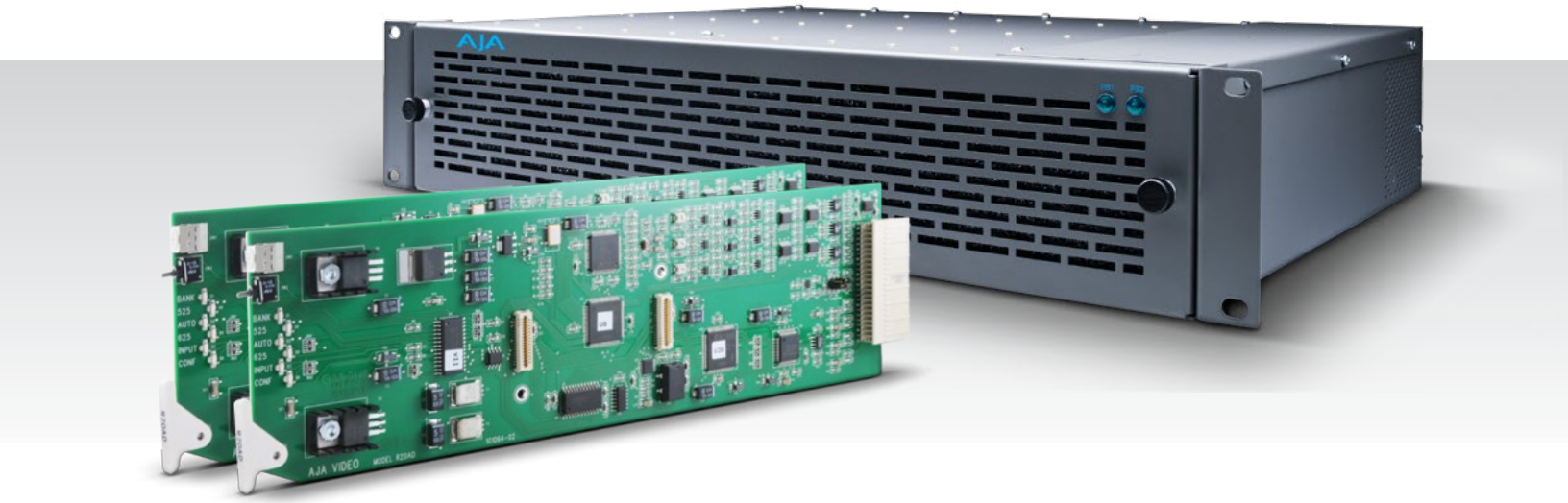
Rackframe Catalog
Fall 2017



AJA VIDEO SYSTEMS

openGear®

OG-3-FR

openGear Compatible Rackframe

openGear is an open-architecture, modular frame system designed by Ross Video and supported by a diverse range of terminal equipment manufacturers, which now includes AJA Video Systems.

The AJA OG-3-FR is a 2RU high openGear frame which is compatible with any AJA openGear card. The frame has a 20-slot capacity with excellent cooling capabilities for high-density applications and compatibility with advanced openGear connectivity options for supported cards.

$1249 US MSRP*

OG-3G-AM

openGear 3G-SDI 8-Channel 24-bit AES Embedder / Disembedder

The OG-3G-AM is a state of the art, openGear compatible, 8-channel AES audio Embedder/ Disembedder with support for 3G-SDI input and output up to 1080p/60. Simple user controls allow channel enabling and mapping. A 10 BNC rear Open Gear connector module is included.

$795 US MSRP*

Features:

- • 3G-SDI Embedder / Disembedder in one board
- • Input: 1 x 3G-SDI, BNC connector
- 4 x AES, BNC connector (2 channels per input)
- Outputs: 1 x 3G-SDI, BNC connector
- 4 x AES, BNC connector (2 channels per output)
- Local and Remote modes
- Pass or drop non-audio HANC packets
- Configure via USB and Mini-Config software or DIP switch
- Power: 5.0 watts
- Compatible with DFR-8321 and OG3 openGear frames

** Pricing is for US only. International pricing will vary. Please contact a local AJA Reseller for pricing details.*

openGear®

OG-2x4-SDI-DA

openGear 2 x 4 3G-SDI Reclocking DA

The OG-2x4-SDI-DA is an openGear-compatible, state of the art 3G-SDI distribution amplifier. The incoming 3G-SDI signals on the 2 input channels are reclocked and distributed to 4 x 3G-SDI outputs each, or alternatively can function as a 1 x 8-Channel DA, allowing the same signal to be sent to eight destinations simultaneously. This dual input capability allows double the number of DAs in limited frame space. A 10 BNC rear Open Gear connector module is included.

