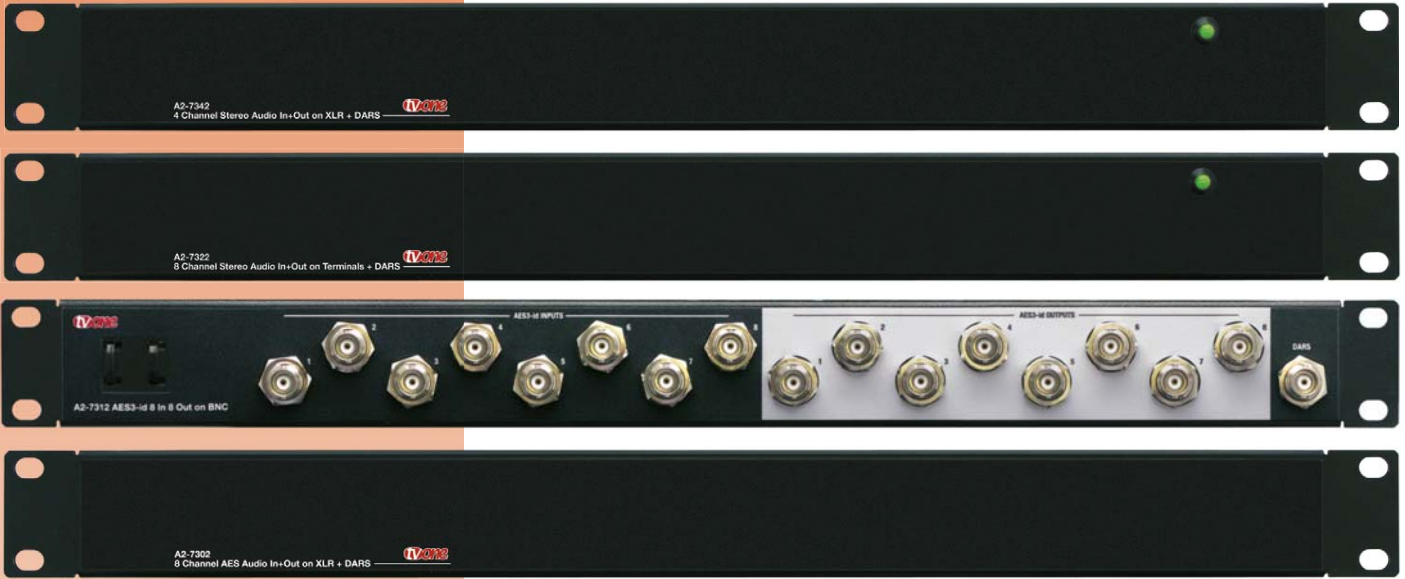


A2-7300 Series

Audio Format Converters



Key Features A2-7300 Series

Key Audio Features of the A2-7302

- 8 Balanced AES Input on XLR connectors
- 8 Balanced AES Output on XLR connectors
- DARS AES3-id Input on a BNC connector

Key Audio Features of the A2-7312

- 8 AES3-id Input on 75Ω BNC Connectors
- 8 AES3-id Output on 75Ω BNC Connectors
- DARS AES3-id Input on a BNC Connector

Key Audio Features of the A2-7322

- 8 Balanced/Unbalanced Stereo Input on Terminals
- 8 Balanced/Unbalanced Stereo Output on Terminals
- DARS AES3-id Input on a BNC connector
- Adjustable sample rates 32, 44.1, 48, 96KHz

Key Audio Features of the A2-7342

- 4 Balanced Stereo In on XLR connectors
- 4 Balanced Stereo Out on XLR connectors
- DARS AES3-id In on a BNC Connector
- Adjustable sample rates 32, 44.1, 48KHz

A2-7300 Series units are high quality audio format converters designed primarily to provide maximum format flexibility for the C2-7310 HD Audio/Video Processor's audio inputs and outputs. The C2-7310 provides AES3-id audio I/O via two HD-44 Connectors. Any two of the A2-7300 models, or two of the same model, can connect to these connectors to bring the AES3-id signals out to BNC connectors or to change the audio format completely. All of the AES audio channels can be synchronized to a DARS reference when connected to the C2-7310 via any of the A2-7300 units. Additionally, the A2-7300 units may be used in conjunction with one another, without the C2-7310, to provide bi-directional analog/digital or AES3/AES3-id conversion.

