

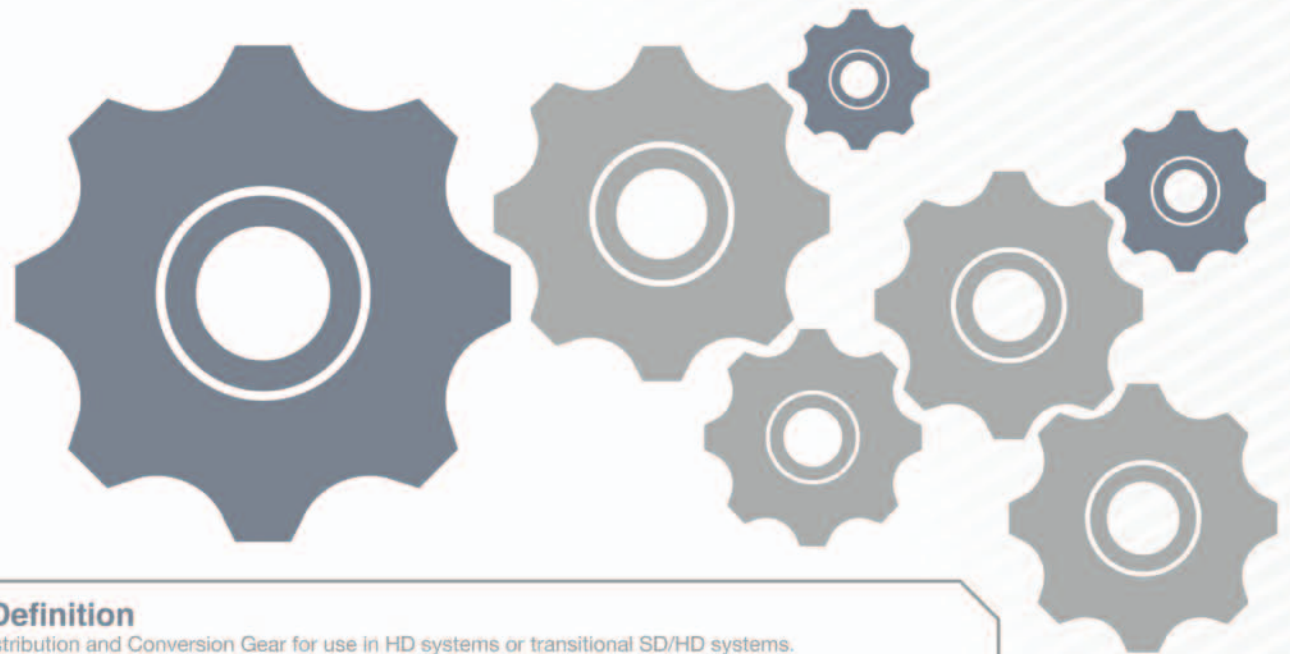
GearLite

GearLite

Compact Terminal Equipment

Compact Versions of the popular
RossGear product line





➤ **GearLite > Multi-Definition**

Multi-Definition Digital Distribution and Conversion Gear for use in HD systems or transitional SD/HD systems.

➤ **GearLite > Digital**

Our compact and cost-effective products have zero-footprint and share the same Ross quality the industry has come to expect.

➤ **GearLite > Conversion**

Designed to ease the transition between Analog and Digital, these compact modules breathe extended life to existing equipment.

➤ **GearLite > AES**

A full suite of digital audio distribution and conversion gear, in a conveniently small package.

➤ For more information, specifications and manuals on our complete product line, visit us on the web at www.rossvideo.com.



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Multi-Definition
Digital Video

SDI Digital Video

Analog Video

AES Digital Audio

Installation Kit

Mounting Ears, Velcro Strips, Non-Slip Pads

PS-9000

Universal GearLite Power Adapter with Locking Connector

BPM-9000

90° Mounting Bracket

GRF-9000 / GRF-9000-R / GRP-9000

GearLite Rack Frame • GearLite Redundant Power Supply

SRA-9201

Multi-Definition SDI Auto-Reclocking Amplifier

SEA-9203

Multi-Definition SDI Equalizing Amplifier

DAC-9213 / DAC-9213-R

Multi-Definition SDI to Analog Component Converter

DAC-9213-PVM

Multi-Definition SDI to Analog Component Converter for Sony Monitors

SRA-9001

SDI Auto-Reclocking Amplifier

SEA-9003

SDI Equalizing Amplifier

CMA-9011 / CMA-9011-R

SDI Component Monitoring Amplifier

UMA-9017 / UMA-9017-R

SDI Universal Monitoring Amplifier

DAC-9013 / DAC-9013-R

SDI to Analog Composite / Component Video Converter

DAC-9016 / DAC-9016-R

SDI to Analog Composite Video Converter

ADC-9032

Analog Composite to SDI Video Converter

ADC-9033

Analog Composite / Component / YC to SDI Video Converter

ADR-9039

Analog Composite to SDI Reference Converter

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AES / EBU Reclocking Distribution Amplifier

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AES / EBU to Analog Audio Converter

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AES-9525

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Installation Kit**Installation Kit****Mounting Ears, Velcro Strips, Non-Slip Pads**

All GearLite modules come with rack mounting ears, velcro strips and non-slip pads for easy mounting.

Details

- Mounts to standard 19" rack rails
- Ideal for "zero rack space" mounting at the back of rack

PS-9000**PS-9000****Universal GearLite Power Adapter with Locking Connector**

All GearLite modules come with a universal input, high-efficiency power supply. A locking DC connector guards against accidental power loss.

Details

- 5V universal adapter with locking DC connector
- All GearLite modules come with 1 power supply
- Spare or replacement supplies are available

BPM-9000**BPM-9000****90° Mounting Bracket**

For additional mounting versatility, the BPM-9000 bracket allows the GearLite module to mount at a 90° angle with standard rack rails.

Details

- Mounts GearLite modules at a 90° angle
- For more rack mounting versatility

**GRF-9000 /
GRF-9000-R**

- Accommodates 9 GearLite modules
- Aluminum Construction with Durable Powder-Coat Paint Finish

**GearLite Rack Frame**

An economical, high-quality mounting frame for GearLite modules.

The GRF-9000 GearLite Rack Frame is a high-quality rack-installed mounting frame system which accommodates the GearLite 9000 series of brick-format modules and their power supplies. This frame system is a convenient way to organize up to nine GearLite modules, and their power supplies, in a 2RU space.

