# Product Brochure
June 2020

www.aja.com

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# Ki Pro®  12G Multi-Channel HD and 4K/UltraHD/2K/HD Recorder and Player

**3** LEGENDARY **YEAR** WARRANTY

## Ki Pro® | ULTRA 12G   $3,995

### 12G I/O for up to UltraHD/4K 60p support

Ki Pro Ultra 12G is the latest digital video player and recorder to join the Ki Pro family of products. Ki Pro Ultra 12G builds upon its predecessor, the Ki Pro Ultra Plus product, by adding 12G-SDI support as well as 12G compatible Optical Fiber SFP cages. Ki Pro Ultra 12G offers HDR support via HDMI and SDI for both recording and playout giving immense flexibility as both recorder and player for HDR material. Multi-channel HD recording is available, offering versatile menu options to mix

and match codec profiles and user selectable audio channels. Configurable Matrix Monitoring outputs on SDI and HDMI allows monitoring on one external display, plus audio VU meters display levels for each of the channels being recorded. The new enhanced super out functionality now adds VU meters and media status to the onscreen overlay output.



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

Size (W x D x H): 219.46 x 268.60 x 84.08 mm

### Powerful 12G I/O with Flexible SFP fiber

- 1x 12G-SDI input
- 3x 3G-SDI inputs
- 1x 12G-SDI output
- 3x 3G-SDI outputs
- HDMI v2.0 in
- HDMI v2.0 out
- SFP fiber cage I/O
- Analog audio in (DB-25 loom connectivity)
- Analog audio out (DB-25 loom connectivity)

### High Quality Recording and Playback

- HD ProRes multi-channel recording and single channel playback
- Single channel recording up to 4K 60p
- Records and plays back up to ProRes 4444 XQ
- Records and plays back up to Avid DNxHR HQX
- HDR recording and playback
- YCbCr and RGB
- RS-422 control
- REST interface

### 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
- Optional rack mount shelf (KPU-SHELF)
- Three year warranty

# Ki Pro® GO $3,995



Size (W x D x H): 219.46 x 268.60 x 84.08 mm

## Ki Pro GO

- Multi-channel H.264 recording
- 5x USB recording media ports, compatible with off-the-shelf USB 3.2 Gen 1 media
- Redundant recording to user selectable channels
- Up to 25Mbps bit rate
- Network file download
- Enhanced Super Out
- Front panel audio monitoring
- LTC on analog audio input
- Drive formatting
- Genlock free inputs
- HDMI and SDI multi-channel matrix monitoring
- Support for RP-188 Time Code inputs on SDI
- Balanced XLR analog audio inputs, mic/line/48v switchable
- Front panel button controls with integrated HD resolution screen
- Optional rack mount shelf (KPU-SHELF)
- Easy to use web UI, configure and control from standard web browsers
- Stand-alone operation
- Three year warranty

# Ki Pro® Rack $1,995



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

Size (W x D x H): 219.46 x 268.60 x 44.45 mm

## Ki Pro Rack

- HD/SD recorder and player
- Record to Apple ProRes or Avid DNxHD
- SDI, HDMI and Component Video I/O
- AES (BNC) and analog (XLR) audio I/O
- 2x KiStor media bays with Ki Protect
- Up, down, cross-conversion built in
- Easy to use web UI, configure and control from standard web browsers
- REF, LTC and RS-422 support
- Three year warranty

## 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 12G and Ki Pro Ultra Plus.



## Pak Dock

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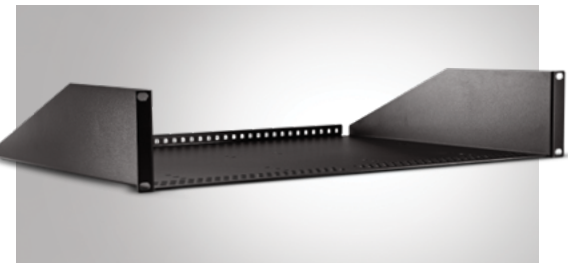


## Ki Pro Shelf

Ki Pro Ultra Plus, Ki Pro Ultra 12G, Ki Pro Ultra, and Ki Pro GO 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 12G 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** LEGENDARY **YEAR** 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. AV Mute allows 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/SMB, 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 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 (W x D x H): 177.8 x 118.37 x 25.91 mm

