



EM-260

MPEG-2 Multi-channel
Encoder/ Multiplexer

ACI Communications, Inc. 

Overview

The EM-260 is a real-time, multi-channel MPEG-2 encoder with multiplexing capabilities. It can encode up to 6 analog Video/Audio channels, and together with 2 additional ASI inputs, provides multiplexed ASI output. It delivers the best video/audio quality signal, powerful PSI/SI processing, and TS multiplexing functions in the most cost effective manner.

This compact dense design provides the best value for operator's encoding (both video and audio) and multiplexing needs all in just 1 box.

Features

- DVB/ATSC Compliance
- Supports 4:2:0 MPEG-2 Encoding Profile
- Supports MPEG-2 frame/field motion estimation and DCT
- Up to 6 channels encoding
- Advanced Multiplexing of 6 internal and 2 external ASI-input TS streams
- 2 identical ASI transport stream outputs
- TS stream PCR synchronization

Specifications

ACI Communications, Inc.		EM-260	
PARAMETERS	CONDITIONS	SPECIFICATION	NOTE
Analogue Video-Inputs			
Inputs		6 composite	
Interface		BNC connector	
Video Mode		NTSC/PAL	
Transport Stream-Inputs			
Inputs		2 ASI input ports, 1 RS232 port	
Interface		BNC connector	
Input packet length		188 or 204	
Analog Audio-Inputs			
Inputs		6 independent audio inputs	
Interface		RCA Left, Right	
Input Impedance		75Ω	
Input bit rate		up to 100 Mbps	
PID per input	Max.	600	
PMT per input	Max.	100	
Video Encoding			
Standard		4:2:0MP@ML	
GOP Structure		I,IP,IPB,IPBB	
GOP Size		6-96	
Bit Rate		1.0-15 Mbps	
Audio Encoding			
Standard		MPEG-1 Layer2	
Bit Rate		64-384 Kbps	
Modes		Stereo, Joint Stereo, Dual Channel, Mono	
Multiplexing Outputs			
Outputs		2 ASI (parallel) 1 TS over IP output (optional)	
Output Impedance		75Ω	
Output packet length		188 or 204	
Output bit rate		up to 80 Mbps	
PID numbers		up to 600	
PMT numbers		up to 100	
TS Standards		DVB / ATSC	

Specifications

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PARAMETERS	CONDITIONS	SPECIFICATION	NOTE
Control and Monitoring			
Local		Full front panel control, LCD Display, Control keys	
Remote		Network management software Ethernet 10/100 based on RJ45	
Physical Characteristics			
Power Voltage		AC 100V-250V, 50/60 Hz	
Power Consumption	Max.	50 W	
Rack Space		19" rack-1RU	
Dimension	H x W x D	Unit: 44 x 430 x 335 mm Package: 210 x 580 x 570 mm	
Net Weight		4.5 kgs	