



ARRIS EGT ENCORE

Encoder



ENCORE features

- High-quality, dual-pass encoding
- DSP-based programmable processing engine
- Simultaneous ASI and IP outputs
- Advanced pre-processing and pre-filtering
- Embedded Cascade multiplexing
- 4 Channels of hot-swappable encoding per rack unit
- SDI and composite video inputs
- 2 stereo pair audio encoding per video channel
- Full support for closed caption services
- Full support for advanced video data services
- SNMP monitoring and control interface
- Integrated with ORCHESTRA Element Manager and Redundancy Control

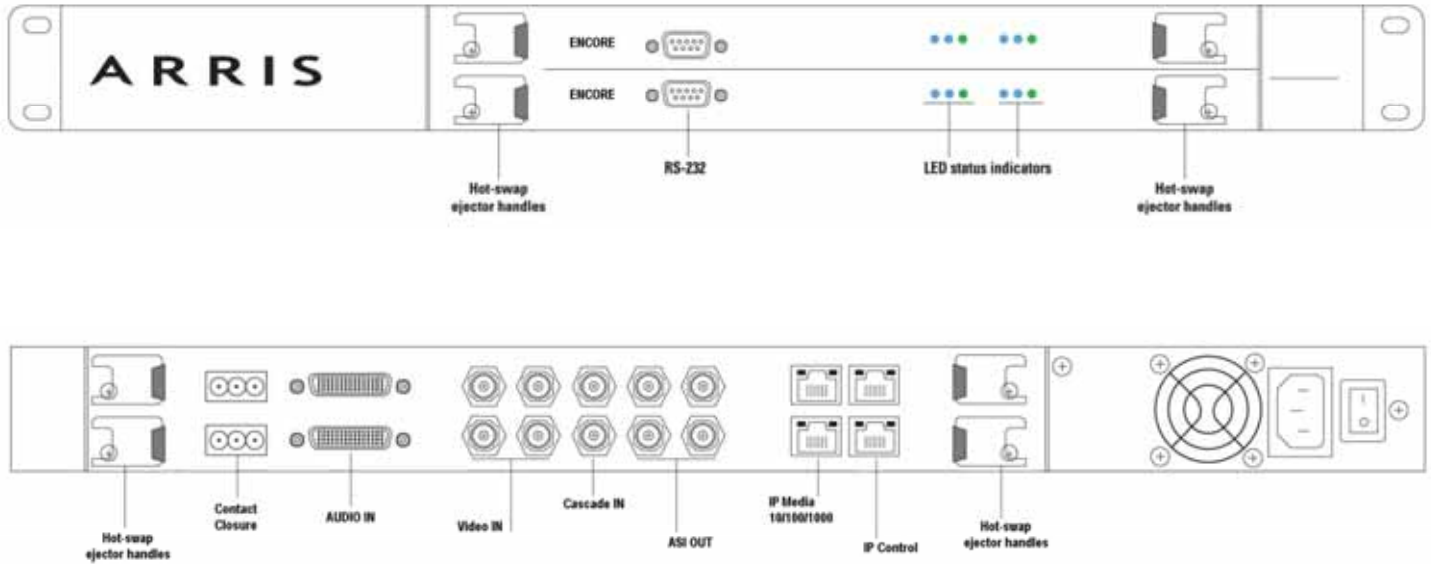
ENCORE

With advanced compression efficiency, new capabilities and an impressive array of built-in features, ENCORE delivers a top-of-the-line encoding performance. It vastly simplifies your digital video architecture and helps maximize the use of your bandwidth all while providing superior digital video quality. ENCORE is the perfect solution for digital simulcast, switched digital video, IPTV and satellite broadcasting.

ENCORE options:

- CHORUS closed-loop encoding
- ARIA native Variable Bit Rate (VBR) encoding
- Digital program insertion (SCTE 35)
- DTMF and Contact Closure cue-trigger detection
- DPI RateLock, guaranteed program insertion bandwidth
- 4 stereo pair per video audio encoding (16 stereo per rack unit)
- Dual IP Media interface for IP-media service redundancy

ARRIS EGT ENCORE Encoder



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EGT ENCORE Encoder

Specifications

VIDEO

Input	Analog composite Serial Digital (SDI)
SNR (un-weighted)	>52dBrms
Aspect Ratio	4:3, 16:9
Vertical Resolution	480 (NTSC) and 576 PAL
Horizontal Resolution	720, 704, 640, 544, 528, 480, 352
Encoding Type	MPEG-2 MP@ML (4:2:0)
Rate	1.5 – 15.0 Mbps (CBR), 0.3 – 15.0 Mbps (VBR)
GOP structure	Variable or fixed GOP Automatic I-frame insertion
Pre-filtering	Adaptive temporal-spatial noise filtering Motion adaptive temporal filter Motion compensated temporal filter

AUDIO

Input	Analog (balanced/unbalanced) Digital (AES/EBU, SDI) DTMF and GPI (DPI Cue-trigger)
Channels	Up to 4 stereo pair per video
Level Adjustment	-7.0 to 24.0 in 0.5dB steps
Operating Modes	Single channel mono Dual channel mono Stereo, Joint Stereo
Encoding Type and Rate	MPEG Layer II: 64 – 384 Kbps AC-3: 56 – 640 Kbps
Sample Frequencies	32 kHz, 44.1 kHz, 48 kHz

EGT ENCORE Encoder Technical Specification

Specifications Continued

SERVICES

Output	Single Program ASI Multi program ASI (Cascade) Ethernet (10/100 Base T)
System Management	HTTP browser SNMP ORCHESTRA Element Manager
VBI	Closed Caption, XDS, V-CHIP WSS VPS WST teletext SCTE 127 Gemstar TV Guide SCTE 127 AMOL I/II
DPI	SCTE 35, SCTE 104 (DVS525 R.3)

PHYSICAL

Dimensions	1.75"H x 19"W x 11.78"D (4.45cm x 48.26cm x 29.94cm)
Weight	14lbs/6.4Kg (4 channel unit)
Capacity	4 channels per rack unit
Input Voltage Range	100-240V ~3A Optional – 48V DC supply
Line Frequency	47-63 Hz
Typical Consumption	38 W per channel
Environment Cooling	4 fans; airflows side to side
Operating temp	32 to 122 F, 0 to 50 C
EMC/compliance	FCC part 15 Class A CE, UL, cUL

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