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35 HDBaseT Powered Camera and Receivers
UltraHD/HD capture in a range of scenarios from Sports venues to live events, facilities, and HOW use.
**Ki Pro**

**ULTRA 12G**

- 12G-SDI 4K/UltraHD/2K/HD recorder/player and multi-channel ProRes HD recorder
- Genlock free multi-channel recording
- Single channel recording up to 4K 60p
- Support for 8K VPID multi-unit playback
- Records and plays back up to ProRes 4444 XQ
- Records and plays back up to Avid DNxHR HQX
- HDR recording and playback
- 1x 12G-SDI and 3x 3G-SDI I/O
- HDMI 2.0 I/O
- SFP fiber cage I/O
- Analog audio I/O (DB-25 loom connectivity)

**GO**

- Multi-channel HD H.264 recording
- 5x USB recording media ports, compatible with off-the-shelf USB 3.2 Gen 1 media
- Recording to network (SMB) storage
- Redundant recording to user selectable destinations – USB or SMB
- Up to 25Mbps bit rate
- Network file download
- Enhanced Super Out
- Front panel audio monitoring
- LTC on analog audio input
- Drive formatting

**AJA Pak Media**

Available in 2TB, 1TB, 512GB and 256GB capacities

www.aja.com

**Size (W x D x H): 219.46 x 268.60 x 84.08 mm**
Ki Pro Rack $1,995

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

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

www.aja.com
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.

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.
Multi-Channel Video Encoding, Decoding, Streaming and Transcoding for Live Video  $14,995

BRIDGE LIVE is a turnkey solution built for critical streaming applications with high performance bi-directional SDI video encoding/decoding, stream-based transcoding, flexible I/O, comprehensive metadata support, and a compact 1RU form factor with redundant power supplies.

A collaboration between AJA and Comprimato and designed with the ability to support both low latency and high quality workflows across a range of codecs, containers, and protocols, BRIDGE LIVE enables numerous use cases; Multi-input live streaming to platforms such as YouTube, Facebook, or Twitch, providing high quality reference video for remote collaboration in production and post, backhauling remote live SDI video sources to the media production facility, SDI to MPEG-TS conversions for Telcos/IPTV/Cable networks, through to encoding for content distribution with ABR ladder profiles or hand-off for OTT packaging, and all supported via public internet.

BRIDGE LIVE
• Up to 4-channels of HD or 1-channel of UltraHD via 12G-SDI I/O
• H.265, H.264, and H.262(MPEG-2) encode, decode and transcode
• Optional JPEG 2000 encode/decode license
• Selectable profiles for 10-bit and 8-bit, 4:2:2 and 4:2:0
• Closed Captioning support
• RTMP/S, SRT (plus encryption), RTP/UDP, and MPEG-TS
• ABR Ladder Profiles
• Hand-off for OTT packaging
• Dual 10GbE interface for control and transport
• Local control or Remote WebUI operation
• Monitoring, Control and Automation supported via REST API or SNMP
• Dual power supplies for critical application redundancy

SRT ALLIANCE
SECURE RELIABLE TRANSPORT

BRIDGE LIVE offers a comprehensive platform for live video streaming. Streaming support includes SRT, RTMP/S, RTP/UDP, and MPEG-TS. Using these standard protocols provides wide support for streaming services from Twitch, YouTube Live, and Facebook Live. BRIDGE LIVE builds upon the tried and tested approach of AJA’s HELO streaming device, while including flexibility for multiple inputs, broad format and bit-rate support, as well as metadata and redundancy.

encoding for distribution
BRIDGE LIVE facilitates primary distribution of finished and mastered content to partners for subsequent streaming to audiences.

Remote Video Transport and Contribution
BRIDGE LIVE provides an efficient mechanism for backhauling remote live SDI video sources to the media production facility, in order to be converted back to SDI and made available on the internal facility SDI router for ongoing production/transmission.

BRIDGE LIVE allows source cameras and local program out to be transported using publicly available internet, with no penalty for early or extended use during a production. BRIDGE LIVE also offers lower latency than traditional secure lines for time critical productions.