# Io® Powerful and Flexible Professional I/O

## Io® 4K Plus $2,495



Size (W x D x H): 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
- 12G-SDI and HDMI 2.0 I/O with HFR support up to 4K 60p
- 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
- HDR support: HDR-10, HLG (Hybrid Log Gamma)
- 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 DB-25 to XLR cable
- Downstream keyer
- Compatible with leading creative apps
- Three year warranty

THUNDERBOLT.3    HDR

## Io® 4K $1,995



Size (W x D x H): 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
- 3G-SDI and HDMI 1.4b I/O with HFR support up to 4K 60p
- 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
- HDR support: HDR-10, HLG (Hybrid Log Gamma)
- 16-channel embedded audio on SDI; 8-channel embedded audio on HDMI; 4-channel analog audio out via DB-25 to XLR cable
- Downstream keyer
- Compatible with leading creative apps
- Three year warranty

THUNDERBOLT.2    HDR

# Io | IP $2,495

Size (W x D x H): 222.0 x 206.0 x 41.91 mm

## Io IP

- IP Video and Audio I/O over Thunderbolt™ 3
- 4K/UltraHD/2K/HD/SD over 10 GigE up to 60/50p
- 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 for local monitoring, plus Analog Audio I/O.
- HDR support: HDR-10, HLG (Hybrid Log Gamma)
- LLDP support
- Reference Input (Analog black or Tri-level for ST 2022-6 facilities)
- macOS, Windows compatibility
- Compatible with leading creative apps
- Three year warranty

**THUNDERBOLT 3**　　**HDR**

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# Io | XT $1,495

Size (W x D x H): 222.0 x 180.09 x 41.91 mm

## Io XT

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

**THUNDERBOLT.**

# Io Express  $995



Size (W x D x H): 222.0 x 180.09 x 41.91 mm

## Io Express

- HD-SDI, Component, and HDMI I/O over PCIe
- 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

## 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

**3 LEGENDARY YEAR WARRANTY**

### 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 support for Apple Final Cut Pro X and Adobe Premiere Pro
- 8K or multi-channel 4K support for OEM applications with AJA SDK
- HDMI 2.0 output, 4K/UltraHD HFR 4:2:2 10-bit, plus 8K to 4K downsampling
- HDR support: HDR-10, HLG (Hybrid Log Gamma)
- 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
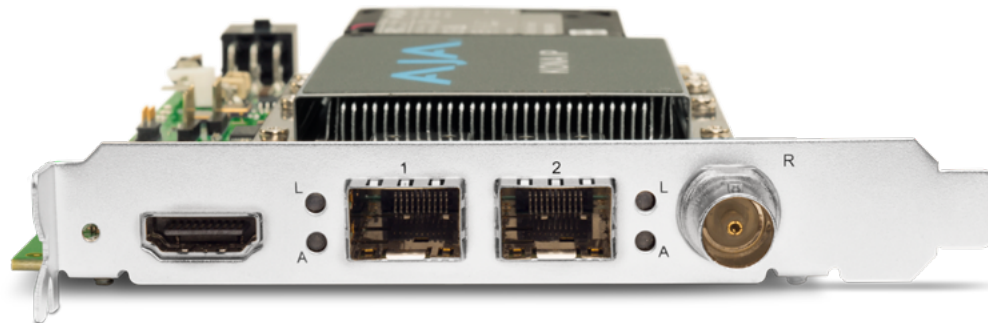


#### KONA IP

- 4K/UltraHD/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 license
- LLDP supported
- HDMI for local monitoring
- Compatible with leading creative apps
- Reference Input (Analog or Tri-level for ST 2022-6 facilities)
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

HDR

# KONA 4 $1,995

## 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)
- HDR support: HDR-10, HLG (Hybrid Log Gamma)
- Supports 4:4:4 and 4:2:2 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 supplied breakout cable.
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