$550 US MSRP

Features:

- Input: 2 x 3G-SDI, BNC connector (2 x 4 mode)
  1 x 3G-SDI, BNC connector (1 x 8 mode)
- Outputs: 4 x 3G-SDI each DA, BNC connector (2 x 4 mode)
  8 x 3G-SDI, BNC connector (1 x 8 mode)
- Automatic cable equalizer and automatic reclocker bypass
- Automatic detection and reclocking of 270Mb, 1.5Gb, and 3Gb SDI data rates
- Advanced jitter input tolerance and low jitter reclocked outputs
- Power: 2.0 watts max per card
- Hot swap capable
- Compatible with DFR-8321 and OG3 openGear frames

OG-1x9-SDI-DA

openGear 1x9 3G-SDI Re-Clocking DA

The OG-1x9-SDI-DA is a state-of-the-art, openGear-compatible, 3G-SDI distribution amplifier. The incoming SD, HD or 3G signal is re-clocked and distributed to each of the 9 3G-SDI outputs, allowing the same signal to be sent to multiple destinations simultaneously.

$495 US MSRP

Features:

- Input: 1x SDI, BNC connector
- Outputs: 9 x SDI, BNC connectors
- Automatic detection and reclocking of 270Mb, 1.5Gb, and 3Gb SDI data rates
- Bypass mode: 100 Mbps - 3 Gbps – auto bypassing for non SMPTE rates
- "Input Present" and "Input SMPTE Lock" LEDs
- Power: 2 watts
- Hot swap capable
- Compatible with DFR-8321 and OG3 openGear frames

** Pricing is for US only. International pricing will vary. Please contact a local AJA Reseller for pricing details.*

openGear®

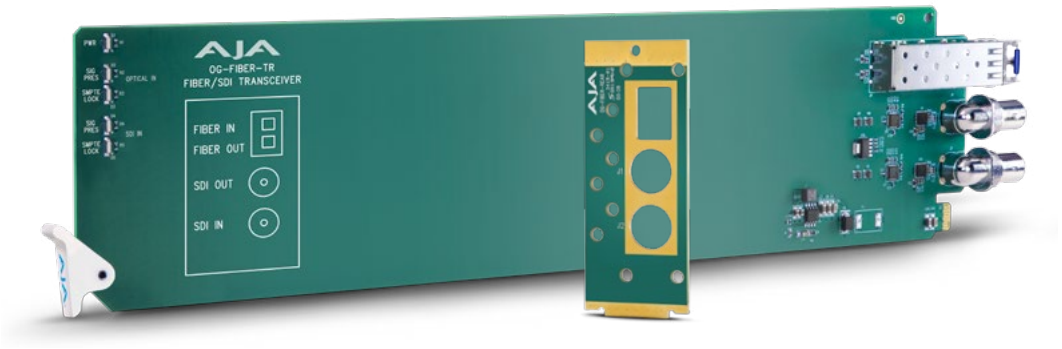
OG-FIBER-TR

openGear 1-Channel 3G-SDI/ LC Single-Mode LC Fiber Transceiver

The OG-FIBER-TR is a state of the art, openGear compatible 3G-SDI/Fiber transceiver. Both 3G-SDI to Fiber and Fiber to 3G-SDI conversions are supported.

openGear Mini-Converters offer unmatched flexibility and cost efficiency for 3G-SDI-Fiber conversion, allowing for long cable runs up to 10 km (32,808 ft) for Single-Mode.

