advanced media technologies®

MODEL

VIPr2600

VIDEO TRANSCODER

ARRIS

EGT VIPr2600

EGT VIPr2600 Features

- Intelligent Recode
- High Density MPEG-2 Recoding
- Up to 8 HD/42 SD services per 1RU
- Integrated HD/SD Closed-Loop Stat Mux
- 3:1 HD/15:1 SD VBR; CBR for SDV, VOD and network PVR applications
- 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
- Software based network appliance architecture
- High reliability/availability

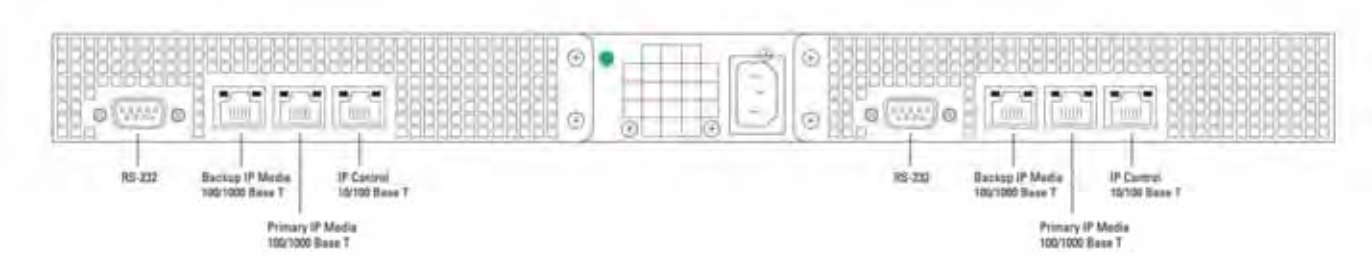
MPEG-2 to MPEG-2 Intelligent Recode

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 second generation improvements in video and audio coding provide dramatic gains in bandwidth efficiency while the EGT VIPr2600 platform allows increased flexibility and system reliability. The EGT VIPr2600 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 EGT VIPr-RC redundancy controller, EGT VIPr2600 offers a fully redundant solution allowing operators to configure highly reliable networks.

Ad Splicing

- 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 HD or 42 SD concurrent ads
- Simultaneous support for HD and SD splicing

EGT VIPr2600 VIDEO TRANSCODER



The choice is clear.

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

For additional information about the EGT VIPr2600 Video Transcoder, contact your ARRIS sales Representative.

Other related Documents:

- Technical Specifications (Pub Code: EGT VIPr2600_TS)

EGT VIPr2600 Video Transcoder

Specifications

VIDEO	
Input	MPEG-2 HD MP@HL over IP MPEG-2 SD MP@ML over IP
# of Channels	1-8 HD channels 1-42 SD channels
Output	MPEG-2 HD MP@HL, MPEG-2 SD MP@ML
Chroma Format	4:2:0
Resolutions	up to 1920x1080i, 1280x720p, 720x480i
Frame Rates	29.97 fps interlaced, 59.94 fps progressive
Encoded Bit Rates	1-20 Mbps
Bit Rates Modes	CBR or Closed-loop VBR
Aspect Ratio	16:9, 4:3
Processing	Integrated decode-recode and stat mux Adaptive reuse of original coding parameters Film mode 3:2 pull-down detection
ENVIRONMENTAL	
Operating Temperature Range	0°C to 40°C
Humidity	5-95%; non-condensing
Power Consumption	Watts: 250W per node
Power Supply Input	Volts: 100-240 Vac Frequency: 47-63 Hz Amperes: ~2.3 Amps per node
Form Factor	1RU
Dimensions	19.0" x 1.75" x 24" (WxHxD)
EMC/Safety Compliance	FCC part 15 Class A, CE, UL, ULc
AUDIO	
Input Audio Formats	Dolby Digital (AC-3), 5.1, MPEG-1 Layer 2
Operating Modes	Stereo, Single Channel Mono, Dual Channel Mono, Joint Stereo
Encoding	Passthrough

Specifications Continued

SERVICES	
Closed loop encoding	3+HD channels into 256 QAM 15+ SD channels into a 256 QAM
DPI	SCTE-35 Passthrough
VBI Services	Captions Passthrough of line 21 and EIA708 advanced captions, Data Passthrough of SCTE127 data services
EAS	Passthrough

IP PORTS	
Media Interfaces	Dual Gigabit
Rate	10/100/1000 Base T (Auto Negotiate)
Duplex	Full Duplex (Auto Negotiate)
Type	Unicast or Multicast
Format	MPEG-2 MPTS over UDP
Management Interface	10/100 Base T (Auto Negotiate)
Connector Types	RJ45

CONFIGURATION	
User Interface	GUI
Monitor and Control	SNMP
Redundancy	Fully redundant chassis support
Hot Swappable	Fans
Removable	Power supply, Fan trays

Specifications are subject to change without notice.