The GRF-9000 GearLite Rack Frame system is comprised of two assemblies - the module frame (GRF-9000) for the rack front, and the power supply frame (GRF-9000-R) for the rack rear. The mounting accessories package, which is shipped with each GearLite module, provides all the components necessary to mount any GearLite product into the GRF-9000 (as well as a wide range of optional installation choices). All GearLite status indicators and switch settings are easily accessible from the front of the frame. The frame assemblies are engineered to provide convectional cooling to accommodate the ambient operating temperature range specified for the GearLite modules.

Details

- GRF-9000 (and GRF-9000-R) accommodates 9 modules in 2 rack units
- Durable powder-coat paint finish
- Aluminum construction
- 3-year warranty

GRP-9000**GearLite Redundant Power Supply**

Provides rack-mounted redundant power for up to 9 GearLite modules.

The GRP-9000 is a rack mount solution designed to provide redundant power for GearLite modules.

This 2RU product mounts at the rear of the rack, typically behind the GRF-9000 GearLite Rack Frame. Two hot-swappable power supplies provide redundant power for any mix of 9 GearLite modules. Locking power cords are provided to connect power to GearLite modules. For enhanced reliability, each output is internally protected with internal self-resetting fuses. Power indicators provide visual feedback of power status.

Details

- Provides rack-mounted redundant power for up to 9 GearLite modules
- 2RU short-depth chassis mounts at the rack rear, behind the GRF-9000
- Contains 2 fully redundant hot-swappable power supplies
- Separate incoming power fuses and power LEDs for each supply.
- Separate locking power outputs are provided, with locking power cords
- Each output is individually protected with internal self-resetting fuses

Optional Equipment GRP-PSU

- Spare or Redundant Power Supply for GRP-9000



Multi-Definition SDI Auto-Reclocking Amplifier

SDI distribution amplifier for all SDI signals up to 1.485Gb/s.

The GearLite SRA-9201 is a Multi-Definition SDI distribution amplifier, capable of equalizing and reclocking all common serial digital signals. With support for both standard-definition and high-definition signals, the SRA-9201 is the ideal universal SDI distribution amplifier.

The SRA-9201 automatically equalizes up to 305m (1,000 ft.) of Belden 1694A cable at 270Mb/s, and up to 100m (325 ft.) of 1694A cable at 1.485Gb/s rates.

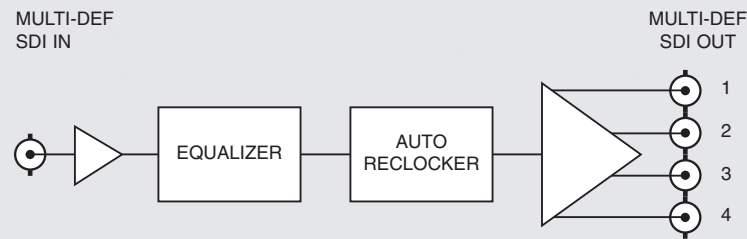
The amplifier automatically detects the input standard, with automatic locking to all common data rates from 143Mb/s to 1.485Gb/s, including 143, 177, 270, 360, 540, and 1.485Gb/s. The SRA-9201 can also be forced to a single data rate.

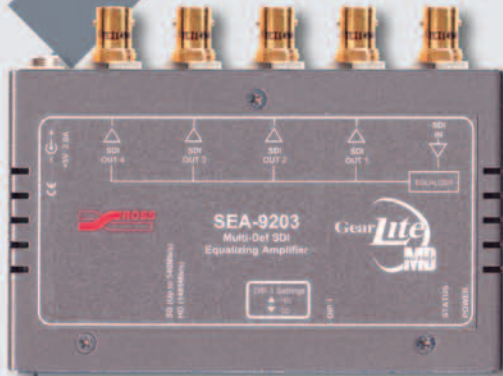
The front panel of the SRA-9201 provides visual performance indicators which identify the incoming SDI signal data rate. An STATUS indicator identifies signal presence and reclocking status.

The SRA-9201 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- Accepts all SDI signals from 143Mb/s to 1.485Gb/s
- Auto or manual data rate selection
- SDI input is equalized up to 305m (1,000 ft.) of input cable at 270Mb/s or up to 100m (325 ft.) at 1.485Gb/s
- 4 reclocked SDI outputs
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and status LEDs
- 3-year warranty





Multi-Definition SDI Equalizing Amplifier

SDI distribution amplifier for all SDI signals up to 1.485Gb/s.

The GearLite SEA-9203 is a Multi-Definition SDI distribution amplifier, capable of equalizing all common serial digital signals. With support for all data rates between 143Mb/s and 1.485Gb/s, the SEA-9203 is a great choice for all SDI distribution.

The SEA-9203 automatically equalizes up to 305m (1,000 ft.) of Belden 1694A cable at 270Mb/s, and up to 100m (325 ft.) of cable at 1.485Gb/s rates.

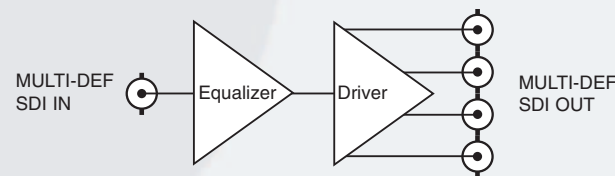
Special measures have been taken to ensure excellent return loss at both input and output. This guarantees error-free performance with short cables.

The front panel of the SEA-9203 chassis provides visual performance indicators with a power status LED and an input present status LED. A single user switch offers selection between SD or HD data rates. This ensures all signals are faithfully reproduced to true SMPTE specifications.

The SEA-9203 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- Accepts all SDI signals from 143Mb/s to 1.485Gb/s
- Automatic cable equalization up to 305m (1,000 ft.) of input cable at 270Mb/s or up to 100m (325 ft.) at 1.485Gb/s
- 4 equalized SDI outputs
- Excellent I/O specifications
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and status LEDs
- 3-year warranty



Multi-Definition SDI to Analog Component Converter

Universal SDI to analog component converter for both SDI 270Mb/s and HD-SDI 1.485Gb/s.

The GearLite DAC-9213 is a Multi-Definition SDI to Analog Component Converter. The DAC-9213 automatically equalizes up to 305m (1,000 ft.) of 1694A cable at 270Mb/s, and up to 100m (325 ft.) of Belden 1694A cable at 1.485Gb/s rates. Two reclocked outputs are provided on model DAC-9213-R.

