

MPEG Corona™

Real Time, Easy To Use, Affordable, 1RU, Standard Definition, Full D1 Res, Hardware Based, 4:2:0 MPEG-2 Transport Stream Encoder with Composite and Y/C Inputs and 2 DVB-ASI Outputs. Encodes at 1.5-15 Mbps. Controllable via LCD Front Panel.



Features

- Composite or Y/C input
- Two DVB-ASI outputs
- Fully MPEG-2 4:2:0 MP@ML video compliant
- MPEG-1 Layer II audio encoding
- Encoding selectable from 1.5 Mbps to 15 Mbps transport stream bit rates
- Supports MPEG-2 frame/field motion estimation and DCT
- Encoding parameters set up via LCD front panel or SNMP
- Supports PMT/Video/Audio/PCR PID settings
- Program/Service Provider name setting
- Complies with ISO / IEC 11172 (MPEG-1) and ISO / IEC 13818 (MPEG-2) standards
- Sub-pixel precision encoding
- TS stream PCR synchronization

Applications

- Encoding analog video for transmission over satellite uplinks or cable
- Delivery of live video program streams to the head-end or production studio
- General Head End encoder

Overview

MPEG Corona encodes analog video and audio into MPEG-2 Transport Streams – from video to DVB-ASI. It accommodates both PAL and NTSC video formats.

The MPEG Corona compresses and encodes composite or S-Video signals and stereo audio in real time, using MPEG-2 4:2:0 video and MPEG-1 Layer-II audio compression. It then multiplexes the video and audio streams into either one or two DVB-compliant MPEG-2 Transport Streams.

This is a cost-effective solution for converting analog video to ASI for transmission over standard DVB satellite uplinks or redistribution throughout a cable system.

MPEG Corona delivers excellent broadcast-quality video. It is fully compliant with the stringent DVB standards.

MPEG Corona is simple to configure and operate. The LCD front-panel interface provides easy setup without the use of a computer or any other external equipment. The system can also be remotely controlled via SNMP.



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Input/Output Connections



Specifications

Video Input:

- Video format: NTSC or PAL
- Analog input: S-Video or Composite Video (CVBS)

Audio Input:

- Encoding: MPEG-1 Layer II
- Sampling frequency rate: 32 KHz, 44.1 KHz, 48 KHz
- Layer II coding mode: Stereo, Joint Stereo, Dual Channel, Mono

Outputs:

- DVB interface: Two ASI ports
- Connector Type: BNC 75 Ohm
- Stream format: Single Program Transport Stream (STPS)
- TS Rate: 1.5 to 15 Mbps
- Packet size: 188 bytes
- Ethernet control interface: RJ45

Control and Monitoring – Local:

- LCD front panel – LCD controls with menu and input keys

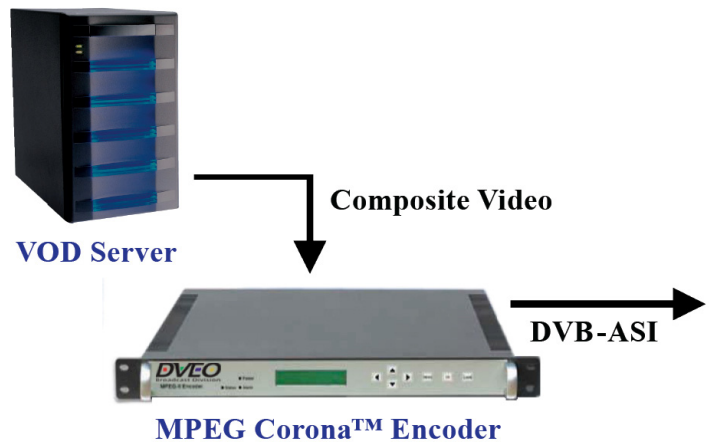
Control and Monitoring – Remote Management:

- Ethernet 10/100 based on RJ45
- SNMP management software

Physical Characteristics:

- Power: AC 90-250V 50/60HZ
- Rack Mount: 1RU
- Dimensions: 19" (W) x 13.2" (D) x 1.65" (H)
- Dimensions (mm): 484 (W) x 335 (D) x 42 (H)
- Unit Weight: 11 lbs (5 kg)

Typical Application



Ordering Info

MPEG Corona