HDR

K3G-Box                                                                $395

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# KONA HDMI $895
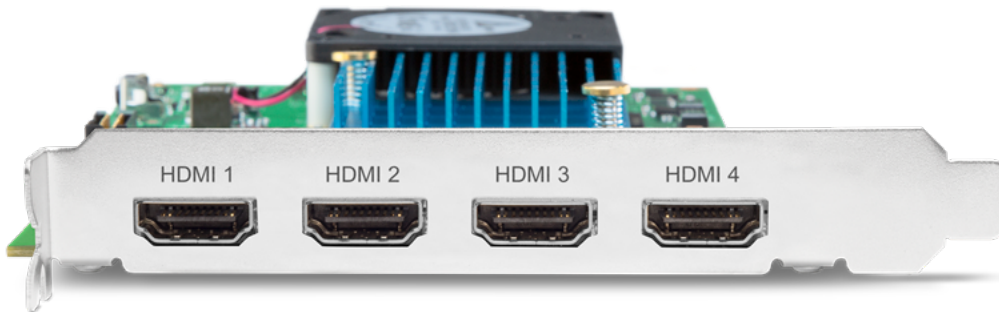
## KONA HDMI

- 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 cameras, game consoles, and more
- macOS, Windows and Linux support
- Video4Linux and DirectShow support
- Compatible with leading creative apps
- Three year warranty

HDR

# 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
- Compact 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 60p
- 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-ch balanced analog audio I/O
- Extend external connectivity incl LTC, Ref and RS-422 with supplied breakout cable.
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

KLHi-BOX $349

# KONA | LHe Plus $995

3 LEGENDARY YEAR WARRANTY

## KONA LHe Plus

- 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-42 with supplied breakout cable.
- macOS, Windows and Linux support
- Compatible with leading creative apps
- Three year warranty

KL-BOX-LH                                                                $299

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# 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

## U-TAP | SDI $345



Size (W x D x H): 104.14 x 60.96 x 25.4 mm

USB 3.0

### U-TAP SDI

- 3G-SDI capture over USB 3.0
- 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
- UVC/UAC capture and wide application compatibility. No third party driver required.
- macOS, Windows and Linux compatibility
- Three year warranty

View Compatibility Chart

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## U-TAP | HDMI $345



Size (W x D x H): 83.82 x 60.96 x 25.4 mm

USB 3.0

### U-TAP HDMI

- HDMI capture over USB 3.0
- 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
- UVC/UAC capture and wide application compatibility. No third party driver required.
- macOS, Windows and Linux compatibility
- Three year warranty

View Compatibility Chart

# T→TAP®  Thunderbolt™ Powered SDI and HDMI Output

**T→TAP®**  $295

Size (W x D x H): 74.93 x 17.78 x 57.92 mm

HDMI

SDI

## T-TAP

- 3G-SDI and HDMI output over Thunderbolt™
- 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

f LIVE      ▶ YouTube LIVE      S Skype      zoom

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# T→TAP® | Software Compatibility

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

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

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

## HDR Waveform, Histogram and Vectorscope Monitoring

HDR Image Analyzer fuses AJA's proven audio and video I/O technology with Colorfront's powerful Colorfront Engine™. The sleek 1RU device delivers a comprehensive toolset for monitoring and analyzing HDR standards including Hybrid Log Gamma (HLG) and Perceptual Quantizer (PQ) for up to 8K/UltraHD2 workflows.

Available in two models, the HDR Image Analyzer 12G and the HDR Image Analyzer, with a choice of 4x 12G-SDI bi-directional I/O or 4x 3G-SDI inputs and 4x 3G-SDI outputs, and DisplayPort output connections with up to UltraHD resolution for the PQ high-resolution GUI.

### HDR Image Analyzer and HDR Image Analyzer 12G

- UltraHD UI for native-resolution picture display including PQ support for HDR capable displays.
- Configurable layouts allow you to put the tool you need, in the window you need it
- Support for display referred SDR (Rec.709), HDR ST2084/PQ and HLG analysis
- Support for scene referred ARRI, Canon, Panasonic, RED and Sony camera color spaces
- Precision CIE graph, vectorscope, waveform, and histogram support
- False color mode to easily spot out of gamut/out of brightness pixels
- NIT levels and audio phase metering
- Line mode to focus a region of interest onto a single horizontal or vertical line
- File base error logging with timecode
- Three year warranty