The converter automatically detects the input standard, supporting both SMPTE 259-C (270Mb/s) and SMPTE 292M (1.485Gb/s) standards. The converter supports the following formats: 480i, 576i, 720p, 1080i. The SDI signal is converted with 11-bit processing and 10-bit DACs to three analog component signals: YPbPr or RGB. A built-in proc amp allows adjustments to levels, gain, setup, and blanking.

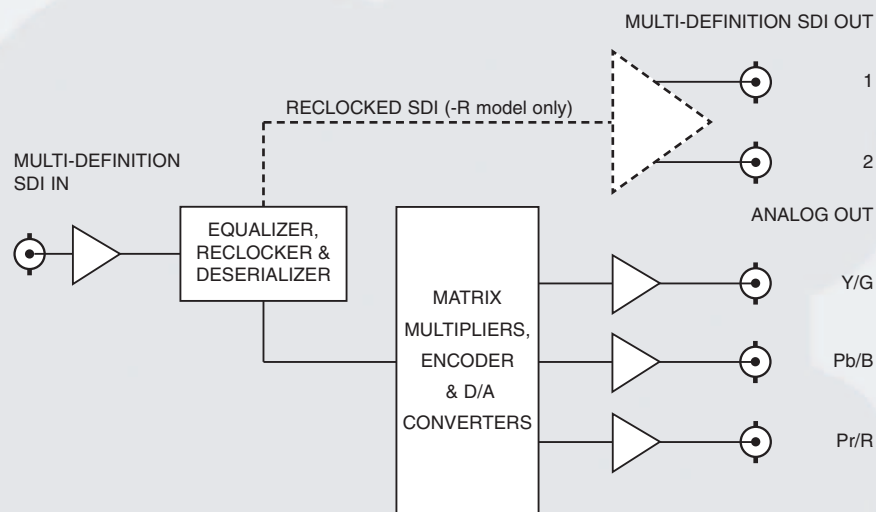
The front panel of the DAC-9213 provides a visual indication of signal presence and error status.

The DAC-9213 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

For additional mounting versatility, the DAC-9213 is available with a mounting option for select Sony PVM and BVM series monitors. With the DAC-9213-PVM, the module mounts directly within the monitor's rear option slot, and derives power from the monitor (see following page).

Details

- Converts 270Mb/s and 1.485Gb/s SDI signals to analog component
- 11-bit data processing and 10-bit DAC
- Selectable YPbPr or RGB outputs
- Built-in proc amp functions
- SDI input is equalized up to 305m (1,000 ft.) of input cable at 270Mb/s or up to 100m (325 ft.) at 1.485Gb/s
- 2 reclocked SDI outputs (-R model)
- Small brick form factor
- 5V universal adapter with locking DC connector
- Optional mounting within Sony PVM and BVM series broadcast monitors (see model DAC-9213-PVM)
- Separate power and status LEDs
- 3-year warranty





Multi-Definition SDI to Analog Component Converter for Sony Monitors

Adds SDI and HD-SDI input capabilities to Sony PVM and BVM Series Monitors.

The GearLite DAC-9213-PVM is a Multi-Definition SDI to Analog Component Converter. The DAC-9213-PVM automatically equalizes up to 305m (1,000 ft.) of 1694A cable at 270Mb/s, and up to 100m (325 ft.) of Belden 1694A cable at 1.485Gb/s rates. Two reclocked outputs are also provided.

The converter automatically detects the input standard, supporting both SMPTE 259-C (270Mb/s) and SMPTE 292M (1.485Gb/s) standards. The converter supports the following formats: 480i, 576i, 720p, 1080i. The SDI signal is converted with 11-bit processing and 10-bit DACs to three analog component signals: YPbPr or RGB. A built-in proc amp allows adjustments to levels, gain, setup, and blanking.

Supported Monitors

The DAC-9213-PVM can be used in any monitor which supports the Sony model BKM120D (SD) or BKM142HD (HD) input modules. However, to display high definition signals, the monitor must support HD component analog inputs.

The following Sony models support the DAC-9213-PVM and are HD capable:

MONITOR SIZE	BVM SERIES	PVM SERIES
9" Monitors	BVM-D9H1U/1E BVM-D9H5U/5E	
14" Monitors	BVM-D14H1U/1E BVM-D14H5U/5E BVM-14L5/1	PVM-14L5/1
20" Monitors	BVM-20L5/1	PVM-20L5/1

DAC-9213-R

Stand-alone version

For other HD capable monitors which cannot support the DAC-9213-PVM internally, including CRT, plasma, and LCD models, Ross offers a similar GearLite module to be used externally. The DAC-9213-R can be mounted external to the monitor, and includes a universal power adapter and rack mounting hardware.



Details

- Installs directly in the rear option slot of select Sony PVM / BVM series monitors
- Automatically detects and decodes SDI (270Mb/s) and HD-SD (1.485Gb/s) signals
- Converts SD and HD signals to analog component to directly drive the monitor's component inputs
- SDI input is equalized up to 305m (1,000 ft.) of input cable at 270Mb/s or up to 100m (325 ft.) at 1.485Gb/s
- 2 reclocked SDI outputs
- Selectable YPbPr or RGB outputs
- 11-bit data processing and 10-bit DAC
- Built-in proc amp functions
- Directly powered by monitor
- Separate power and status LEDs
- 3-year warranty



SDI Auto-Reclocking Amplifier

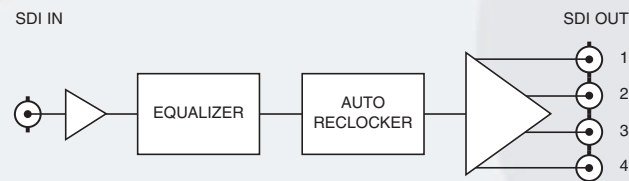
SDI distribution.

The GearLite SRA-9001 is a standard-definition SDI distribution amplifier, capable of equalizing and reclocking all common serial digital signals.

The amplifier automatically detects the input standard (143Mb/s up to and including 360Mb/s), automatically adjusts the reclocking rate, and automatically equalizes up to 305m (1,000 ft.) of input cable at 270Mb/s. A forced reclocking rate of 270Mb/s is also available.

The front panel of the SRA-9001 chassis provides visual performance indicators with a power status LED and a signal lock status LED.

The SRA-9001 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.



