiber Transmitter

OPTICAL FIBER

FiDO-2R-12G $1,325
2-Channel Single Mode LC Fiber
to 12G-SDI Receiver

OPTICAL FIBER

FiDO-TR-12G $1,325
1-Channel 12G-SDI/LC Single Mode
LC Fiber Transceiver

OPTICAL FIBER

FiDO-4T-ST $1,495
4-Channel 3G-SDI Single Mode
ST Fiber Transmitter

OPTICAL FIBER

FiDO-4R-ST $1,495
4-Channel 3G-SDI Single Mode
ST Fiber to 3G-SDI Receiver

OPTICAL FIBER

FiDO-4T-X $2,685
4-Channel 3G-SDI to Single Mode
LC Fiber Transmitter for CWDM SFPs

(Includes both CWDM SFP Modules)

OPTICAL FIBER

FiDO-4T $1,495
4-Channel 3G-SDI to Single Mode
LC Fiber Transmitter

OPTICAL FIBER

FiDO-4R $1,495
4-Channel Single Mode LC Fiber
to 3G-SDI Receiver

OPTICAL FIBER

FiDO-4T-MM $1,985
4-Channel 3G-SDI to Multi-Mode
LC Fiber Transmitter

OPTICAL FIBER

FiDO-4R-MM $1,985
4-Channel Multi-Mode LC Fiber
to 3G-SDI Receiver

OPTICAL FIBER

FiDO-T $445
1-Channel 3G-SDI to Single Mode
LC Fiber Transmitter

OPTICAL FIBER

FiDO-R $445
1-Channel Single Mode LC Fiber
to 3G-SDI Receiver

OPTICAL FIBER

FiDO-2T $645
2-Channel 3G-SDI to Single Mode
LC Fiber Transmitter

OPTICAL FIBER

FiDO-2R $645
2-Channel Single Mode Mode LC Fiber
to 3G-SDI Receiver

OPTICAL FIBER

FiDO-TR $645
1-Channel 3G-SDI/LC Single Mode
LC Fiber Transceiver

OPTICAL FIBER

FiDO-2T-X $1,240
2-Channel 3G-SDI to Single Mode
LC Fiber Transmitter for CWDM SFPs

(Includes one CWDM SFP module)

OPTICAL FIBER

FiDO-T-MM $690
1-Channel 3G-SDI to Multi-Mode
LC Fiber Transmitter

OPTICAL FIBER

FiDO-R-MM $690
1-Channel Multi-Mode LC Fiber
to 3G-SDI Receiver

OPTICAL FIBER

FiDO-2T-MM $890
2-Channel 3G-SDI to Multi-Mode
LC Fiber Transmitter

OPTICAL FIBER

FiDO-2R-MM $890
2-Channel Multi-Mode LC Fiber
to 3G-SDI Receiver

OPTICAL FIBER

FiDO-TR-MM $890
1-Channel 3G-SDI/LC Multi-Mode
LC Fiber Transceiver

OPTICAL FIBER

FiDO-T-SC $445
1-Channel 3G-SDI to Single Mode
SC Fiber Transmitter, with SDI Loop Out

OPTICAL FIBER

FiDO-R-SC $445
1-Channel Single Mode SC Fiber to
3G-SDI Receiver, with Dual SDI Outputs

OPTICAL FIBER

FiDO-T-ST $445
1-Channel 3G-SDI to Single Mode
ST Fiber Transmitter, with SDI Loop Out

OPTICAL FIBER

FiDO-R-ST $445
1-Channel Single Mode ST Fiber to
3G-SDI Receiver, with Dual SDI Outputs

openGear Cards and Rackframe

For critical broadcast applications, AJA openGear compatible converter cards, with DashBoard support, provide the highest levels of quality and reliability for use in OG frames including the new OG-X-FR.

OG-X-FR $1449
openGear Compatible Rackframe

HDMI	HDMI
OG-Hi5-4K-Plus $595	**OG-HA5-4K** $595
openGear 4K/UltraHD (4x 3G-SDI) to full HDMI 2.0 Converter	openGear 4K/UltraHD HDMI to 4K/UltraHD (4x 3G-SDI) Converter

SCALING	SCALING
OG-4K2HD $795	**OG-UDC** $695
openGear 4K/UltraHD to 3G-SDI and HDMI Down-Converter	openGear HD/SD Up, Down, Cross-Converter

INFRASTRUCTURE	INFRASTRUCTURE
OG-3G-AMD $795	**OG-3G-AMA** $795
openGear 3G-SDI 8-Channel 24-bit AES Embedder/Disembedder	openGear 3G-SDI Analog Audio Embed/Disembed

INFRASTRUCTURE	INFRASTRUCTURE
OG-3GDA-1x9 $495	**OG-3GDA-2x4** $550
openGear 1x9 3G-SDI Reclocking DA	openGear 2x4 3G-SDI Reclocking DA