Transport, Encoding and Delivery
BRIDGE LIVE can be used for low latency or high quality tasks. Depending on configuration, latency can be as low as 200ms. BRIDGE LIVE gives you a flexible toolset to deliver to your needs.
• RTMP, RTMPS (output)
• RTP, UDP
• SRT (plus encryption)
• MPEG Transport Stream
• ABR Ladder Profiles
• Hand-off for OTT packaging

Live Direct-To-Audience Streaming
BRIDGE LIVE offers a comprehensive platform for live video streaming. Streaming support includes SRT, RTMP/S, RTP/UDP, and MPEG-TS. Using these standard protocols provides wide support for streaming services from Twitch, YouTube Live, and Facebook Live. BRIDGE LIVE builds upon the tried and tested approach of AJA’s HELO streaming device, while including flexibility for multiple inputs, broad format and bit-rate support, as well as metadata and redundancy.

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

**HELO** $1,295

**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.

**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, you have covered for live audio capture.

**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 RTMP, 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.

**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.

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**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.
**Io 4K Plus** $2,495

- 4K/UltraHD/2K/HD/SD 10-bit I/O up to 50/60p
- 4x bidirectional 12G-SDI BNC with 16-channel embedded audio
- 4K/UltraHD HDMI 2.0 I/O with 8-channel embedded audio
- Two Thunderbolt 3 ports with loop through
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- 4K Closed Caption Support
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10 and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Analog Audio flexibility with a choice of 8-channel In or 8-channel Out or 4-channel In and 4-channel out
- XLR 12V power for battery or AC use
- Headphone jack and level control for mobile environments
- RS-422 VTR control, Reference, LTC Input
- Three year warranty

**Io IP** $2,495

- 4K/UltraHD Input or Output, and 2K/HD/SD I/O, 10-bit up to 50/60p
- SMPTE ST 2110 up to 4K/UltraHD, ST 2022-6 up to 2K/HD
- ST 2022-7 Tx support up to 2K/HD
- Two Thunderbolt 3 ports with loop through
- 2x 10 GigE SFP connections for multi-channel I/O
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- Local baseband monitoring via 3G-SDI and/or HDMI 2.0
- 48 kHz 16 and 24-bit embedded audio, 16-channel SDI, 8-channel HDMI
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10 and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Analog Audio flexibility for 8-channel In or 8-channel Out, or 4-channel In and 4-channel out
- XLR 12V power for battery or AC use
- Headphone jack and level control for mobile environments
- NIMOS 1.3, PTP and LLDP support, plus Reference/LTC Input
- Three year warranty

Size (W x D x H): 222.0 x 206.0 x 41.9 mm

www.aja.com
Io® Powerful and Flexible Professional I/O

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 5

- 8K/UltraHD2/4K/UltraHD/2K/HD/SD up to 50/60p
- 4x bidirectional 12G-SDI spigots with 16-channel embedded audio
- HDMI 2.0 output, 4K/UltraHD HFR, plus 8K to 4K downsampling
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- 8K support for Apple Final Cut Pro, Adobe Premiere Pro and Avid Media Composer, 8K or multi-channel 4K support for OEM applications with AJA SDK
- Dynamic FPGA Firmware Reconfiguration
- 4K Closed Caption Support
- VPI signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10, HDR10+ and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Compatible with leading creative apps
- Reference Input on card (Analog black burst or Tri-Level)
- Included breakout cable for LTC, RS-422, 8-ch AES/EBU
- Three year warranty

KONA IP

- 4K/UltraHD Input or Output, and 2K/HD/SD I/O, 10-bit up to 50/60p
- SMPTE ST 2110 up to 4K/UltraHD, ST 2022-6 up to 2K/HD
- ST 2022-7 Tx support up to 2K/HD
- 2x 10 GigE SFP connections for multi-channel I/O
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- Local baseband monitoring via HDMI 1.4b
- 48 kHz 16 and 24-bit embedded audio, 16-channel IP, 8-channel HDMI
- PQ, HLG, HDR10 and Dolby Vision supported (application dependent)
- HDR Metadata Capture and Auto Playback Detection
- NMOST 1.3, PTP and LLDP Support, plus Reference/LTC Input
- Three year warranty

www.aja.com
KONA HDMI

- 4K/UltraHD/2K/HD/SD up to 50/60p
- 4x full-size HDMI inputs each with 8-channel embedded audio
- HDMI 2.0 (port 1 & 2) and HDMI 1.4b (ports 3 & 4)
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- Simultaneous capture of 2x 4K/UltraHD or 4x 2K/HD
- Capture stunning HDR from cameras, game consoles, and more
- PQ, HLG, HDR10 and Dolby Vision Support
- HDR Metadata Capture
- Video4Linux (V4L2) and DirectShow support
- Compatible with leading creative apps
- Three year warranty