### HDR │ Image Analyzer 12G  $19,995

4x 12G-SDI bidirectional I/O for up to 8K/UltraHD2 or four 4K/UltraHD 60p Inputs

Size (W x D x H): 436.88 x 429.26 x 43.18 mm



### HDR │ Image Analyzer  $15,995

4x 3G-SDI inputs and outputs for up to 4K/UltraHD 60p Input and Pass-through

Size (W x D x H): 436.88 x 429.26 x 43.18 mm

**HDR** │ **colorfront**

# FS | HDR

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

Powered by Colorfront Engine™ proprietary video processing algorithms, 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. FS-HDR offers ganged operational control of multiple FS-HDRs supporting up to 8K/UltraHD2, Colorfront Engine Film mode Film mode, Dynamic Multi-Channel LUT capabilities, ACES support, the ability to upload custom 3D LUTs, and more.



Size (W x D x H): 444.5 x 406.4 x 44.45 mm

## Dynamic Range/Color Gamut
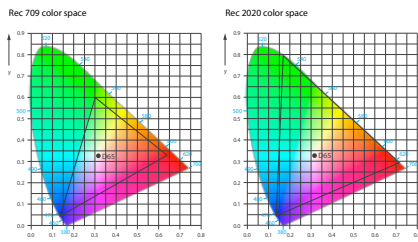


Modern cameras are inherently HDR capable with their wide dynamic ranges available from the sensor on, and for live events and broadcasts, it's crucial to translate their Log and Gamut capabilities to the accepted standards

## 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, Film, and TV Modes
- BBC HLG LUT support 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
- PQ P3D65 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

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

## **FS** 4 $4,995

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



Size (W x D x H): 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-channel 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** 2 $3,995

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



Size (W x D x H): 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 (W x D x H): 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

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# FS | 1 $2,995

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

Size (W x D x H): 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

# KUMO®

## Compact 12G-SDI and 3G-SDI Routers

**5** LEGENDARY **YEAR** WARRANTY

KUMO compact routers offer flexible video configuration with ease of control with the CP range of control panels or via the network. Adapt as your needs expand, from 3G-SDI and 12G-SDI and up to 64 inputs and outputs.

KUMO routers can be configured for ganged dual and quad port routing, allowing users to group together multiple inputs and outputs for dual-link, 4K/UltraHD, and with 12G-SDI models, 8K workflows.
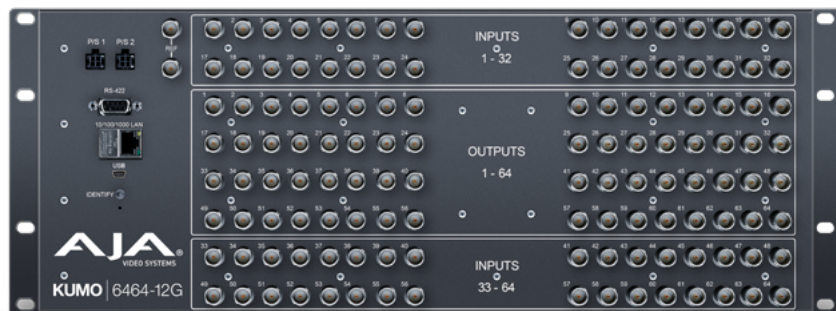