Details

- Automatic equalization for up to 305m (1,000 ft.) of cable at 270Mb/s
- Supports data rates from 143Mb/s to 360Mb/s
- Auto or manual data rate selection
- 4 reclocked SDI outputs
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and locked input LEDs
- 3-year warranty

SEA-9003



SDI Equalizing Amplifier

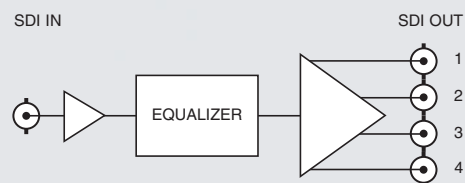
SDI distribution, suitable for many applications.

The SEA-9003 is a standard-definition SDI distribution amplifier, capable of equalizing all common serial digital signals.

The amplifier automatically equalizes up to 305m (1,000 ft.) of input cable at 270Mb/s, although 200m is the recommended limit due to jitter considerations. Special measures have been taken to ensure excellent return loss at both input and output. This guarantees error-free performance with short cables.

The front panel of the SEA-9003 chassis provides visual performance indicators with a power status LED and an input present status LED.

The SEA-9003 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.



Details

- Automatic equalization for up to 305m (1,000 ft.) of cable at 270Mb/s
- 4 equalized and re-shaped SDI outputs
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and input LEDs
- 3-year warranty

SDI Component Monitoring Amplifier

RossGear CMA-8011A performance and quality in a smaller package.

-R version has 4 reclocked outputs.

The CMA-9011 SDI Component Monitoring Amplifier is a high quality monitoring solution for SDI signals. The CMA-9011-R offers 4 reclocked SDI outputs in addition to 2 analog composite video outputs.

The CMA-9011 (-R) addresses high-quality imaging requirements by converting the 8 MSb's of an SDI signal to analog composite video (CVBS). A 10-bit DAC and special filtering techniques used in the design achieve a low-artifact video output.

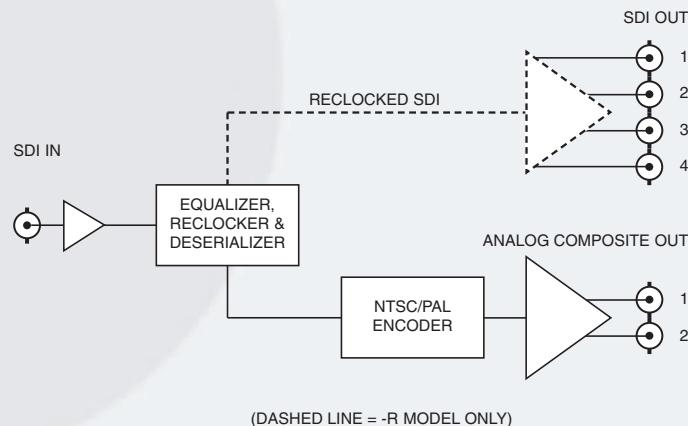
The front panel of the CMA-9011 (-R) chassis provides a power status LED for visual reference. In addition, user-selectable settings are available to place the CMA-9011 (-R) into the appropriate operating mode. Some of these modes are: monochrome output, 75% color bar pattern, and vertical interval blanking.

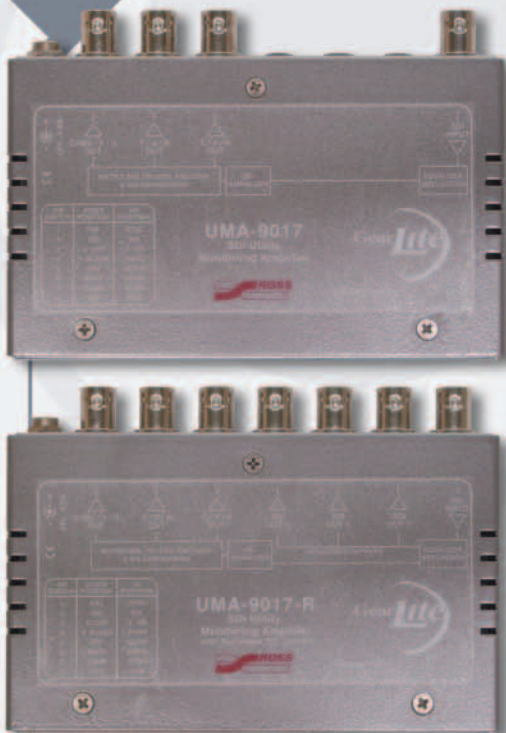
The Ross CMA-9011 (-R) provides conversion of 525 and 625 SDI signals (SMPTE 259M-C). NTSC, PAL, and PAL-N standards are supported.

The CMA-9011 (-R) is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- NTSC, PAL or PAL-N operation
- 10-bit DAC
- 8-bit data processing
- 2 low noise analog outputs
- Excellent input equalization (>250m)
- -R version has 4 reclocked SDI outputs
- Color bar test signal with valid SDI input
- 5V universal adapter with locking DC connector
- Small brick form factor
- Status LED
- Excellent I/O specifications
- 3-year warranty





SDI Universal Monitoring Amplifier

**Highly flexible monitoring solution for SDI signals.
-R version has 3 reclocked SDI outputs.**

The UMA-9017 SDI Universal Monitoring Amplifier is a highly flexible monitoring solution for SDI signals. The UMA-9017-R provides 3 reclocked SDI outputs in addition to analog composite / component output signals.

The UMA-9017 (-R) addresses high-quality imaging requirements by converting the 8 MSb's of an SDI signal to analog composite (CVBS), Y/C, RGB, or component video. A 10-bit DAC and special filtering techniques used in the design achieve a low-artifact video output.

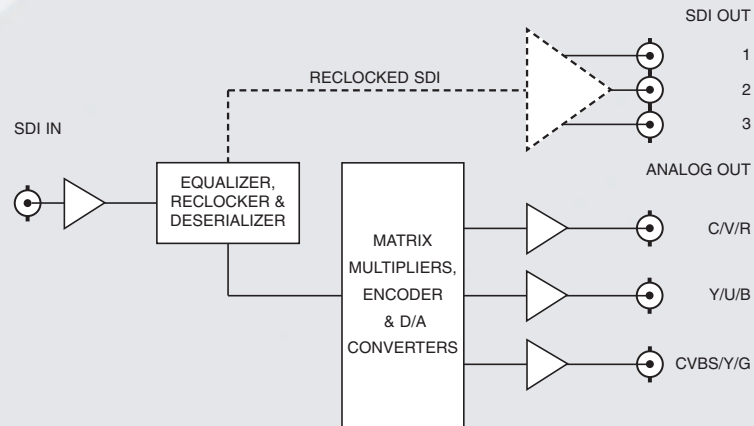
The UMA-9017 (-R) provides conversion of 525 and 625 SDI signals (SMPTE 259M-C). RGB, YUV, or composite plus Y/C outputs are available. NTSC, PAL, and PAL-N composite standards are supported.