$645 US MSRP*



Features:

- Automatic detection and re-clocking of 270Mb, 1.5Gb, and 3Gb SDI data rates
- Inputs: 3G-SDI, BNC connector; Fiber, LC connector
- Outputs: 3G-SDI, BNC connector; Fiber, LC connector
- Bypass mode: 50mb to 3gb – auto bypassing for non SMPTE rates
- Wavelength: 1310 nm
- Optical Power: -2dBm typical
- Power: 2.5 watts
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

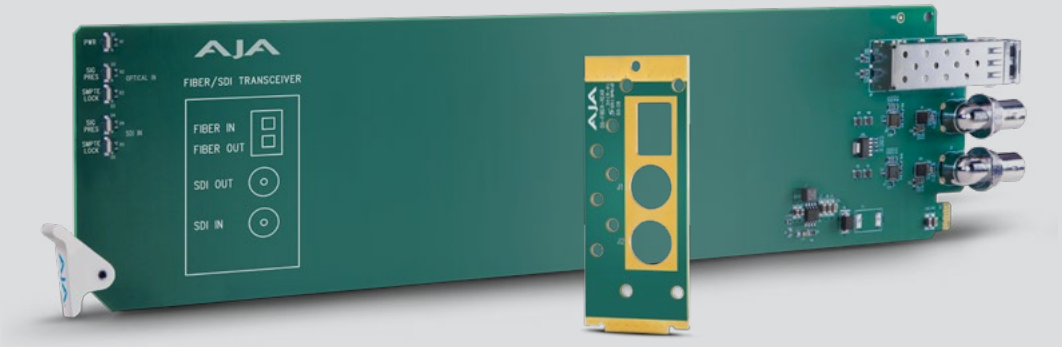
OG-FIBER-TR-MM

NEW!

openGear 1-Channel 3G-SDI/LC Multi-Mode LC Fiber Transceiver

OG-FIBER-TR-MM offers unmatched flexibility and cost efficiency for 3G-SDI Fiber conversion, allowing for cable runs up to 700 m (2296 ft) for OM4 and 300 m (984 ft) for OM3 for Multi-Mode* fiber optic cables - useful for eliminating ground loop problems.

$890 US MSRP*



Features:

- Video Formats: 100 Mbps - 3 Gbps, format agnostic
- Inputs: 1x 3G-SDI, BNC connector; 1x LC Fiber connector
- Outputs: 1x 3G-SDI, BNC connector; 1x LC Fiber connector
- Automatic detection and re-clocking
  - 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.966 Gbps, 2.970 Gbps - Auto Select
  - All other rates are passed through and not reclocked
- Wavelength: 850 nm
- Optical Sensitivity: -15dBm (min)
- Optical Power: -7dBm (min), -2dBm (max)
- Power: 2.5 watts
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

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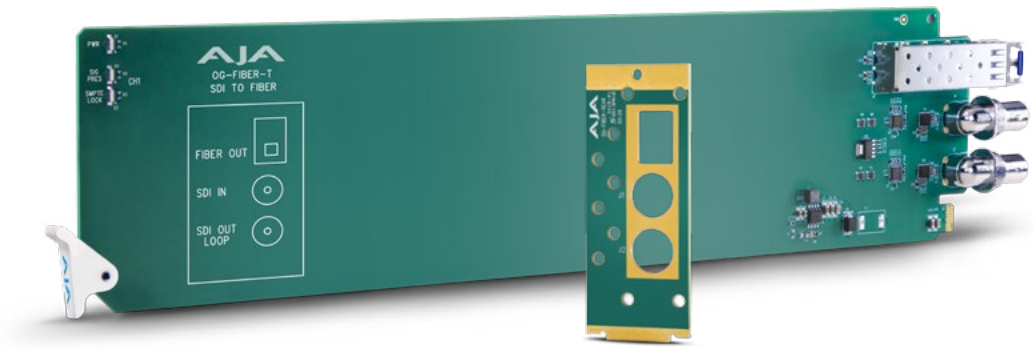
openGear®

OG-FIBER-T

openGear 1-Channel 3G-SDI to Single-Mode LC Fiber Transmitter

The OG-FIBER-T is a state of the art, openGear compatible 3G-SDI to Fiber converter, enabling 3G-SDI signals to be extended up to 10 km (32,808 ft) over standard single-mode fiber optic cable. The 3G-SDI input is re-clocked with best-in-class input jitter tolerance. A re-clocked looping 3G-SDI output is also provided.

