

AES2IP

AES / EBU Digital Audio Capture for IT/IPTV and Streaming Networks

Part of the TeleDelta x2IP product range



Part of the TeleDelta x2IP Product Range, the AES2IP is a dedicated multichannel AES / EBU Digital Audio to IT/ IPTV and streaming encoder, designed for monitoring, distribution and delivery of Digital Audio services to one or more end-users devices within a private IT / IPTV or public Internet environment.

The scalable AES2IP platform can be ordered to meet customers requirements with each platform supporting up to 16x AES / EBU audio inputs.

AES2IP is a multi-format codec platform allowing operators to select desired encoding formats including AAC, AAC-LC, AAC-HE, AAC-HE2, MPEG2/L1 and MPEG2/L3 and assign output broadcast address and streaming bitrates.

AES2IP allows end-devices including PCs, monitoring devices, Professional Decoders / Receivers and IPTV set-top-boxes to access and listen to AES2IP broadcast streams.

AES2IP is proudly made in Australia by TeleDelta.

AES2IP Key Points

- Dedicated AES / EBU Audio Multichannel Encoding Platform
- Supports AES / EBU Sources
- Up to 16x Services per system
- Digital encoding for IP delivery
- User defined output bitrate 32~384Kbps
- Assignable output streaming addresses
- Built-In test and Tone Generators
- MPEG2/L3, L1, AAC-LC, AAC-HE2, AAC-HE, AAC encoding support
- UDP+IGMP Multi, Unicast + RTMP streaming
- Dedicated web-interface for Management
- Optional recording, storage and Playback



Station	Frequency	Stream URL	Bitrate	✓	⚙	🗑
Triple M	104.900MHz	udp://224.3.2.8:1234	31,456b/s	✓	⚙	🗑
Austral FM	87.800MHz	igmp://224.3.2.2:1234	130,408b/s	✓	⚙	🗑
Bondi Beach	88.000MHz	udp://224.3.2.3:1234	33,256b/s	✓	⚙	🗑
2RDJ	88.100MHz	udp://224.3.2.4:1234	32,624b/s	✓	⚙	🗑
BBC	88.900MHz	udp://224.3.2.5:1234	32,552b/s	✓	⚙	🗑
2GLF	89.300MHz	udp://224.3.2.6:1234	65,384b/s	✓	⚙	🗑
2RES FM	89.700MHz	udp://224.3.2.7:1234	127,056b/s	✓	⚙	🗑
ABC1	92.900MHz	igmp://224.3.2.1:1234	127,056b/s	✓	⚙	🗑
FBI	94.500MHz	udp://224.3.2.9:1234	31,440b/s	✓	⚙	🗑
2PTV	95.300MHz	udp://224.3.2.10:1234	127,056b/s	✓	⚙	🗑
ABC2	95.700MHz	udp://224.3.2.11:1234	33,224b/s	✓	⚙	🗑
Nova	96.900MHz	udp://224.3.2.12:1234	190,592b/s	✓	⚙	🗑
SBS	97.700MHz	udp://224.3.2.13:1234	66,288b/s	✓	⚙	🗑
2000	98.500MHz	udp://224.3.2.24:1234	65,728b/s	✓	⚙	🗑
2NBS	99.300MHz	udp://224.3.2.14:1234	127,056b/s	✓	⚙	🗑
Triple J	98.900MHz	udp://224.3.2.15:1234	64,072b/s	✓	⚙	🗑
2NBS	99.300MHz	udp://224.3.2.16:1234	64,272b/s	✓	⚙	🗑

Above: Example of the versatile x2IP Multichannel Stream Encoding platform

For more information please contact your local distributor or sales@teledelta.com



AES2IP

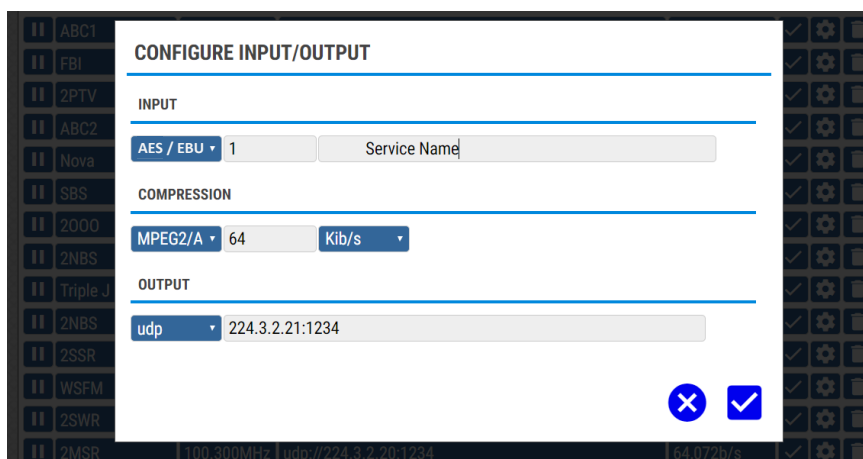
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TeleDelta AES2IP Deployment Applications

- Audio capture and monitoring
- Internal Audio service distribution
- Audio over IP distribution / (CDN) content delivery networks
- Public Internet Radio Broadcasting
- Local and Regional service monitoring
- Internet Radio Rebroadcast
- Hotels, Hospital and Facility IT network distribution
- Streaming IP services
- Hotels and Accommodation

Basic System Topology



Right: Simple User-interface allows setup and configuration of input and output channels

Please refer to next page for AES2IP Specifications

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AES / EBU (Inputs)	
Inputs	25-pin D-type female (with XLR breakout leads)
Interface (Line)	AES / EBU - Transformer coupled
Sampling Rate (Line Input)	32kHz ~ 96kHz
Sampling Rate (Line Output)	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz
Audio Resolution	24 bits
Sample Rate accuracy	5ppm +/-

Audio / IP Encoding	
Audio Encoding	MPEG2/L3, MPEG2/L1, MPEG2/AAC-LC, MPEG2/AAC-MPEG2/HE2, MPEG2/AAC-HE, MPEG2/AAC
Bit-rate	32-384Kbps
Output Formats	Unicast / Multicast UDP, IGMP, RTMP
Output Stream Addresses	User selectable

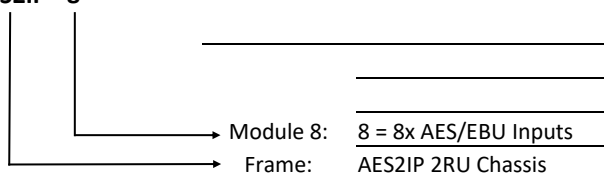
System and Control	
Management / Configuration	Web-based Interface
IP Management	Dedicated Management IP LAN
Data Management	Separate Data IP LAN
Physical	2RU Rack-mount (Up to 4RU depending on configuration)
Operating Temperature	0~45 degrees ambient

Ordering Options

Part No.	Ordering Suffix	Description
Frames:		
AES2IP-X		2RU AES2IP Server, Multichannel Codec Encoding - Selectable UDP, IGMP, RTMP streaming output
Modules:		
4 AES / EBU Input	4	4x AES / EBU Input (1x XLR breakout cable)
8 AES / EBU Input	8	8x AES / EBU Input (2x XLR breakout cable)
12 AES / EBU Input	12	12x AES / EBU Input (3x XLR breakout cable)
16 AES / EBU Input	16	16x AES / EBU Input (4x XLR breakout cable)

How to Order

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