The front panel of the UMA-9017 (-R) chassis provides a power status LED for visual reference. In addition, user-selectable settings are available to place the UMA-9017 (-R) into the appropriate operating mode. Some of these modes are: monochrome output, 75% color bar pattern, and vertical interval blanking.

The UMA-9017 (-R) includes a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- 1 SDI input, 3 analog outputs
- YUV or RGB or (CVBS + YC) outputs
- NTSC, PAL or PAL-N operation
- -R version adds 3 reclocked SDI outputs
- Excellent input equalization (>250m)
- Clean, low noise output
- 10-bit DAC
- 8-bit processing
- Color bar test signal with valid SDI input
- 5V universal adapter with locking DC connector
- Normal or narrow VBI on analog output
- 3-year warranty



(DASHED LINE = -R MODEL ONLY)



SDI to Analog Composite / Component Video Converter

Program path SDI to analog composite and component conversion.

-R version has 2 reclocked SDI outputs.

The DAC-9013 SDI to Analog Composite / Component converter uses the latest 10-bit encoding technology to provide a program path solution for digital to analog conversion requirements. The DAC-9013-R provides 2 reclocked SDI outputs in addition to the composite / component analog video outputs.

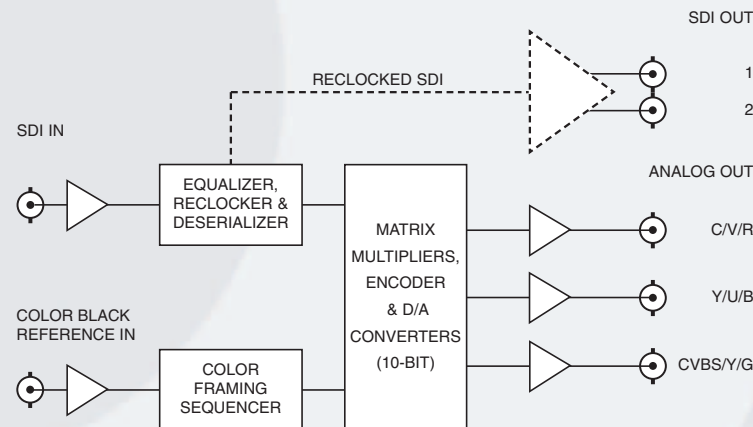
The DAC-9013 (-R) accepts SMPTE 259M-C input signals (270Mb/s), and provides 10-bit conversion and processing to composite (CVBS), YC, RGB or YUV analog output signals. The DAC-9013 (-R) operates in NTSC, PAL or PAL-N formats. 4X oversampling of the input signal is used to allow for accurate representation of the signal in the analog format.

A Ross designed color framing sequencer is used to allow for proper color framing of the composite analog video output. This is a very useful feature for maintaining signal integrity in system installations. An on-board user-adjustable digital processing amplifier allows for adjustment and control of the signal in order to meet your system requirements.

The DAC-9013 (-R) is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- YUV or RGB or (CVBS + YC) outputs
- NTSC, PAL, or PAL-N operation
- 10-bit DAC
- 10-bit data processing
- User adjustable proc amp
- 4X oversampling (54MHz)
- Color framing of analog composite output signal
- -R version has 2 reclocked SDI outputs
- Normal or narrow VBI on analog output
- 5V universal adapter with locking DC connector
- Separate status and ref LEDs
- Excellent I/O specifications
- 3-year warranty



(DASHED LINE = -R MODEL ONLY)

SDI to Analog Composite Video Converter

Program path SDI to analog composite video conversion.

-R version has 3 reclocked SDI outputs.

The DAC-9016 SDI to Analog Composite converter uses the latest 10-bit encoding technology to provide a program path solution for digital to analog conversion requirements. The DAC-9016-R provides 3 reclocked SDI outputs in addition to the composite analog video outputs.

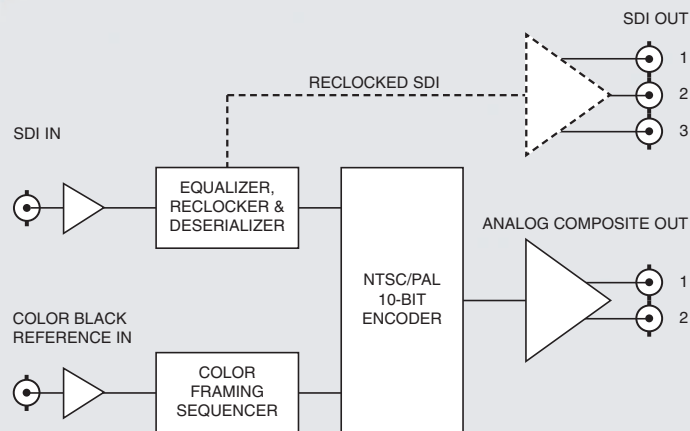
The DAC-9016 (-R) accepts SMPTE 259M-C input signals (270Mb/s), and provides 10-bit conversion and processing to 2 composite (CVBS) analog output signals. The DAC-9016 (-R) operates in NTSC, PAL or PAL-N formats. 4X oversampling (54 MHz) of the input signal is used to allow for accurate representation of the signal in the analog format.

A Ross designed color framing sequencer is used to allow for proper color framing of the composite analog video output. This is a very useful feature for maintaining signal integrity in system installations. An on-board user-adjustable digital processing amplifier allows for adjustment and control of the signal in order to meet your system requirements.

The DAC-9016 (-R) is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- NTSC, PAL, or PAL-N operation
- Color framing of analog composite output signal
- 10-bit DAC
- 10-bit data processing
- User adjustable proc amp
- 2 low noise analog outputs
- -R version has 3 reclocked SDI outputs
- Normal or narrow VBI on analog output
- 4X oversampling (54 MHz)
- 5V universal adapter with locking DC connector
- Separate status and ref LEDs
- Excellent I/O specifications
- 3-year warranty



(DASHED LINE = -R MODEL ONLY)



Analog Composite to SDI Video Converter

High-quality conversion of analog composite signals into 270Mb/s SDI.