A2-7302 provides an HD-44 interface to 16 AES (8-in/8-out) on XLR connectors and a DARS reference input on a BNC connector. This unit contains eight balanced AES to AES3-id converters, plus eight AES3-id to balanced AES converters to provide AES I/O.

A2-7312 provides an HD-44 interface to 16 AES3-id (8-in/8-out) and a DARS reference input on BNC's mounted on a 1RU panel via a 1.5 meter (4.5') interconnect cable. The connectors may be separated from the panel if system wiring requirements dictate.

A2-7322 provides an HD-44 to 16 Analog Stereo (8-in/8-out), balanced or unbalanced, on terminals and a DARS reference input on a BNC connector. This unit contains eight high quality stereo analog to AES3-id converters, plus eight high quality AES3-id to stereo analog converters. The audio sample rate is user adjustable in stand alone mode using DIP switches or selectable from the C2-7310 menu when connected.

A2-7342 provides an HD-44 to 8 Analog Stereo (4-in/4-out) on XLR's and a DARS reference input on a BNC connector. This unit contains four high quality stereo analog to AES3-id converters, plus four high quality AES3-id to stereo analog. The audio sample rate is user adjustable in stand alone mode using DIP switches or selected from the C2-7310 menu when connected.

Large Venue Presentation Switchers

Distributor / Vertrieb:

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A2-7300 Series Specifications

A2-7302 Format Converter

Interface to C2-7310	via HD-44 Connector
Audio Inputs	
Digital Stereo	8 Channels AES3 on 8x XLR
DARS Reference	75Ω BNC
Audio Output	
Digital Stereo	8 Channels AES3 on 8x XLR
Signal	
Voltage Level	1Vp-p AES3-id input on HD44 equates to 0.5Vp-p out on XLR (or 1.0V p-p differential) 5Vp-p (differential) AES3 input on XLR equates to 2.0Vp-p out on HD44
Impedance	110Ω

Mechanical

Size w/Rack Ears (HWD)	44x482x200mm (1.75"x19"x7.9")
Weight	2.5Kg

Regulatory Approvals

Breakout Unit FCC, CE, RoHS

A2-7322 Format Converter

Interface to C2-7310	via HD-44 Connector
Audio Inputs	
Analog Stereo	8 Channels Stereo on Terminals
DARS Reference	75Ω BNC
Audio Output	
Analog Stereo	8 Channels Stereo on Terminals
Signal	
Voltage Level	6V p-p input maximum (8.75dBu). 0dBFS AES3 input equating to 8.75 dBu analog output -97dB (A to D), -93dB (D to A), at 48 kHz
THD + noise	-97dB (A to D), -93dB (D to A), at 48 kHz
Sampling Frequencies	32, 44.1, 48, 96 kHz
Impedance	600Ω Balanced

Mechanical

Size w/Rack Ears (HWD)	44x482x200mm (1.75"x19"x7.9")
Weight	3.0Kg

Power Requirement

External Power Supply 12VDC @ 3A

Regulatory Approvals

Breakout Unit FCC, CE, RoHS
Power Supply UL, CUL, CE, PSE, GS, RoHS

A2-7312 Breakout Unit

Interface to C2-7310	via HD-44 Connector
Audio Inputs	
Digital Stereo	8 Channels AES3-id on 8 x BNC
DARS Reference	75Ω BNC
Audio Output	
Digital Stereo	8 Channels AES3-id on 8 x BNC
Signal	
Voltage Level	1V p-p
Impedance	75Ω
Mechanical	
Size (HW)	44x482mm (1.75"x19")
Weight	1.1Kg

