

ARRIS EGT QUARTET



QUARTET features

- High-quality, dual-pass encoding
- DSP-based programmable processing engine
- Simultaneous ASI and IP outputs
- Programmable noise filters
- Embedded Cascade multiplexing
- 4 Channels of hot-swappable encoding per rack unit
- 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

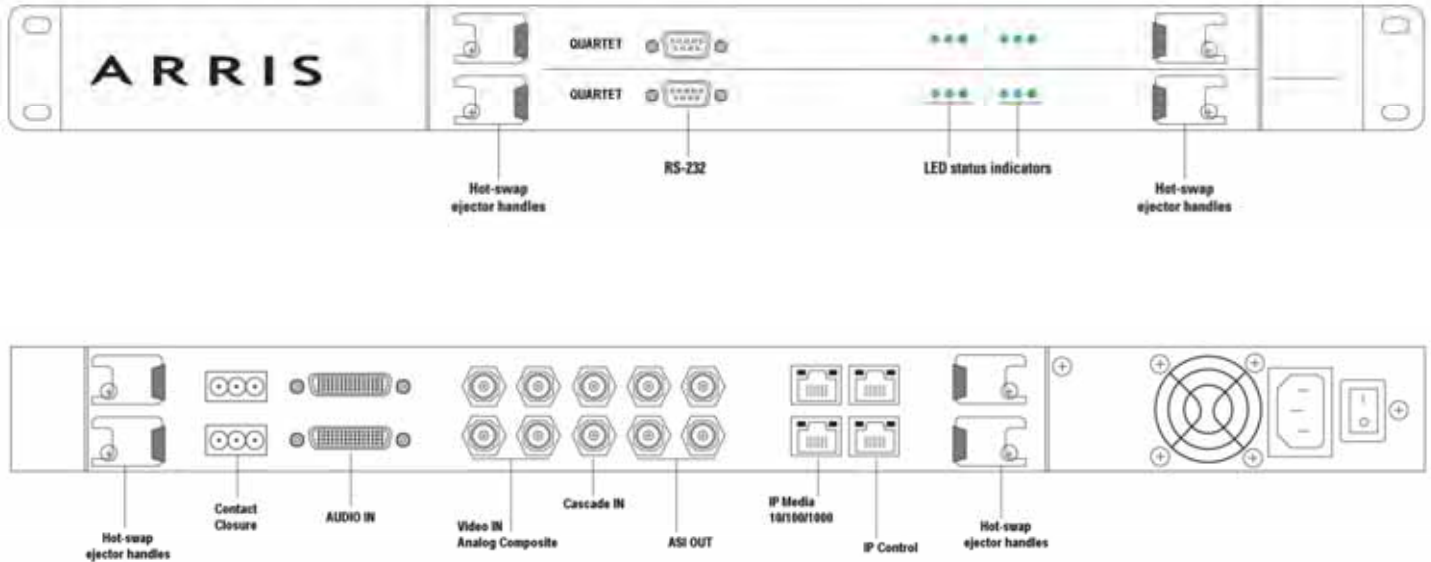
QUARTET

QUARTET provides breakthrough architectural advancements that vastly simplify your digital video architecture. Ideally suited for Switched Digital Video, Digital Simulcast, IPTV and PEG (Public, Education, Government) channel encoding, QUARTET is the perfect choice for video service providers looking to deliver the most channels of digital video programming at the lowest cost.

QUARTET options:

- ARIA native Variable Bit Rate (VBR) encoding
- Digital program insertion (SCTE 35)
- DTMF and Contact Closure and SCTE 104 cue-trigger detection

ARRIS EGT QUARTET Encoder



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EGT QUARTET Encoder

Specifications

VIDEO

Input	Analog composite
SNR (un-weighted)	>52dBrms
Aspect Ratio	4:3
Vertical Resolution	480 (NTSC)
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	Low-pass spatial filter Motion adaptive temporal filter

AUDIO

Input	Analog (balanced/unbalanced) DTMF and GPI (DPI Cue-trigger)
Channels	2 stereo pair per video (SAP)
Level Adjustment	-7.0 to 24.0 in 0.5 dBu steps
Operating Modes	Single channel mono Dual channel mono Stereo, Joint Stereo
Encoding Type and Rate	MPEG Audio Layer II: 64 – 384 Kbps AC-3: 56 – 448 Kbps
Sample Frequencies	32 kHz, 44.1 kHz, 48 kHz

EGT QUARTET 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 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	12lbs/5.4Kg (dual channel)
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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