The GearLite ADC-9032 is an excellent choice for high-quality composite to SDI conversion applications in a small form factor. Using the latest in decoding technology, the ADC-9032 decodes and converts analog composite video to digital component in a single GearLite module.

The ADC-9032 supports the decoding of NTSC, PAL, PAL-N, and PAL-M analog composite signals.

The use of 10-bit A to D and conversion circuitry, 2X oversampling, and a high-quality 3-line adaptive comb filter, ensures clean conversion of composite signals. Proc amp controls allow adjustments to be applied to the signal in the digital domain.

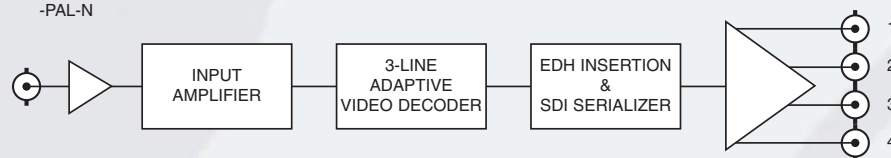
The ADC-9032 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- Accepts NTSC, PAL, PAL-N, PAL-M signals
- Input proc amp
- 10-bit A to D quantization and signal path
- 3-line adaptive comb filter
- 2X oversampling
- 4 SDI outputs
- 1 line + 6.0 μ s delay
- Low jitter
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and status LEDs
- 3-year warranty

ANALOG VIDEO IN:
-NTSC
-PAL
-PAL-M
-PAL-N

SDI OUT



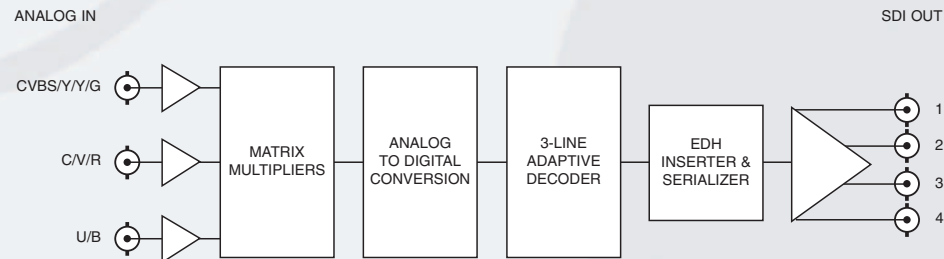


Analog Composite / Component / YC to SDI Video Converter

High-quality conversion of analog composite or component signals into 270Mb/s SDI.

The GearLite ADC-9033 is a universal analog to SDI video converter. Supporting analog composite (NTSC, PAL, PAL-N, PAL-M) and analog component (RGB / YUV / YC) inputs, the ADC-9033 is the ideal converter for virtually all video conversion needs.

All YUV and RGB formats are supported, with or without setup. The use of 10-bit A to D and conversion circuitry, along with a high-quality 3-line adaptive comb filter, ensures clean conversion of composite signals. Proc amp controls allow adjustments to be applied to the signal in the digital domain.



Details

- Accepts analog composite or component inputs
- NTSC, PAL, PAL-N, PAL-M operation
- YUV input from Beta/MLI and SMPTE / EBU formats
- All RGB formats supported
- 10-bit A to D quantization and signal path
- 3-line adaptive comb filter
- 2X oversampling
- 4 SDI outputs
- 1 line + 13.6μs delay (component input)
- Low jitter
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and status LEDs
- 3-year warranty

ADR-9039

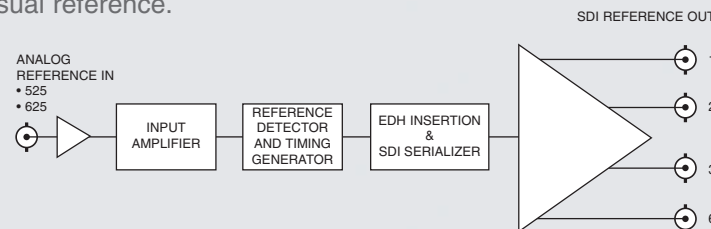


Analog Composite to SDI Reference Converter

High-quality analog to digital reference converter

The ADR-9039 Analog Composite to SDI Reference Converter is a high-quality reference conversion solution within the growing family of GearLite compact, self-contained modular products. Supporting 525 and 625 analog composite video reference, the ADR-9039 is the ideal analog to SDI reference converter for virtually all composite reference to digital reference conversion requirements.

The ADR-9039 provides high-quality digital black reference into four separate 270Mb/s SDI coaxial outputs. Timing adjustment controls on the front edge enable output timing to be adjusted over one full frame. The chassis front edge also provides power, error, and function LEDs for visual reference.



Details

- Supports 525 and 625 composite analog video input signals
- Output timing adjustable from 0 to 1 frame
- Horizontal and Vertical timing adjustable
- 4 SDI outputs
- Low jitter
- Input and Error status indicator LEDs
- Small brick form factor
- 5V universal adapter with locking DC connector
- 3-year warranty



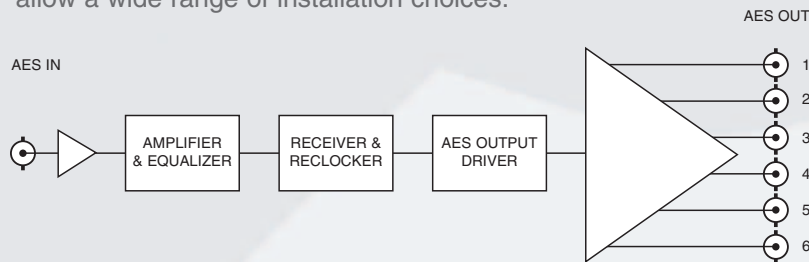
AES / EBU Reclocking Distribution Amplifier

A broadcast quality reclocking AES / EBU distribution amplifier suitable for signal rates from 32 to 96kHz.

The GearLite ADA-9501 AES / EBU Reclocking Distribution Amplifier is our best AES / EBU distribution amplifier. The ADA-9501 is a good choice for systems with long cable runs. The ADA-9501 provides 1 input and 6 outputs and is for use in 75 ohm coaxial (SMPTE 276 / AES-3id) systems.