OPTICAL FIBER

OG-FiDO-T $445
openGear 1-Channel 3G-SDI to Single Mode LC Fiber Transmitter

OPTICAL FIBER

OG-FiDO-R $445
openGear 1-Channel Single Mode LC Fiber to 3G-SDI Receiver

OPTICAL FIBER

OG-FiDO-TR $645
openGear 1-Channel 3G-SDI/LC Single Mode LC Fiber Transceiver*

OPTICAL FIBER

OG-FiDO-2T $645
openGear 2-Channel 3G-SDI to Single Mode LC Fiber Transmitter

OPTICAL FIBER

OG-FiDO-2R $645
openGear 2-Channel 3G-SDI to Single Mode LC Fiber Receiver

OPTICAL FIBER

OG-FiDO-2T-X $1,240
openGear 2-Channel 3G-SDI to Single Mode LC Fiber Transmitter for CQDM

(Includes CWDM SFP module)

OPTICAL FIBER

OG-FiDO-T-MM $690
openGear 1-Channel 3G-SDI to Multi-Mode 3G-SDI Transmitter

OPTICAL FIBER

OG-FiDO-R-MM $690
openGear 1-Channel Multi-Mode LC Fiber to 3G-SDI Receiver

OPTICAL FIBER

OG-FiDO-TR-MM $890
openGear 1-Channel 3G-SDI/LC Multi-Mode LC Fiber Transceiver

OPTICAL FIBER

OG-FiDO-2T-MM $890
openGear 2-Channel 3G-SDI to Multi-Mode LC Fiber Transmitter

OPTICAL FIBER

OG-FiDO-2R-MM $890
openGear 2-Channel Multi-Mode LC Fiber to 3G-SDI Receiver

CORVID

PCIe I/O Solutions for Development Partners.

The Corvid lineup offers OEM developer partners a wealth of options when used with AJA's powerful SDK on Windows, macOS, and Linux.

Learn More: www.aja.com/category/developer

Apply today: www.aja.com/developer/request

CORVID 88 $2,795
8-lane PCIe 2.0 card for 8/10-bit YCbCr or 12-bit RGB with simultaneous 4K in and out or eight independent mixed channel I/O.
Low Profile and Fanless versions available.

CORVID 44 12G
8-lane PCIe 3.0 for 8/10-bit YCbCr or 12-bit RGB with 8K in or out or 4K independent mixed channel I/O.
Low Profile and Fanless versions available.

CORVID 44 $1,895
8-lane PCIe 2.0 for 8/10-bit YCbCr or 12-bit RGB with four independent mixed channel I/O or single 4K in/out.
Low Profile and Fanless versions available.

CORVID 44 BNC $1,895
8-lane PCIe 2.0 for 8/10-bit YCbCr or 12-bit RGB with four independent mixed channel I/O or single 4K in/out. Corvid 44 BNC Full-sized BNCs

CORVID 22 $1,395
4-lane PCIe 2.0 for 8/10-bit uncompressed with two independent channels I/O digital 3G-SDI I/O

CORVID 24 $1,895
4-lane PCIe 2.0 8/10-bit with a single 4K or four independent channels I/O digital 3G-SDI I/O, bypass relays for continuation of SDI input signal to SDI output in event of power failure.

CORVID HEVC $4,995
4K and multi-channel, 8-lane PCIe 2.0 HEVC encoding card supporting up to 4K 60p video input as well as file to file encoding. Slot and ATX6 powered versions available.

CORVID-HB-R $995
HDBaseT integration of video up to UltraHD 60p, 8-channel embedded audio, power and RS-232 control over HDBaseT control plus HDMI output on a 4-lane PCIe 2.0 card

RovoCam HDBaseT 4K | UltraHD | 2K | HD

RovoCam $2,495

Integrated UltraHD/HD Camera with HDBaseT

HDBT™

Size : 71.12 x 149.86 x 91.44 mm

RovoCam Features

- UltraHD up to 29.97p or high frame rate HD support up to 60p
- Sony back illuminated 1/2.3 type 8.9 megapixel CMOS sensor
- Video, audio, control and power over standard Cat 5e/6 cable
- Three year warranty

RovoRx | SDI $995

UltraHD/HD HDBaseT Receiver to 6G/3G-SDI and HDMI Frame Sync w/ PoH, Genlock

RovoRx-SDI Features

- 4x 6G/3G-SDI UltraHD/HD HDMI outputs
- 1x UltraHD/HD HDMI output
- DA Mode for distribution needs of HDBaseT sources
- 1x RCA stereo audio output
- 1x USB for firmware upgrades
- 1x RS-232 for RovoCam control
- 1x HDBaseT connector (RJ-45)
- Five year warranty

RovoRx | HDMI $495

UltraHD/HD HDBaseT Receiver to HDMI with PoH

RovoRx-SDI Features

- 1x UltraHD/HD HDMI output
- 1x RCA stereo audio output
- 1x USB for firmware upgrades
- 1x RS-232 for RovoCam control
- 1x HDBaseT connector (RJ-45)
- Five year warranty

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 postproduction 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

AJA
VIDEO SYSTEMS