### KUMO 6464-12G $8,995
Size (W x D x H): 441.96 x 39.12 x 177.8 mm



### KUMO 6464 $7,995
Size (W x D x H): 441.96 x 39.12 x 177.8 mm



### KUMO 3232-12G $3,995
Size (W x D x H): 441.96 x 39.12 x 88.9 mm



### KUMO 3232 $3,495
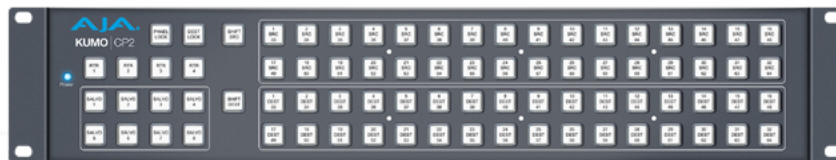Size (W x D x H): 441.96 x 39.12 x 88.9 mm



### KUMO 1616-12G $2,495
Size (W x D x H): 441.96 x 39.12 x 44.45 mm



### KUMO 1616 $1,995
Size (W x D x H): 441.96 x 39.12 x 44.45 mm



### KUMO CP2 $895
Size (W x D x H): 441.96 x 33.02 x 88.9 mm



### KUMO 1604 $1,395
Size (W x D x H): 441.96 x 39.12 x 44.45 mm



### KUMO CP $595
Size (W x D x H): 441.96 x 33.02 x 44.45 mm

# 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

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**HDMI**   4K HDR

### Hi5-12G $795
12G-SDI to HDMI 2.0 Mini-Converter

**HDMI**   4K HDR

### Hi5-12G-R $995
HDMI 2.0 to 12G-SDI Mini-Converter,
with LC Fiber Rx SFP

**HDMI**   4K HDR

### Hi5-12G-TR $1195
HDMI 2.0 to 12G-SDI Mini-Converter,
with LC Fiber TR SFP

**HDMI**   4K HDR

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

**HDMI**   4K HDR

### HA5-12G $795
HDMI 2.0 to 12G-SDI Mini-Converter

**HDMI**   4K HDR

### HA5-12G-T $995
HDMI 2.0 to 12G-SDI Mini-Converter,
with LC Fiber Tx SFP

**HDMI**   4K

### HA5-4K $595
HDMI 2.0 to 4K/UltraHD
(4x 3G-SDI) Mini-Converter

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

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

**Hi5-3G** $595
HDMI to 3G-SDI over Fiber
Mini-Converter with Embedded Audio

**Hi5-3D** $495
Dual HD-SDI Multiplexer to HDMI 1.4a
Mini-Converter with Embedded Audio

HDMI

HDMI

HDMI

HDMI

**Hi5-Fiber** $695
3G-SDI over Fiber to HDMI
Mini-Converter with Embedded Audio

**HA5-Fiber** $695
HDMI to 3G-SDI over Fiber
Mini-Converter with Embedded Audio

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

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

SCAN CONVERT

SCAN CONVERT

SCAN CONVERT

SCAN CONVERT

**ROI-DVI** $995
DVI to 3G-SDI Scan Converter with
Region of Interest and Frame Synchronizer

**ROI-HDMI** $995
HDMI to 3G-SDI Scan Converter with
Region of Interest and Frame Synchronizer

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

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

SCALING

SCALING

SCALING

SCALING

**UDC** $695
Up, Down, Cross-Converter
Mini-Converter with Embedded Audio

**4K2HD** $795
HD/SD-SDI to SDI/Analog Down Mini-Converter

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

**HDP3** $695
3G-SDI to DVI-D Mini-Converter
with Embedded Audio

**4K**

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

**4K**

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

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

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

**HDR**

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

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

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

**C10DA** $175
1x6 Analog Video Distribution Amplifier

**GEN10** $345
HD/SD Sync Generator

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

**FS-Mini** $695
3G/HD/SD-SDI Utility Frame Synchronizer

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

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

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

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

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

**IP**



**IPT-10G2-HDMI** $1295
HDMI Video and Audio to SMPTE ST 2110 IP Converter with Hitless Switching (ST 2022-7)

**IP**



**IPT-10G2-SDI** $1295
3G-SDI Video and Audio to SMPTE ST 2110 IP Converter with Hitless Switching (ST 2022-7)

**IP**



**IPR-10G2-HDMI** $1295
SMPTE ST 2110 IP Video and Audio to HDMI Converter with Hitless Switching (ST 2022-7)

**IP**



**IPR-10G2-SDI** $1295
SMPTE ST 2110 IP Video and Audio to 3G-SDI 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

**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**



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

**HDBaseT**



**RovoRx-HDMI** $495
HDBaseT to HDMI Converter with PoH

**LUT-box**



**LUT-box** $695
Analog Video to HD/SD-SDI Mini-Converter

**Control**



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

# 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 work well in tight spaces around and behind equipment racks, displays, in trucks and on camera.