The ADA-9501 reclocks all incoming data rates between 32 and 96kHz, and provides automatic cable equalization for lengths beyond 610m (2,000 ft.).

The ADA-9501 is supplied with a universal power adapter and linecord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.



Details

- AES / EBU 75 ohm coaxial distribution
- Automatic cable equalization
- Reclocking ensures signal integrity and low jitter
- Supports data rates from 32 to 96kHz
- 6 AES / EBU 75 ohm coaxial outputs
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and status LEDs
- 3-year warranty



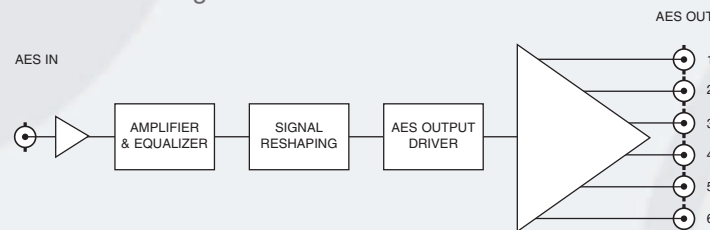
AES / EBU Fanout Distribution Amplifier

An AES / EBU fanout distribution amplifier with signal reshaping. Ideal for many distribution requirements.

The GearLite ADA-9503 AES / EBU Fanout Distribution Amplifier makes an excellent DA for most AES / EBU distribution requirements. It provides 1 input and 6 outputs and is for use in 75 ohm coaxial (SMPTE 276 / AES-3id) systems.

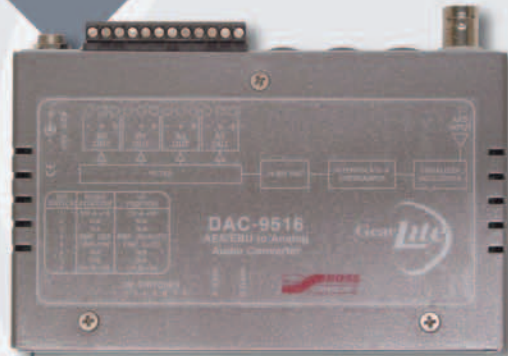
The ADA-9503 provides automatic cable equalization for lengths beyond 610m (2,000 ft.). Active signal shaping enhances signal integrity.

The ADA-9503 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.



Details

- AES / EBU 75 ohm coaxial distribution
- Automatic cable equalization
- Signal reshaping enhances signal integrity
- Supports all data rates from 22 to 100kHz
- 6 AES / EBU 75 ohm coaxial outputs
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and status LEDs
- 3-year warranty



AES / EBU to Analog Audio Converter

A broadcast quality AES / EBU to analog audio converter.

The Ross GearLite DAC-9516 AES / EBU to Analog Audio Converter is a broadcast quality product used to convert 20 or 24-bit AES-3id (coaxial) signals to analog audio. The DAC-9516 accepts one 32, 44.1 or 48 kHz unbalanced coaxial AES signal and provides two outputs of stereo (A, B) analog audio.

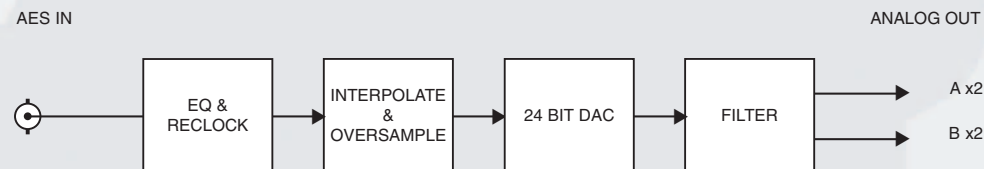
The AES / EBU signal is auto-equalized, relocked and then converted to analog audio using a state of the art 128X oversampled Delta Sigma Modulator. Two identical copies of the signal are output to an easy to wire detachable terminal strip.

Output level adjustments provide a continuously adjustable full scale output level range of +12 dBu to +27 dBu, meeting all international level requirements. For example, in a system with a digital audio level standard of -20 dBFS, the DAC-9516 can provide a nominal analog output level adjustable between -2 and +10 dBu (+4 dBu being the most common analog level standard). Auto-detection Digital De-emphasis is available for all data rates.

The DAC-9516 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- 24-bit DAC resolution
- Operates at 32, 44.1, and 48kHz
- Automatic cable equalization >610m (2,000 ft.)
- Low jitter performance
- Continuously adjustable full scale output level from +12 to +27 dBu meets all international system standards
- Terminal strips for easy hookup of balanced audio cables
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and status LEDs
- 3-year warranty





Analog Audio to AES / EBU Converter

A 24-bit analog to AES / EBU converter, ideal for broadcast conversion applications.

The Ross GearLite ADC-9532 Analog Audio to AES / EBU Converter is a broadcast quality product used to convert analog audio to 20 or 24-bit AES-3id (coaxial) signals. The ADC-9532 accepts one stereo (A, B) analog audio input and provides 3 unbalanced AES output signals at 32, 44.1 or 48kHz sample rates.

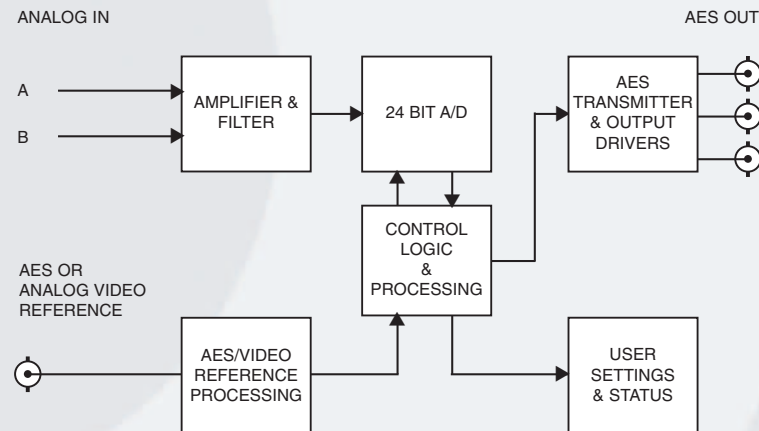
The balanced analog audio signal is connected through a detachable terminal strip. Input level adjustments are continuously variable from +12 dBu to +30 dBu to produce a 0 dBFS digital output level, meeting all international level standards. For example, in a system with an analog audio level standard of +4 dBu, the ADC-9532 can provide a nominal digital output level adjustable between -12 dBFS to -30 dBFS (-20 dBFS being a common digital audio level standard). The A to D converter uses a state-of-the-art 256X oversampling delta sigma modulator and filtering circuit to produce three identical high-quality AES streams. Reference signal or processing errors are detected and reported on the unit's LEDs.

