

Z/IPStream.S4



OVERVIEW

The first 8-channel Processor and streaming solution

Z/IPStream.S4 delivers eight channels of audio processing and encoding for Web streaming applications. On-card audio processing includes wideband AGC, 4-band EQ and tone effects, a stereo enhancer, 3-band AGC with Fidelity control and SISTRM (Sound Impact System) to manage spectral balance, a 4-band limiter and brick-wall final limiter. Bit-reduced encoding is handled by host PC CPU. Supports MP3, AAC, and HEAAC v1/v2 encoding, plus 3GP-compatible encoding for mobile phones. Compatible with all standard streaming server platforms including Darwin, Flash, Helix, Icecast 2, Red5, Shoutcast and Wowza using HTTP/ICY, RTSP/RTP

Unicast, and RTMP protocols. Accepts audio input via Axia Livewire™ connection or PCI (WDM driver). Advanced metadata management with scripting capability ensures compatibility with automation/playout systems.

All Z/IPStream.S4 cards are PCI-Express x1-type cards, using the host PC for power and control.

Z/IPStream.S4 card continues to run even if host PC OS halts or reboots. Startup delay is 2 seconds. Link and Share-ready for agnostic support of automation / playout systems.

Also available in 4-channel version

A true Processing chain, not just a software plug-in...

In terms of Sound Processing, the Z/IPStream.S4 x8 includes a true processing chain dedicated to webstreaming:

- AGC
- Tone FX
- Stereo FX
- 3-Band Process
- 4-Band Limiter
- Brick Wall Limiter

The Z/IPStream.S4 also features the « Predictive HQSound » algorithm which optimizes codec result and reduces compression-induced sound artifacts.

Get the most advanced coding solutions for a wide target delivery support.

In terms of Encoding, the Z/IPStream.S4 offers a complete and innovative solution.

The Z/IPStream.S4 is the high quality encoding engine that suits every IP audio device profile. Indeed it is the first processor that includes a sound optimizer for very low encoding rates (16 kbps, 24 kbps, 32kbps...).

Moreover, an Adaptive Processing can correct each stream independently in order to compensate the sound difference due to encoding (another Z/IPStream.S4 innovation!). Thus a radio station can easily generate different streams that suit the targeted audience, low rate for mobile phone, high rate for home device, with homogeneous sound whatever the encoder used.

Advanced metadata management

In terms of Meta-Data, the Z/IPStream.S4 is compatible with the different standard formats and can interface to many automation software thanks to a XML-based gateway (A2I, BE, BSI, Enco, Jazler, Netia, NextGen, RCS, Winmedia...)