$445 US MSRP*



Features:

- Automatic detection and re-clocking of 270Mb, 1.5Gb, and 3Gb SDI data rates
- Inputs: 3G-SDI, BNC connector
- Outputs: Single-mode optical fiber, LC connector; 3G-SDI, BNC (loop of input)
- Bypass mode: 50mb to 3gb – auto bypassing for non SMPTE rates
- Wavelength: 1310 nm
- Optical Power: -2dBm typical
- Power: 2.5 watts
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

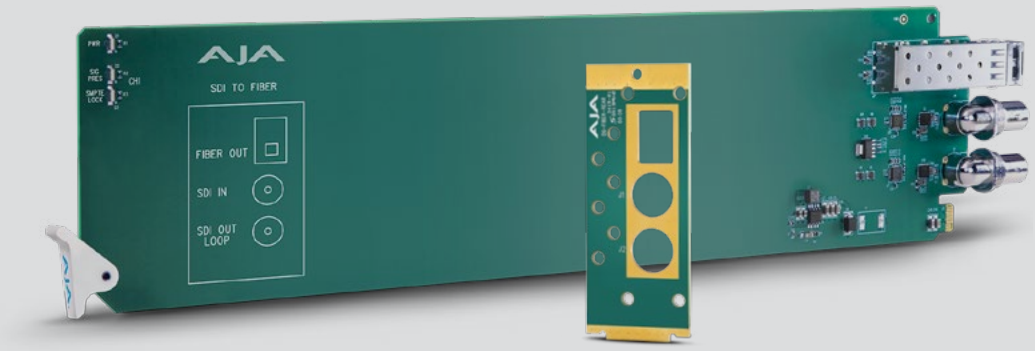
OG-FIBER-T-MM

openGear 1-Channel 3G-SDI to Multi-Mode LC Fiber Transmitter

NEW!

OG-FIBER-T-MM offers unmatched flexibility and cost efficiency for 3G-SDI Fiber conversion, allowing for cable runs up to 700 m (2296 ft) for OM4 and 300 m (984 ft) for OM3 for Multi-Mode* fiber optic cables - useful for eliminating ground loop problems.

$690 US MSRP*



Features:

- Video Formats: 100 Mbps - 3 Gbps, format agnostic
- Inputs: 1x 3G-SDI, BNC connector
- Outputs: 1x Multi-Mode optical fiber, LC connector; 1x 3G-SDI, BNC (loop of input)
- Automatic detection and re-clocking
  - 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.966 Gbps, 2.970 Gbps - Auto Select
  - All other rates are passed through and not reclocked
- Wavelength: 850 nm
- Optical Power: -7dBm (min), -2dBm (max)
- Power: 2.5 watts
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

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openGear®

OG-FIBER-R

openGear 1-Channel Single-Mode LC Fiber to 3G-SDI Receiver

The OG-FIBER-R is a state of the art, openGear compatible Fiber to 3G-SDI converter, enabling 3G-SDI signals to be extended up to 10 km (32,808 ft) over standard single-mode fiber optic cable. The fiber input is re-clocked with best in class input jitter tolerance.

$445 US MSRP*

Features:

- Automatic detection and re-clocking of 270Mb, 1.5Gb, and 3Gb SDI data rates
- Inputs: Single-mode optical fiber, LC connector
- Outputs: 2x 3G-SDI, BNC connectors (duplicate outputs)
- Bypass mode: 50mb to 3gb – auto bypassing for non SMPTE rates
- Wavelength: 1260 - 1620 nm
- Optical Sensitivity: -25dBm typical
- Power: 2.5 watts
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

OG-FIBER-R-MM

NEW!

openGear 1-Channel Multi-Mode LC Fiber to 3G-SDI Receiver

The OG-FIBER-R-MM offers unmatched flexibility and cost efficiency for 3G-SDI Fiber conversion, allowing for cable runs up to 700 m (2296 ft) for OM4 and 300 m (984 ft) for OM3 for Multi-Mode fiber optic cables - useful for eliminating ground loop problems.