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

OPTICAL FIBER | 4K HDR

**FiDO-T-12G** $785
1-Channel 12G-SDI to Single Mode
LC Fiber Transmitter, with SDI Loop Out

OPTICAL FIBER | 4K HDR

**FiDO-R-12G** $785
1-Channel Single Mode LC Fiber to
12G-SDI Receiver, with Dual SDI Outputs

OPTICAL FIBER | 4K HDR

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

OPTICAL FIBER | 4K HDR

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

OPTICAL FIBER | 4K HDR

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

OPTICAL FIBER | 4K HDR

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

OPTICAL FIBER | 4K HDR

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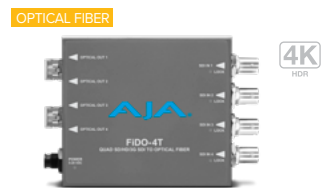4-Channel 3G-SDI Single Mode
ST Fiber to 3G-SDI Receiver

OPTICAL FIBER | 4K HDR

**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 | 4K HDR

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

OPTICAL FIBER | 4K HDR

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

OPTICAL FIBER | 4K HDR

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

OPTICAL FIBER | 4K HDR

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

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

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

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

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

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

**FiDO-2T-X** $1,240
2-Channel 3G-SDI to Single Mode
LC Fiber Transmitter for CWDM SFPs
*(Includes one CWDM SFP module)*

**FiDO-T-MM** $690
1-Channel 3G-SDI to Multi-Mode
LC Fiber Transmitter, with SDI Loop Out

**FiDO-R-MM** $690
1-Channel Multi Mode LC Fiber to
3G-SDI Receiver, with Dual SDI
Outputs

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

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

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

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

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

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

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

# **Mini-Converter** Accessories

**CMP** $99
Converter Mounting Plate

**DRM** $590
Mini-Converter Rackmount Frame
with 50W Power Supply

**DRM FCP** $100
Faceplate for DRM

**DRM- P/S ASSY** $250
DRM Spare 50W Power Supply

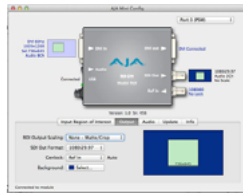**5** LEGENDARY **YEAR** WARRANTY

**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

Download on the
App Store

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

# 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 AJA OG-X-FR.



**OG-X-FR** $1449
openGear Compatible Rackframe

**SCAN CONVERT**
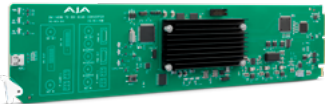


**OG-ROI-DVI** $995
openGear DVI to 3G-SDI Scan Converter with Region of Interest and Frame Synchronizer

**SCAN CONVERT**
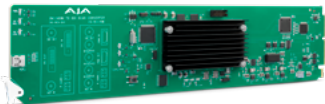


**OG-ROI-HDMI** $995
openGear HDMI to 3G-SDI Scan Converter with Region of Interest and Frame Synchronizer

**HDMI**


4K HDR

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

**HDMI**


4K HDR

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

**SCALING**


4K
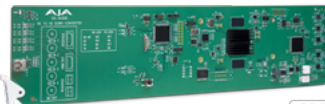
**OG-4K2HD** $795
openGear 4K/UltraHD to 3G-SDI and HDMI Down-Converter

**SCALING**



**OG-UDC** $695
openGear HD/SD Up, Down, Cross-Converter and Frame Synchronizer
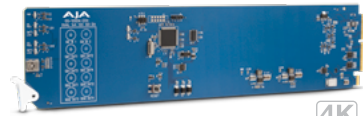
**INFRASTRUCTURE**



**OG-FS-Mini** $695
openGear 3G/HD/SD-SDI Utility Frame Synchronizer

**INFRASTRUCTURE**



**OG-3G-AMD** $795
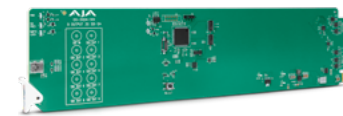openGear 3G-SDI 8-Channel 24-bit AES Embedder/Disembedder

**openGear**

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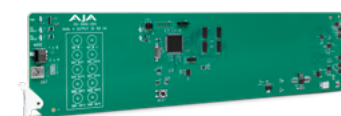**OG-12GDA-2x4** $695
openGear 1x8 or Dual 2x4 12G-SDI
Reclocking DA