For 48 kHz AES, the RossGear ADC-9532 is capable of referencing to either an external analog video or AES (DARS) reference. Referencing to the external AES reference guarantees a properly phased AES output.

The ADC-9532 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- 24-bit DAC resolution
- Selectable 32, 44.1, and 48kHz sampling rate
- Low jitter performance
- Continuously adjustable 0 dBFS output level on analog input levels from +12 dBu to +30 dBu, meeting all international system standards
- Locks to analog video or AES reference
- Terminal strips for easy hookup of balanced audio cables
- Small brick form factor
- 5V universal adapter with locking DC connector
- Separate power and status LEDs
- 3-year warranty





AES / EBU Balanced to / from Unbalanced Converter

Equalizes and converts AES / EBU signals between balanced (110 ohm, AES3) and unbalanced (75 ohm, AES-3id) formats.

Providing an ideal mix of format conversion, the Ross GearLite AES-9525 offers signal conversion between unbalanced and balanced formats. The AES-9525 converts 2 independent AES / EBU signals each way between balanced (110 ohm, AES3) and unbalanced (75 ohm, AES-3id) signal formats.

The AES-9525 offers automatic cable equalization and full specification voltage level translation, ensuring signal integrity and compatibility. Housed in a convenient GearLite package, and offering a detachable terminal strip for easy audio cable hookup, the AES-9525 is an ideal solution to AES / EBU signal format mismatches.

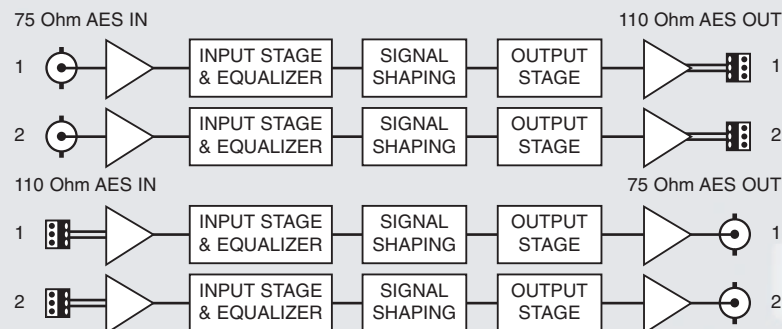
The AES-9525 is supplied with a universal power adapter and line cord suitable for the country of use. Various mounting options are included that allow a wide range of installation choices.

Details

- Converts 2 AES / EBU channels from *balanced* to *unbalanced* formats

and

- Converts 2 AES / EBU channels from *unbalanced* to *balanced* formats
- Input equalization
- Active output drivers
- Terminal strips for easy hookup of balanced audio cables
- Small brick form factor
- 5V universal adapter with locking DC connector
- 3-year warranty

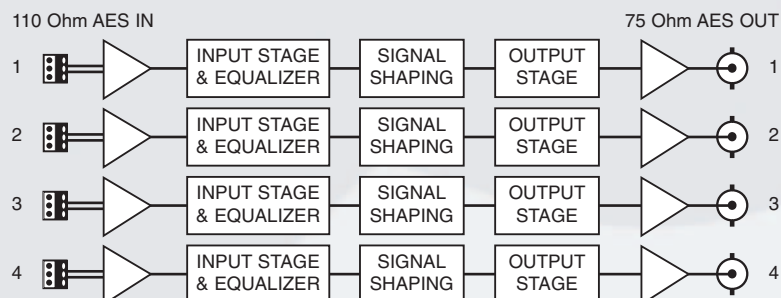




AES / EBU Balanced to Unbalanced Converter

Equalizes and converts AES / EBU signals from balanced (110 ohm, AES3) to unbalanced (75 ohm, AES-3id) formats.

The Ross GearLite AES-9521 Balanced to Unbalanced AES / EBU Converter ensures correct AES / EBU levels via an active input equalizer and signal converter. It accepts 4 independent AES / EBU balanced signals (110 ohm, AES3) and converts them to unbalanced (75 ohm, AES-3id) coaxial signals.



Details

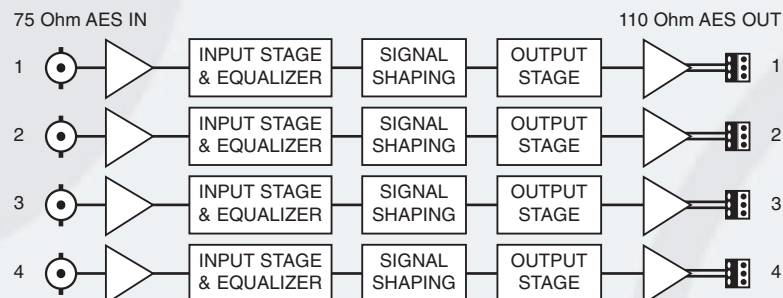
- Converts 4 AES / EBU channels from balanced to unbalanced formats
- Input equalization
- Active output drivers
- Terminal strips for easy hookup of balanced audio cables
- Small brick form factor
- 5V universal adapter with locking DC connector
- 3-year warranty



AES / EBU Unbalanced to Balanced Converter

Equalizes and converts AES / EBU signals from unbalanced (75 ohm, AES-3id) to balanced (110 ohm, AES3) formats.

The Ross GearLite AES-9523 offers signal conversion from unbalanced to balanced, it accepts 4 independent AES / EBU unbalanced signals (75 ohm, AES-3id) and converts them to balanced (110 ohm, AES3) signals.



Details

- Converts 4 AES / EBU channels from unbalanced to balanced formats
- Input equalization
- Active output drivers
- Terminal strips for easy hookup of balanced audio cables
- Small brick form factor
- 5V universal adapter with locking DC connector
- 3-year warranty



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Ross offers 5-year transferable warranties on our openGear product line. 3 and 5-year transferable warranties on our RossGear product line and 3-year warranties on our GearLite product line.

Ross Video's Technical Support Department will continue to provide advice on any product manufactured by Ross Video, extending beyond the warranty period without charge, for the life of the equipment.

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