$690 US MSRP*

Features:

- Video Formats: 100 Mbps - 3 Gbps, format agnostic
- Inputs: 1x Multi-Mode optical fiber, LC connector
- Outputs: 2x 3G-SDI, BNC connectors (duplicate outputs)
- Automatic detection and re-clocking
  - 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.966 Gbps, 2.970 Gbps - Auto Select-
  - All other rates are passed through and not reclocked
- Wavelength: 850 nm
- Optical Sensitivity: -15dBm (min)
- Power: 2.5 watts
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

** Pricing is for US only. International pricing will vary. Please contact a local AJA Reseller for pricing details.*

openGear®

OG-FIBER-2T

openGear 2-Channel 3G-SDI to Single-Mode LC Fiber Transmitter

The OG-FIBER-2T is a state of the art, openGear compatible, 2-channel 3G-SDI to Fiber converter, enabling 3G-SDI signals to be extended up to 10 km (32,808 ft) over standard single-mode fiber optic cable. The two 3G-SDI inputs are completely independent allowing different 3G-SDI rates to be carried on each channel.

$645 US MSRP*

Features:

- Automatic detection and re-clocking of 270Mb, 1.5Gb, and 3Gb SDI data rates
- "Input Present" and "Input SMPTE Lock" LEDs
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

OG-FIBER-2T-MM

openGear 2-Channel 3G-SDI to Multi-Mode LC Fiber Transmitter

NEW!

The OG-FIBER-2T-MM offers unmatched flexibility and cost efficiency for 3G-SDI Fiber conversion, allowing for cable runs up to 700 m (2296 ft) for OM4 and 300 m (984 ft) for OM3 for Multi-Mode* fiber optic cables - useful for eliminating ground loop problems.

$890 US MSRP*

Features:

- Video Formats: 100 Mbps - 3 Gbps, format agnostic
- Inputs: 2x Independent 3G-SDI Inputs, BNC connectors
- Outputs: 2x Independent Multi-Mode optical fiber, LC connectors
- Automatic detection and re-clocking
  - 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.966 Gbps, 2.970 Gbps - Auto Select
  - All other rates are passed through and not reclocked
- Wavelength: 850 nm
- Optical Power: -7dBm (min), -2dBm (max)
- Power: 2.5 watts
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

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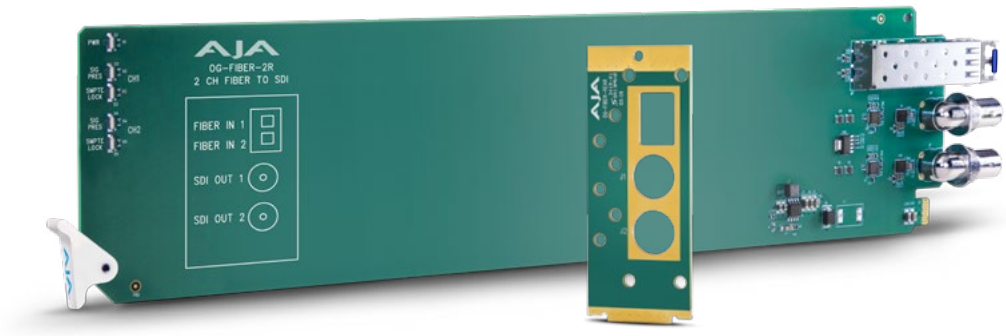
openGear®

OG-FIBER-2R

openGear 2-Channel Single-Mode LC Fiber to 3G-SDI Receiver

The OG-FIBER-2R is a state of the art, openGear compatible, 2-channel Fiber to 3G-SDI converter, enabling 3G-SDI signals to be extended up to 10 km (32,808 ft) over standard single-mode fiber optic cable. The two fiber inputs are completely independent allowing different 3G-SDI rates to be carried on each channel.

$645 US MSRP*



Features:

- Automatic detection and re-clocking of 270Mb, 1.5Gb, and 3Gb SDI data rates
- "Input Present" and "Input SMPTE Lock" LEDs
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