Regulatory Approvals

Breakout Unit FCC, CE, RoHS

A2-7342 Format Converter

Interface to C2-7310	via HD-44 Connector
Audio Inputs	
Analog Stereo	4 Channels Stereo on 8x XLR
DARS Reference	75Ω BNC
Audio Output	
Analog Stereo	4 Channels Stereo on 8x XLR
Signal	
Voltage Level	6V p-p input maximum (8.75dBu). 0dBFS AES3 input equating to 8.75 dBu analog output -100dB (A to D), -97dB (D to A), at 48 kHz
THD + noise	-100dB (A to D), -97dB (D to A), at 48 kHz
Sampling Frequencies	32, 44.1, 48 kHz
Impedance	600Ω Balanced

Mechanical

Size w/Rack Ears (HWD)	44x482x200mm (1.75"x19"x7.9")
Weight	2.7Kg

Power Requirement

External Power Supply 12VDC @ 3A

Regulatory Approvals

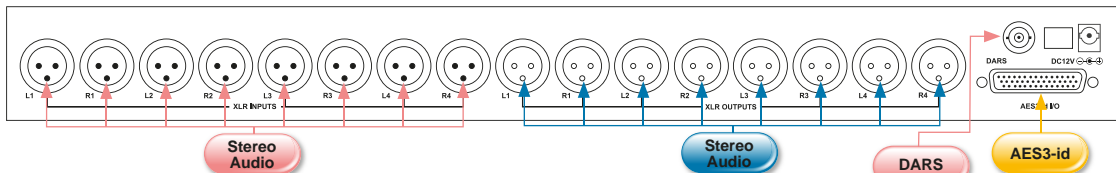
Breakout Unit FCC, CE, RoHS
Power Supply UL, CUL, CE, PSE, GS, RoHS

Optional Accessories

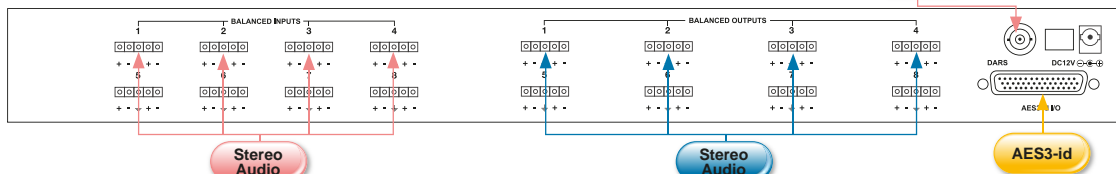
RM110 Long arm rack ears for 24" to 32" deep racks



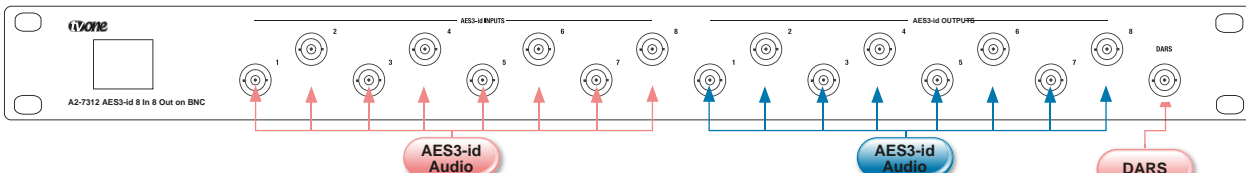
A2-7342



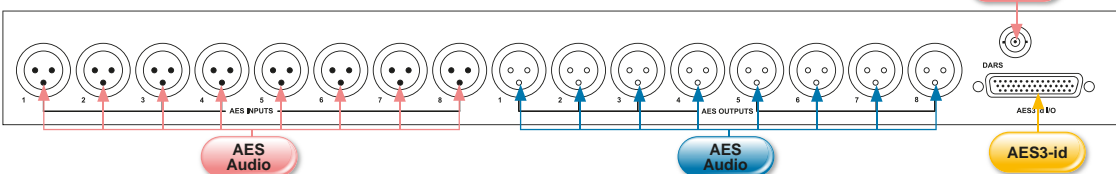
A2-7322



A2-7312



A2-7302



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