DVB-S2 Satellite Modulator & Encoder Card System

Universal multiplexing chassis with support for ASI and PID remapping

- **Six encoder cards available for encoding any type of video input**
- **Provides ASI multiplexing, PID remapping, and full MPTS ASI output**
- **Fully managed through web browser with complete function on front panel**
- **Fully agile RF output on any DVB-S or DVB-S2 carrier from 950-2150 MHz**
- **Supports 10 MHz reference clock output for synchronization of equipment**

Redundant HDMI
HD-SDI 1080p
CVBS Baseband
Dual CVBS AV
YPbPr + S-Video
YPbPr + HDMI

The DVB-S2 universal encoding and modulating chassis by Thor is a flexible platform for converting live video signals to L-Band RF signals suitable for transport over satellite links. This platform is managed through a web browser with all functions also available on the front panel. The chassis has a slot that can accept one of six available encoder cards to support any type of live video. In addition to the live encoded video input, the unit also supports multiplexing of additional programs via an ASI input. Programs from ASI input can be remapped with new PID values. A 10 MHz clock reference is also provided to synchronize external equipment.

These systems are suitable for both SNG contribution transport and for large scale affiliate broadcasting systems. They are robust enough for mounting in a mobile truck, and reliable enough for long term use in satellite headends. For the highest reliability, Thor also offers satellite modulators with full auto switching redundancy. For more information contact a sales representative today.

Product Specifications and Supported Standards Info

Inputs		
	Video Options	**1x (+1) HDMI 1080p with redundant backup** **1x HD-SDI 1080p serial digital video input** **1x CVBS composite analog baseband video** **2x CVBS composite analog baseband video** **2x YPbPr HD Component with S-Video** **1x YPbPr + 1x HDMI HD analog and digital**
	Transport Protocol	**1x DVB-ASI MPTS or SPTS on BNC Input**
	Resolutions	**720x480I 1280x720P 1920x1280I 1920x1280P**

Encoding		
	Video Codecs	**MPEG-2 HD 1.0 - 19.0 Mbps** **H.264 HD 0.5 - 19.0 Mbps**
	Audio Codecs	**MPEG1 Layer 2** **MPEG2 AAC** **MPEG4 AAC With Dolby Passthrough**

RF Out		
	DVB-S (QPSK)	**FEC 1/2,2/3,3/4,5/6,7/8**
	DVB-S2 (QPSK)	**FEC 1/2,3/5,2/3,3/4,4/5,5/6,8/9,9/10**
	DVB-S2 (8PSK)	**FEC 3/5,2/3,3/4,5/6,8/9,9/10**
	Frequency Range	**950 - 2150 MHz in 1 KHz steps**
	Symbol Rate	**0.05 - 20.0 Msps**
	RF Out Level	**-10 - 41.5 dB**

General		
	Dimensions	**1RU Rack Chassis: 630mm X 440mm X 44.5mm**
	Weight	**9 lb**
	Temperature	**0 - 45 ℃ (Operating) –20 - 80 ℃ (Storage)**
	Power Supply	**110 VAC 50/60 Hz or 240 VAC 50/60 Hz available**
	Consumption	**25.4 W**

Admin	
	Fully Managed through web browser with Thor NMS web server system

All Specifications subject to change without notice