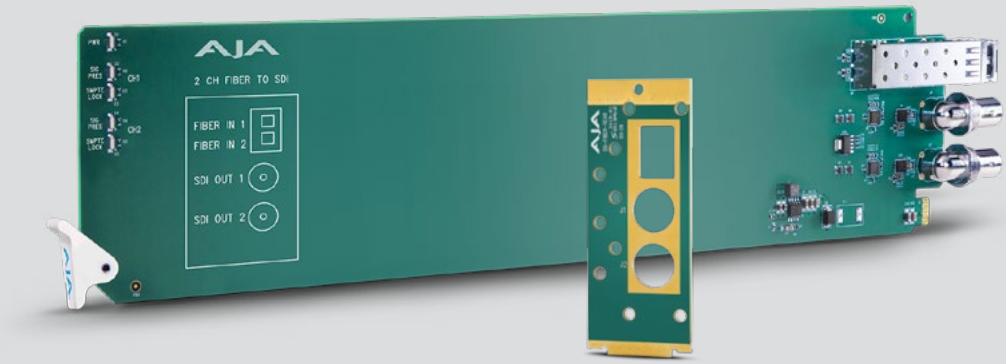
OG-FIBER-2R-MM

openGear 2-Channel Multi-Mode LC Fiber to 3G-SDI Receiver

NEW!

The OG-FIBER-2R-MM offers unmatched flexibility and cost efficiency for 3G-SDI Fiber conversion, allowing for cable runs up to 700 m (2296 ft) for OM4 and 300 m (984 ft) for OM3 for Multi-Mode* fiber optic cables - useful for eliminating ground loop problems.

$890 US MSRP*



Features:

- Video Formats: 100 Mbps - 3 Gbps, format agnostic
- Inputs: 2x Independent Multi-Mode optical fiber, LC connectors
- Outputs: 2x Independent 3G-SDI Outputs, BNC connectors
- Automatic detection and re-clocking
  - 270 Mbps, 1.483 Gbps, 1.485 Gbps, 2.966 Gbps, 2.970 Gbps - Auto Select
  - All other rates are passed through and not reclocked
- Wavelength: 850 nm
- Optical Sensitivity: -15dBm (min)
- Power: 2.5 watts
- Hot-swap capable
- Compatible with DFR-8321 and OG3 openGear frames

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R-Series Rackmount Frames

FR1

R-Series 1RU Rackmount Frame

FR1 is a 1RU frame with slots for four R-Series cards. The frame features high-capacity power supplies with no power restrictions for any module combination. FR1 features multi-fan forced-air cooling, which provides ample cooling capacity without the need for an empty rack space above the units. An optional redundant power supply is available. FR1 also features a frame color black reference input that is distributed to all slots.

$790 US MSRP*

Features:

- 1 Rack Unit Mounting Frame
- 4 Module Capacity
- Multiple Fan Forced Air Cooling
- Optional Redundant Power Supplies
- Power Supply Monitoring
- Frame Reference Input BNC
- UL, CSE, CE Certification
- Universal Input 90-240 VAC 50 Watt Power Supply
- 5-year Warranty

FR2

R-Series 2RU Rackmount Frame

FR2 is a 2RU frame with slots for 10 R-Series cards. The frame features high-capacity power supplies with no power restrictions for any module combination. FR2 features multi-fan forced-air cooling, which provides ample cooling capacity without the need for an empty rack space above the units. An optional redundant power supply is available - FR2's power supplies are easily changed from the front of the unit. FR2 also features a frame color black reference input that is distributed to all slots.

$1290 US MSRP*

- 2 Rack Unit Mounting Frame
- 10 Module Capacity
- Multiple Fan Forced Air Cooling
- Optional Redundant Power Supplies
- Reference DA sends color black to all slots
- Power Supply Monitoring
- UL, CSE, CE Certification
- Universal Input 90-240 VAC 100 Watt Power Supply
- 5-year Warranty

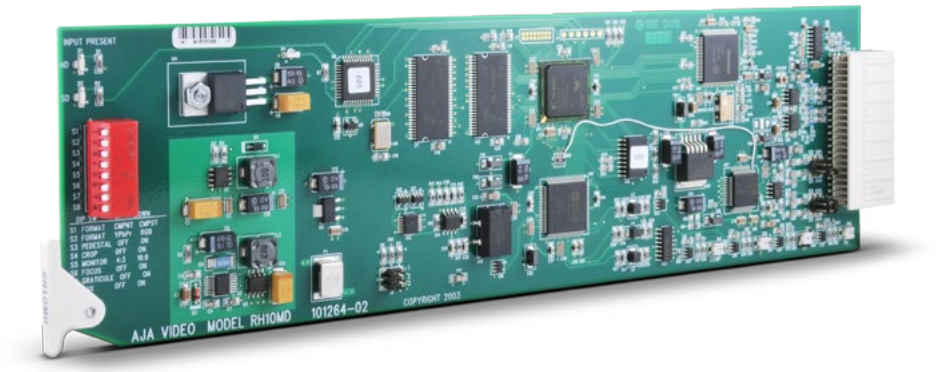
** Pricing is for US only. International pricing will vary. Please contact a local AJA Reseller for pricing details.*

