

## MPEG-2 DIGITAL ENCODER-MULTIPLEXER MPEG-2 CODER IRIDIUM

The OMB coder-multiplexer, **MPEG-2 CODER IRIDIUM**, can encode from 1 to 4 video channels and from 2 to 8 audio channels to get a duplicate ASI output. The audio channels can be used for stereo television programming or as radio programming inputs. In addition, multiple stereo audio inputs can be used for the same television program, in order to provide multiple languages to a single program.



### AVAILABLE OPTIONS

1 analog video input and 2 stereo audio inputs (L and R)

2 analog video inputs and 4 stereo audio inputs (L and R)

3 analog video inputs and 6 stereo audio inputs (L and R)

4 analog video inputs and 8 stereo audio inputs (L and R)

### GENERAL CHARACTERISTICS

#### ENCODING

##### AUDIO ENCODING

Complying with ISO/IEC 11172-3 (MPEG-1 audio), with ½ layer

Single/dual/joint stereo/stereo

Sampling rates: 32kHz/44.1kHz/48kHz

Up to 448kbit of audio bitrate

Embedded ADC 16 bits (PCM 1800E), with line level output

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<b>VIDEO ENCODING</b>	<p>Complying with ISO/IEC 13181-2(MPEG-2 video), MP@ML and ISO/IEC 11172-2 (MPEG-1 video)</p> <p>Up to 15Mbps</p> <p>Video resolution up to 720x576</p> <p>9bit embedded video input processor (SAA7115), 4:2.2 output format; 4:2:0 MPEG encoding</p> <p>CVBS composed video input or SDI digital video input</p> <p>Low delay 180ms</p> <p>Support for EIT insertion (event information table) or EPG (electronic program guide)</p> <p>If the analog video signal contains Teletext data, it will also be encoded and added to the ASI signal</p>
<b>TRANSPORT STREAM SPECIFICATIONS</b>	
<b>INPUT/OUTPUT</b>	<p>2 redundant ASI outputs</p> <p>DVB and ATSC versions available</p> <p>Video monitor output (keyboard selectable)</p>
<b>SYSTEM SPECIFICATIONS</b>	
<b>SYSTEM PROCESSOR</b>	ARC 32bit RISC CPU at 54MHz, pipeline 4 stages, 1kbyte I-Cache
<b>MEMORY</b>	2Mbyte SDRAM + 2Mbyte FLASH
<b>SERIAL TS INPUT (OPTIONAL)</b>	Asynchronous serial transport stream (clock + data) up to 60Mbit/s
<b>SERIAL TS OUTPUT</b>	Asynchronous serial transport stream (clock + data) up to 60Mbit/s
<b>SERVICE CHANNEL</b>	User asynchronous serial interface (1200-115.200 bps) added on transport stream as embedded service channel
<b>USER SERIAL PORT</b>	<p>The asynchronous serial interface RS-232 for system configuration and management allows the control of all the system's parameters: system bitrate, video resolution, Access to I/O ports, etc.</p> <p>Smart serial protocol for easy system management using a software terminal or an external embedded processor</p>
<b>SYNCHRONIZATION</b>	System synchronization hardware for clock recovery (PCR handling)

<b>CHANNEL LIST GENERATION</b>	Automatic channel list generation and insertion in TS
<b>CONFIGURATION</b>	Through RS-232 port, USB port and keyboard

**GENERAL SPECIFICATIONS**

<b>POWER SUPPLY</b>	110-240VAC, 50-60Hz
<b>WORKING TEMPERATURE RANGE</b>	0 to 40°C
<b>STORAGE TEMPERATURE RANGE</b>	-20 to +80°C
<b>DIMENSIONS</b>	Standard rack unit of 19"
<b>WEIGHT</b>	6.7kg

*\* The images and/or technical specifications are subject to change without previous notice.*

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