KONA HDMI

- 4K/UltraHD/2K/HD/SD up to 50/60p
- 4x bidirectional 3G-SDI spigots with 16-channel embedded audio
- HDMI 1.4b monitoring with 8-channel embedded audio, plus 4K to HD downsampling
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- Real time up, down, cross-conversion (HD/SD)
- 4K Closed Caption Support
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10, HDR10+ and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- Compatible with leading creative apps
- Included breakout cable for Ref (Analog or Tri-level), LTC, RS-422, 8-ch AES/EBU
- Extend external connectivity with K3G-BOX breakout box
- Three year warranty

KONA 4

- 4K/UltraHD/2K/HD/SD up to 50/60p
- 4x full-size HDMI inputs each with 8-channel embedded audio
- HDMI 2.0 (port 1 & 2) and HDMI 1.4b (ports 3 & 4)
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- Real time up, down, cross-conversion (HD/SD)
- 4K Closed Caption Support
- Video4Linux (V4L2) and DirectShow support
- Compatible with leading creative apps
- Three year warranty

K3G-Box

- $395

KONA 4

- $1,995

KONA HDMI

- $895
KONA 1
- 2K/HD/SD up to 50/60p
- 2x 3G-SDI spigots (In, Out) with 16-channel embedded audio
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- VPID signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG and Dolby Vision Support
- HDR Metadata Capture and Auto Playback Detection
- RS-422 support on 9-pin external connector
- Low profile form factor also available with internal RS-422 header
- Reference/LTC Input on card (Analog black burst or Tri-level)
- Compatible with leading creative apps
- Three year warranty

KONA LHi
- 2K/HD/SD up to 50/60p
- 2x 3G-SDI spigots (In, Out) with 8-channel embedded audio
- YCbCr 4:2:2 10-bit and HD HFR workflows supported
- Real time up, down and cross-conversion for HD and SD with pristine 10-bit quality
- Compatible with leading creative apps
- Included breakout cable for Ref (Analog or Tri-level), RS-422, 2-ch AES/EBU, Analog composite or S-video, or SDI/HD component
- Extend external connectivity with KLHi-BOX breakout box
- Three year warranty

KLHi-BOX $349
KONA™ LHe Plus $995

KONA LHe Plus
- HD-SDI and SD-SDI up to 1080 30p / 720 60p
- 3x 1.5G-SDI spigots (1x In, 2x Out) with 8-channel embedded audio
- YCbCr 4:2:2 10-bit workflows supported
- Real time HD to SD down-conversion with pristine 10-bit quality
- Compatible with leading creative apps
- Included breakout cable for Ref (Analog Color Black or Composite Sync), RS-422, 2-ch AES/EBU, Analog composite or S-video, or SD/HD component, 2-ch analog audio I/O
- Extend external connectivity with KL-BOX-LH breakout box
- 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

www.aja.com
**U-TAP**  USB 3.0 Powered 3G-SDI and HDMI Capture

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**U-TAP SDI**  $345

- HD/SD Capture up to 1080 60p over USB
- 1x 3G-SDI BNC with 2-channel embedded audio
- 1x 3G-SDI SDI loop-out
- 1x USB 3.0 (USB 3.2, Gen 1) connector
- YCbCr 4:2:2 10-bit workflows supported
- HD/SD and scaled (USB) raster support
- Configurable behavior upon loss of input signal
- UVC/UAC capture, no third party driver required
- Compact, silent and pocketable
- Bus-powered, no power adapter required
- macOS, Windows and Linux supported
- Universal application compatibility
- Three year warranty