R-Series Rackmount Cards

RH10MD

HD Down-Converter & HD-SDI Distribution Amplifer

The RH10MD is a 10-bit broadcast-quality HD down-converter and HD-SDI/SDI distribution amplifer. There are 4 re-clocked HD-SDI/SDI outputs and four down-converted SD outputs. The SD outputs can be individually configured as analog or SDI - analog can be component or composite. All HD formats are supported including 24p/psf with 3:2 pulldown. The SD output can be formatted for either 4:3 or 16:9 monitors. For 4:3 monitors both Letterbox and Crop modes are supported. The RH10MD is also dual-rate (HD/SD) and will support SDI inputs. 4 Ch AES embedded audio is passed through to the SDI outputs. The RH10MD is compatible with AJA's FR1 or FR2 frames.



$1350 US MSRP*

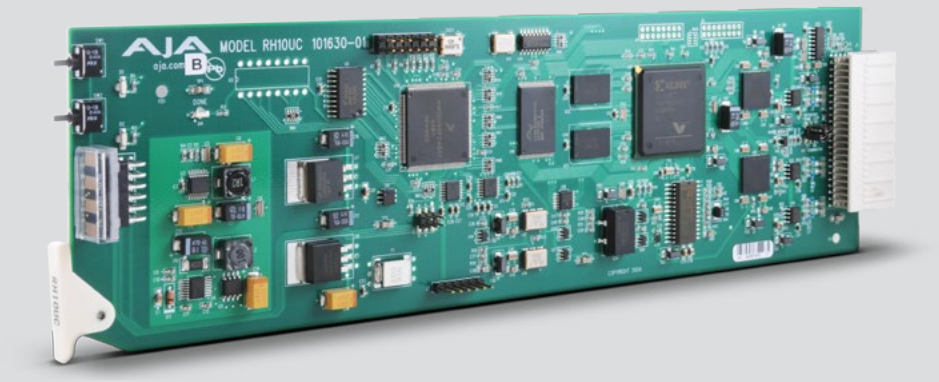
Features:

- Re-clocking 1x4 HD-SDI/SDI DA
- Multi-Standard HD-SDI or SDI Input
- SDI and Component/Composite Analog Outputs
- 3/2 Pulldown for 23.98/24 Hz p/psf inputs
- Full 10-bit Data Path, Multi-point Interpolation
- Configurable for 16:9 or 4:3 Monitors
- Letterbox and Crop Modes
- 4:3 Safe-Zone Graticule

RH10UC

SDI to HD-SDI Up-converter, 10-bit

The RH10UC is a 10-bit SD to HD up-converter. Using motion-adaptive de-interlacing and high quality digital scalers, the RH10UC provides excellent Broadcast quality HD video from SD sources. Output HD video is selectable between 720p and 1080I formats. 4:3 to 16:9 aspect ratio conversion is selectable between 4:3 pillarbox, 14:9 crop, 16:9 morphic, and 16:9 zoom. Input SD ITU Rec. 601 color space is converted to ITU Rec. 709. The RH10UC passes 8 channel embedded audio with a compensating delay. Additionally, the RH10UC can operate as a stand-alone HD Frame Synchronizer. The RH10UC is compatible with AJA's FR1 or FR2 frames.



$1595 US MSRP*

Features:

- Broadcast-Quality 10-bit SD to HD Upconverter
- Motion-adaptive de-interlacing
- Frame Synchronizer function with Genlock input
- Selectable aspect ratio conversion
- Selectable HD output format
- HD-SDI stand-alone Frame synchronizer mode

** Pricing is for US only. International pricing will vary. Please contact a local AJA Reseller for pricing details.*

Five Year Warranty

AJA Video warrants that openGear and R-Series products will be free from defects in materials and workmanship for a period of five years from the date of purchase.

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, Inc.
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www.aja.com • sales@aja.com • support@aja.com

AJA® VIDEO SYSTEMS