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 and audio coding 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 quad-core chipset. The powerful, programmable VIPr solution provides maximum flexibility with "best in class" MPEG-4 and MPEG-2 coding quality and efficiency, as well as HD to SD down conversion. With the VIPr solution, operators easily convert off-air HD broadcast "must carry" channels to SD format to support existing customers and do it very efficiently: down convert just one master copy to support both HD and SD tiers.

MPEG-2 HD to MPEG-2 SD Down Conversion

The ARRIS VIPr second generation improvements in video and audio coding provide dramatic gains in bandwidth efficiency while the VIPr2800 platform allows increased flexibility and system reliability. The VIPr2800 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) services. Coupled with the VIPr-RC redundancy controller, the VIPr2800 transcoder offers a fully redundant solution allowing operators to configure highly reliable networks.
ARRIS Video Transcoder VIPr2800

Ad Splicing
- Audio Normalization to minimize audio level differences between program audio and advertising audio
- Down convert from one master copy to both HD and SD tiers.
- Active Format Description allows programmers to specify letterbox or center cut display options
- Supports SCTE-35 and SCTE-30 messages
- 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 8 concurrent ads

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 Video Transcoder is built on a flexible, programmable platform, designed to offer unparalleled quality and features in a compact form factor.

VIPr2800 Features
- Intelligent Recode
- High Density MPEG-2 HD to SD Down conversion
- Integrated HD/SD Closed-Loop Stat Mux
- Audio (MPEG, Dolby Digital) pass-through
- VBI (BIA-708, EIA-608, XDS, V-Chip, SCTE127) pass-through
- PSIP pass-through
- Program input redundancy
- Time accurate SCTE35 pass-through
- Ad-Avail RateLock™
- Web based GUI
- SNMP support
- Dual i/O Gigabit Media ports
- Software based network appliance architecture
- High reliability/availability

For additional information about the VIPr2800 Video Transcoder, contact your ARRIS sales Representative.

Other related Documents:
- Technical Specifications (Pub Code: VIPr2800_TS )

The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice. ARRIS, the ARRIS logos, Arris, ArrisHome, ArrisWave, ArrisWave™, C-4®, Cavius®, C-COR®, CHP Max5000®, Converge Media™, Cornerstone®, CORWave™, CXM™, D5®, Digicon®, ENCORE®, Flex Max®, HEMi®, Keystone™, MONARCH®, MOXI®, n5®, nABLE®, nVision®, OpsLogic®, OpsLogic Service Visibility Portal™, PLEXiS®, PowerSense™, QUARTEt®, Regal®, ServAssure™, Service Visibility Portal™, TeleWire Supply®, TLX®, Touchstone®, VIPr™, VSM™ and WorkAssure™ are all trademarks of ARRIS Group, Inc. Other trademarks and trade names are the property of their respective owners. ARRIS Group, Inc. is not affiliated with or in any manner endorses any products or services of any third-party, nor is ARRIS Group, Inc. in any way associated with or in any manner authorized by or under any license to any patents or services of any third-party. ARRIS Group, Inc. does not sell, rent, lease or offer for sale, rent, lease or otherwise transfer or distribute any products or services of any third-party.

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