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**U-TAP HDMI**  $345

- HD/SD Capture up to 1080 60p over USB
- 1x HDMI 1.4a with 2-channel embedded audio
- 1x USB 3.0 (USB 3.2, Gen 1) connector
- YCbCr 4:2:2 10-bit workflows supported
- RGB 4:4:4 / YCbCr 4:4:4 10/12-bit (raster / frame rate dependent)
- HD/SD and scaled (USB) raster support
- Configurable behavior upon loss of input signal
- UVC/UAC capture, no third-party driver required
- Compact, silent and pocketable
- Bus-powered, no power adapter required
- macOS, Windows and Linux supported
- Universal application compatibility
- Three year warranty

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www.aja.com

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

Size (W x D x H): 83.82 x 60.96 x 25.4 mm
**T-TAP Pro**

- $795
- **4K/UltraHD/2K/HD/SD Output/Monitoring up to 50/60p**
- 1x 12G-SDI BNC with 16-channel embedded audio
- 1x HDMI 2.0 with 8-channel embedded audio
- 1x Thunderbolt 3 connector
- Compact, silent, mobile form-factor with Front-panel Audio Levels Reference Display
- RGB 4:4:4 12-bit, YCbCr 4:2:2 10-bit and HFR workflows supported
- 4K Closed Caption Support
- VIPD signaling for SDR/HDR Transfer Characteristics, Colorimetry and Luminance via SDI
- PQ, HLG, HDR10 and Dolby Vision Support
- HD-R Metadata Auto Playback Detection
- Headphone jack and quick access audio level control for mobile environment
- Three year warranty

**T-TAP**

- $295
- **2K/HD/SD Output/Monitoring for 2K up to p25 and 1080 up to p30**
- 1x 3G-SDI BNC with 8-channel embedded audio
- 1x HDMI 1.3 with 8-channel embedded audio
- 1x Thunderbolt connector
- YCbCr 4:2:2 10-bit workflows supported
- Compact, silent and pocketable at 0.2 lb (0.1 kg)
- No power cable required; 5V Thunderbolt bus powered; 6.5W max
- Three year warranty

**View Compatibility Chart**
HDR Image Analyzer 12G

HDR Waveform, Histogram and Vectorscope Monitoring  $19,995

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.

The HDR Image Analyzer 12G offers 4x 12G-SDI bi-directional I/O and DisplayPort output connections with up to UltraHD resolution for the PQ high-resolution GUI.

8K/UltraHD2 Analysis

HDR Image Analyzer 12G provides the necessary connectivity to support advanced 8K/UltraHD2 HDR and SDR production monitoring and analysis workflows. Providing the same high quality and precision analysis tools available for all other video formats, this powerful analyzer is a smart investment for today’s needs as well as ensuring you are ready for tomorrow’s.

Input Support

With input support for both leading camera LOG formats as well as SDR, HLG, and PQ monitoring from a range of sources, HDR Image Analyzer 12G takes the pain out of HDR monitoring. With a wide range of analysis tools and automatic error logging with timecode stamping, HDR Image Analyzer 12G ensures your production achieves the desired final results.

ACES Support

The Academy Color Encoding System (ACES) is fast becoming an industry standard for managing color throughout the life cycle of a motion picture or television production. HDR Image Analyzer 12G supports an ACES Grading Colorspace and offers ACEScct signal analysis for real time integration with ACES workflows.

Configurable Layouts

HDR Image Analyzer 12G’s interface provides a quadrant layout for viewing your tools and footage as you work. Quick key shortcuts provide pre-configured common layouts for how your tools and views are presented. For further customization, you can also choose a particular tool to be shown in any of the quadrants.
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/UltroHD/2K/HD and in 4-channel mode, offers four simultaneous and independent channels of 2K/HD conversions. FS-HDR offers ganged operational control of multiple FS-HDRs supporting 8K/UltroHD2, Colorfront Engine TV, Live, and Film-Modes, ACES support, Dynamic Multi-Channel LUT capabilities, BBC HLG LUTs, ability to upload custom 3D LUTs, extensive audio processing, and more

