



HEMI™ Head End Micro

Specifications

VIDEO

Input	Composite Analog (NTSC)
# of Channels	1-9 channels
Encoding	MPEG-2 MP@ML
Chroma Format	4:2:0
Selectable Resolution	704, 544, 528, 352 x 480
Frame Rates	30 fps (@ full D1)
Encoded Bit Rates	2.5 – 8 Mbps
Bit Rate Modes	CBR, QBA support
Closed Captioning	SCTE – 20 (DVS157) SCTE – 21 (DVS053)
Process	Frame type and GOP adjustments
Input/Output Impedance	75Ω
Connector Type	BNC

AUDIO

Input	Analog (Unbalanced)
Operating Modes	Mono or Stereo
Encoding	MPEG-1 Layer II, Dolby Digital (AC-3)
Analog Sample Rates	32 kHz, 44.1 kHz, 48 kHz
Coding Rate	192 kHz
Input Impedance	10kΩ unbalanced
Connector Type	Mini-Stereo jack to RCA plugs

ENVIRONMENTAL

Operating Temperature Range	0°C to 50°C
Humidity	0-95%; non condensing
Power Supply Input	Volts: 115Vac Frequency: 60 Hz Amperes: 2.5 Amps
Form Factor	3RU
Dimensions	19" x 5.5" x 20.8" (WxHxD) Front Panel Lockable Doors
Capacity	Supports up to 8 video services into a single QAM channel

Technical Specification

HEMI™ Head End Micro Technical Specification

Specifications Continued

RF INPUT

Frequency Range	50-860 MHz
Frequency bandwidth	6 MHz
Carrier Frequency Step Size	25 kHz step sizes
Channel Maps	Standard, HRC, IRC
RF Tuner Input Level	-5 to +15 dBmV
RF Bypass Input Level	+15 to +35 dBmV
Output Impedance	75 Ω
Connector Type	F-connector

RF OUTPUT

Frequency Range	50-860 MHz
Frequency bandwidth	6 MHz
Carrier Frequency Step Size	25 kHz step sizes
Channel Maps	Standard, HRC, IRC
RF QAM Input Level	45 to 55 dBmV
Output Level Step Size	1 dB
RF Bypass Output Level	+10 to +35 dBmV
Output Impedance	75 Ω
Connector Type	F-connector

MODULATION OUTPUT

Modulation Modes	64 QAM; 256 QAM
Symbol Rate	Up to 7 Msymbols/sec; variable
FEC	ITU-T J83 FEC annex B
Baseband Format	MPEG-2 MPTS

CONFIGURATION

User Interface	Front Panel; LCD Menu Screens GUI; SNMP
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Contact Customer Care for sales and product information via the ARRIS website (www.arris.com) or as indicated below:

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