**4K** HDR

**OG-3GDA-1x9** $495
openGear 1x9 3G-SDI Reclocking DA

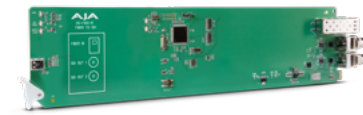**OG-3GDA-2x4** $550
openGear 1x8 or Dual 2x4 3G-SDI
Reclocking DA
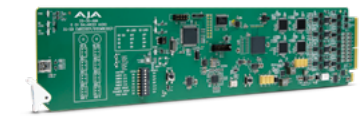
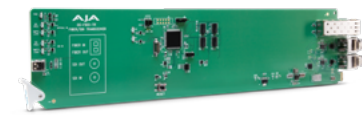**OG-3G-AMA** $795
openGear 3G-SDI Analog Audio
Embed/Disembed

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**OG-FiDO-T** $445
openGear 1-Channel 3G-SDI to Single Mode LC
Fiber Transmitter, with SDI Loop Out

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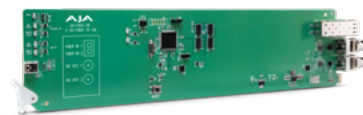openGear 1-Channel Single Mode
LC Fiber to 3G-SDI Receiver

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

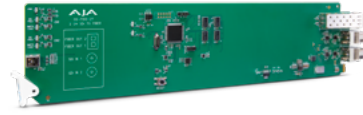**OG-FiDO-2T** $645
openGear 2-Channel 3G-SDI to
Single Mode LC Fiber Transmitter

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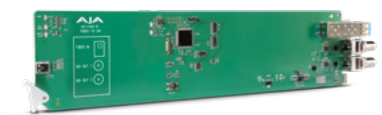openGear 2-Channel 3G-SDI to
Single Mode LC Fiber Receiver

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

*(Includes CWDM SFP module)*

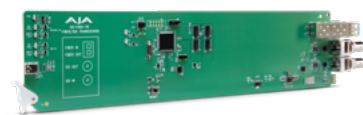**OG-FiDO-T-MM** $690
openGear 1-Channel 3G-SDI to
Multi-Mode 3G-SDI Transmitter

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

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

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

**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.

AJA's KONA, Io and T-TAP products are also compatible with the SDK, opening even more I/O choices.

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

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

**3 LEGENDARY YEAR WARRANTY**

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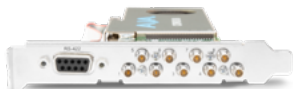
**Corvid 88** $2,795
8-lane PCIe 2.0 card for 8/10-bit YCbCr or 12-bit RGB with simultaneous 4K in and out or eight independent mixed channel I/O.
*Low Profile and Fanless versions available.*

**Corvid 44 12G** $2,995
8-lane PCIe 3.0 for 8/10-bit YCbCr or 12-bit RGB with 8K in or out or 4K independent mixed channel 12G-SDI I/O. HD-BNCs.
*Low Profile and Fanless versions available.*

**Corvid 44 12G BNC** $2,895
8-lane PCIe 3.0 for 8/10-bit YCbCr or 12-bit RGB with 8K in or out or 4K independent mixed channel 12G-SDI I/O. Full-sized BNCs.
*Fanless version 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 I/O.
*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 I/O. Full-sized BNCs
*Fanless version available.*

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

**Corvid 24** $1,895
4-lane PCIe 2.0 8/10-bit for four 3G-SDI channels of digital I/O, bypass relays for continuation of SDI input signal to SDI output in event of signal failure.

**Corvid HEVC** $4,995
4K or multi-channel HD, 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.

# HDBaseT Camera System

## RovoCam $2,495

### Integrated UltraHD/HD Camera with HDBaseT



**HDBT™**

Size (W x D x H): 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

### RovoControl Software Features

- Control and configure software for Rovocam
- When RovoCam is in UltraHD Mode, RovoControl's unique ePTZ feature allows the user to select a 1080p HD ROI (Region of Interest) frame from the UltraHD raster for 1080p 50 or 1080p 59.94 output with full Pan, Tilt and Zoom capabilities.
- Exposure control for simple camera control in the GUI
- Preset command and control with global, camera and ePTZ
- Import/Export of settings for sharing setups and configurations
- High DPI UI mode for GUI on high rez displays
- Crosshair selector for refined Spot AE and Spot Focus control
- Zoom control

## 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