Firmware v4.0 adds the new Colorfront Engine TV Mode that simplifies controls to just the essentials for Color Correction and Camera Correction for live television productions with two new powerful highlight and roll-off management controls for Knee Point and Knee Slope. The BBC HLG LUT support is also updated to the very latest v1.4 BBC HLG LUTs.
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
**FS1-X** $3,495

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

- 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

Size (W x D x H): 482.6 x 406.4 x 44.45 mm

---

**FS1** $2,995

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

- 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

Size (W x D x H): 438.1mm x 317.5mm x 44.4mm
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.
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

12GM $895
12G-SDI to/from Quad 3G-SDI, Multiplexer

3GM $495
3G-SDI to/from Dual SDI, Multiplexer

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

GEN10 $345
HD/SD Sync Generator

12G-AM $995
12G-SDI 8-Channel AES Embedder/Disembedder

12G-AM-TR $1395
12G-SDI 8-Channel AES Embedder/Disembedder with LC Fiber TR SFP

12G-AM-T $1295
12G-SDI 8-Channel AES Embedder/Disembedder with LC Fiber Tx SFP

12G-AM-T-ST $1395
12G-SDI 8-Channel AES Embedder/Disembedder with ST Fiber Tx SFP
12G-AM-R $1295
12G-SDI 8-Channel AES Embedder/Disembedder, with LC Fiber Rx SFP

12G-AM-R-ST $1395
12G-SDI 8-Channel AES Embedder/Disembedder, with ST Fiber Rx SFP

12G-AMA-TR $1395
12G-SDI 4-Channel Analog Audio Embedder/Disembedder With LC Fiber TR SFP

12G-AMA-T $1295
12G-SDI 4-Channel Analog Audio Embedder/Disembedder With LC Fiber Tx SFP

12G-AMA-T-ST $1395
12G-SDI 4-Channel Analog Audio Embedder/Disembedder With ST Fiber Tx SFP

12G-AMA-R $1295
12G-SDI 4-Channel Analog Audio Embedder/Disembedder With LC Fiber Rx SFP

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

12G-AMA $995
12G-SDI 4-Channel Analog Audio Embedder/Disembedder

12G-AMA-R-ST $1395
12G-SDI 4-Channel Analog Audio Embedder/Disembedder With ST Fiber Rx SFP

12GAMA $995
12G-SDI 4-Channel Analog Audio Embedder/Disembedder

12GAMA $995
12G-SDI 4-Channel Analog Audio Embedder/Disembedder

12GDA $495
1x6 12G-SDI Reclocking Distribution Amplifier

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

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

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

C10DA $175
1x6 Analog Video Distribution Amplifier
Hi5-12G $795
12G-SDI to HDMI 2.0 Mini-Converter

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

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

Hi5-12G-R-ST $1095
12G-SDI to HDMI 2.0 Mini-Converter, with ST Fiber Rx SFP

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

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

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

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

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

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

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

HA5-12G-T-ST $1095
HDMI 2.0 to 12G-SDI Mini-Converter, with ST Fiber Tx SFP

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

HA5-4K $595
4K/UltraHD HDMI to 4K/UltraHD SDI Mini-Converter
<table>
<thead>
<tr>
<th>Model</th>
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<th>Description</th>
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<tbody>
<tr>
<td>V2Digital</td>
<td>$345</td>
<td>Analog Video to HD/SD-SDI Mini-Converter</td>
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<tr>
<td>V2Analog</td>
<td>$345</td>
<td>HD/SD-SDI to Analog Audio/Video Mini-Converter</td>
</tr>
<tr>
<td>HD10A-Plus</td>
<td>$695</td>
<td>HD Analog to HD-SDI Mini-Converter</td>
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<tr>
<td>HD10AVA</td>
<td>$695</td>
<td>HD/SD Analog Composite or Component Video and 4-Channel Analog Audio to</td>
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<td></td>
<td></td>
<td>SD/HD-SDI with Embedded Audio</td>
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<tr>
<td>HD10CEA</td>
<td>$695</td>
<td>HD/SD-SDI to Analog Audio/Video Mini-Converter</td>
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<tr>
<td>LUT-box</td>
<td>$695</td>
<td>In-line Color Transform Mini-Converter</td>
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<tr>
<td>RovoRx-HDMI</td>
<td>$495</td>
<td>HDBaseT to HDMI Mini-Converter with PoH</td>
</tr>
<tr>
<td>RovoRx-SDI</td>
<td>$995</td>
<td>HDBaseT to 6G/3G-SDI and HDMI Mini-Converter with POH, Genlock</td>
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<tr>
<td>HB-T-HDMI</td>
<td>$395</td>
<td>HDMI to HDBaseT Mini-Converter</td>
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<td>HB-T-SDI</td>
<td>$595</td>
<td>3G-SDI to HDBaseT Mini-Converter</td>
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<td>HB-R-HDMI</td>
<td>$395</td>
<td>HDBaseT to HDMI Mini-Converter</td>
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<td>HB-R-SDI</td>
<td>$595</td>
<td>HDBaseT to 3G-SDI Mini-Converter</td>
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</tbody>
</table>
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. 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

