



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

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

Specifications are subject to change without notice.

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