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ARRIS

- Manage all transcoding and recoding with a flexible, high-performance platform
- Improve bandwidth efficiency and system reliability with an integrated, high-performance Intel chipset
- Maximize video asset quality with advanced recoding that repurposes original MPEG data
- Third generation VIPr 6600 provides three times the stream processing density compared to VIPr 2600

Meet the expanded demand for high bandwidth video services over the existing delivery infrastructure

Operators are rolling out additional HD and niche video channels to provide the best video offer in the market place. These expanded services are stressing the capacity of the existing delivery system. The revolutionary ARRIS VIPr network video transcoder delivers state-of-the-art video transcoding for dramatic gains in bandwidth efficiency and system reliability. The VIPr platform simplifies head-end complexity and improves reliability with an integrated platform that puts decoding, recoding, and closed-loop multiplexing on a single, state-of-the-art Intel processor. The powerful, programmable VIPr solution provides maximum flexibility with "best in class" MPEG-2 coding quality and efficiency. The VIPr 6600 provides up to 3 times the stream processing density compared to the second generation VIPr 2600

MPEG-2 to MPEG-2 Intelligent Recode

The ARRIS revolutionary network video transcoder delivers superior video quality over requantization solutions through advanced technology that repurposes the original MPEG compression data to maximize video quality during the recoding process. The ARRIS third generation improvements in video and audio coding provide dramatic gains in bandwidth efficiency while the VIPr6600 platform allows increased flexibility, stream processing density and system reliability. The VIPr6600 represents the next generation in digital video content management for networking, distributing, and processing digital video content offering grooming, rate-shaping and closed-loop statistical multiplexing of standard definition (SD) and high definition (HD) services. Coupled with the VIPr-Mgr redundancy controller, the VIPr6600 transcoder offers a fully redundant solution allowing operators to configure highly reliable networks.

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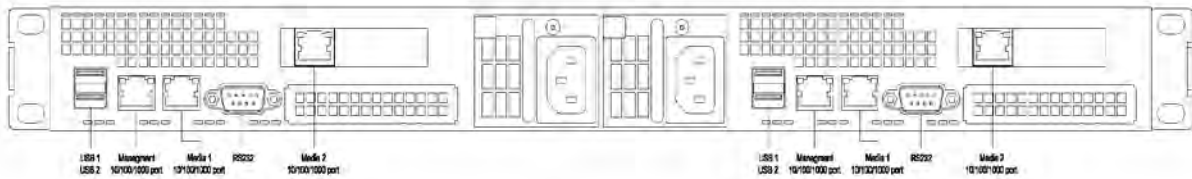
Ad Splicing

- Audio Normalization to minimize audio level differences between program audio and advertising audio
- Supports SCTE-35 and SCTE-30 messages
- Supports EBIF late bound advanced advertising
- Supports schedule-mode insertion initiated by the ad server
- Integrated decode-recode solves problems associated with high bit rate spots
- Seamless splicing
- Frame-accurate insertion
- Supports up to 24 HD or 144 SD concurrent ads
- Simultaneous support for HD and SD splicing

The choice is clear.

At ARRIS, all transcoder/encoder products are designed to deliver more channels in less space with superior picture quality. The VIPr transcoder is built on a flexible, programmable platform, designed to offer unparalleled quality and features in a compact form factor.

VIPr6600 Features

- Intelligent Recode
- High Density MPEG-2 Recoding
- Up to 24 HD or 144 SD services per 1RU (additional services supported in pass through mode)
- Integrated HD/SD Closed-Loop Stat Mux
- 3:1 HD/15:1 SD VBR; CBR for SDV, VOD and network PVR applications
- Program input redundancy
- Audio (MPEG, Dolby Digital) pass-through
- VBI (EIA-708, EIA-608, XDS, V-Chip, SCTE127) pass-through
- PSIP pass-through
- Time accurate SCTE35 pass-through
- Ad-Avail RateLock™
- Web-based GUI
- SNMP support
- Dual I/O Gigabit Media ports, Quad Gigabit Media ports or ASI (input/output)
- Software based network appliance architecture
- High reliability/availability

For additional information about the VIPr6600 Video Transcoder, contact your ARRIS sales Representative.

Other related Documents:

- Technical Specifications (Pub Code: VIPr6600_TS)

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