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

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

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

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

**FiDO-R-12G-ST $895**
1-Channel Single Mode ST Fiber to 12G-SDI Receiver, with Dual SDI Outputs
FiDO-4T $1,495
4-Channel 3G-SDI to Single Mode LC Fiber Transmitter

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

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

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

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

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

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

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

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

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

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

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

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

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

FiDO-T-MM $690
1-Channel 3G-SDI to Multi-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-R-ST $445
1-Channel Single Mode ST Fiber to 3G-SDI Receiver, with Dual SDI Outputs

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

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

- **CMP** $99
  Converter Mounting Plate

- **RMB** $7
  Rackmount Bracket

- **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

- **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

www.aja.com
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

openGear | OG-DANTE-12GAM $2495

OG-DANTE-12GAM
- Support for 12G/6G/3G SDI audio embedding to- and from- the Dante audio ecosystem
- Dual and independent 12G-SDI Input and Output ports, each supporting 16-audio channels, totaling 64-channels per card in a compact design
- 1x Primary and 1x Secondary 1Gb Ethernet ports
- 64-ch of simultaneous SDI/Dante audio bridging per card
- DashBoard support for remote signal status and configuration
- Compatible with a range of Dante Software from Audinate
- High density and small form factor, enabling 10 cards to be utilized in a single openGear frame for up to 640 channels of SDI/Dante audio bridging
- Hot-swap capable
- Compatible with OG-X-FR and OG-3-FR openGear frames
OG-FIDO-TR-12G $1325
openGear 1-Channel 12G-SDI/LC Single Mode LC Fiber Transceiver

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

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

OG-FIDO-TR-12G-MM $1325
openGear 1-Channel 12G-SDI/LC Multi-Mode LC Fiber Transceiver

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

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

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

OG-FIDO-T-MM $690
openGear 1-Channel Single Mode LC Fiber to Multi-Mode LC Fiber Transmitter, with SDI Loop Out

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

OG-FIDO-2R-MM $690
openGear 2-Channel Multi-Mode LC Fiber to 3G-SDI Receiver

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

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

OG-X-PS $679
Optional Redundant Power Supply for OG-X-FR Frame

www.aja.com
AJA provides a range of products and optional SFP modules to allow you to make the most of your fiber infrastructure. You have the flexibility in many cases to order your AJA model variant with an SFP already installed at time of purchase, and in other cases you may wish to order additional optional SFPs alongside your initial purchase or post purchase.

### Single Mode LC SFP Modules
Single and Dual Channel LC Fiber Transmitters and Receivers

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIBERLC-2-TX</td>
<td>$295</td>
<td>2-Channel 3G-SDI Single Mode LC Fiber Transmitter</td>
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<tr>
<td>FIBERLC-2-RX</td>
<td>$295</td>
<td>2-Channel 3G-SDI Single Mode LC Fiber Receiver</td>
</tr>
<tr>
<td>FIBERLC-1-TX</td>
<td>$195</td>
<td>1-Channel 3G-SDI Single Mode LC Fiber Transmitter</td>
</tr>
<tr>
<td>FIBERLC-1-RX</td>
<td>$195</td>
<td>1-Channel 3G-SDI Single Mode LC Fiber Receiver</td>
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### Single Mode SC SFP Modules
Single Channel SC Fiber Transmitters and Receivers

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<tr>
<th>Model</th>
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<th>Description</th>
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<td>FIBERSC-1-TX</td>
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<td>1-Channel 3G-SDI Single Mode SC Fiber Transmitter</td>
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<tr>
<td>FIBERSC-1-RX</td>
<td>$195</td>
<td>1-Channel 3G-SDI Single Mode SC Fiber Receiver</td>
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### Multi-Mode LC SFP Modules
Single and Dual Channel LC Fiber Transmitters and Receivers

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>FIBERLC-2-TX-MM</td>
<td>$345</td>
<td>2-Channel 3G-SDI Multi-Mode LC Fiber Transmitter</td>
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<tr>
<td>FIBERLC-2-RX-MM</td>
<td>$345</td>
<td>2-Channel 3G-SDI Multi-Mode LC Fiber Receiver</td>
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<tr>
<td>FIBERLC-1-TX-MM</td>
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<td>1-Channel 3G-SDI Multi-Mode LC Fiber Transmitter</td>
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<tr>
<td>FIBERLC-1-RX-MM</td>
<td>$295</td>
<td>1-Channel 3G-SDI Multi-Mode LC Fiber Receiver</td>
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</table>

### Single Mode 12G SFP Modules
Single and Dual Channel 12G LC, ST Fiber, HD-BNC Transmitters, Receivers and Transceivers

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIBERLC-2TX-12G</td>
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<td>2-Channel 12G-SDI Single Mode LC Fiber Transmitter</td>
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<td>FIBERLC-2RX-12G</td>
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<tr>
<td>FIBERLC-TR-12G</td>
<td>$445</td>
<td>1-Channel 12G-SDI Single Mode LC Fiber Transceiver</td>
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<tr>
<td>FIBERLC-1TX-12G</td>
<td>$295</td>
<td>1-Channel 12G-SDI Single Mode LC Fiber Transmitter</td>
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<td>FIBERLC-1RX-12G</td>
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<td>FIBERST-1TX-12G</td>
<td>$395</td>
<td>1-Channel 12G-SDI Single Mode ST Fiber Transmitter</td>
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<tr>
<td>FIBERST-1RX-12G</td>
<td>$395</td>
<td>1-Channel 12G-SDI Single Mode ST Fiber Receiver</td>
</tr>
</tbody>
</table>
CORVID

PCle 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

Corvid 88 $2,795
High density 12-bit RGB or 10-bit YCbCr with simultaneous 4K input/output, or eight independent mixed channel I/O. Low Profile and Fanless versions available.

Corvid 44 12G $2,995
8K or multi-channel 4K, 12-bit RGB or 10-bit YCbCr with four independent bi-directional 12G-SDI I/O and HD-BNCs. Low Profile and Fanless versions available.

Corvid 44 BNC $2,895
8K or multi-channel 4K, 12-bit RGB or 10-bit YCbCr with four independent bi-directional 12G-SDI I/O and full-size BNCs. Fanless version available.

Corvid 24 $1,895
Multi-channel HD or single-channel 4K I/O supporting RGB 8-bit, or YCbCr 10-bit with bypass relays continuation of SDI input signal to SDI output in event of signal failure.

Corvid HEVC $4,995
4K or multi-channel HD HEVC encoding from up to 4K 60p video input, or file to file encoding. 4:2:0 / 4:2:2 at 8- or 10-bits. Slot powered, or ATX6 versions available.
HDBaseT Camera System

RovoCam $2,495
Integrated UltraHD/HD Camera with HDBaseT

RovoRx | SDI $995
UltraHD/HD HDBaseT Receiver to 6G/3G-SDI and HDMI Frame Sync w/ PoH, Genlock

RovoRx | HDMI $495
UltraHD/HD HDBaseT Receiver to HDMI with PoH

RovoRx-SDI Features
- 4x 6G/3G-SDI UltraHD/HD SDI 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 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

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

www.aja.com

Size (W x D x H): 71.12 x 149.86 x 91.44 mm

HDBaseT Camera System

3 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.