

The *OmniLynx* **OTD-100E**

MPEG-2 Encoder



The OmniLynx OTD-100E series is a professional grade, stand alone DVB encoder, affordably priced and ideally suited for DVB S/C/T applications. It is suitably rich with a variety of network interface and housed in an industrial compact 19", 1RU rack mountable enclosure.

The OmniLynx encoders are designed to meet the demanding requirement of regional cable, MMDS and business TV applications, especially when budgetary considerations are important.

Applications:

- CATV digital headend
- MMDS
- Fixed and Mobile contribution/distribution
- DVB-T Digital Terrestrial Channel Encoder
- Video-on-demand
- Direct Broadcast Satellite

Features:

- Time base correction
- Advance 4:2:0 Main Profile@Main Level video compression
- DVB-compliant, MPEG-2 Transport Stream
- Standard output bitrate 2-15 Mbps
- Professional composite video input (10 bit A/D)
- Component video in and S-video in
- Variable GOP structure
- Dual ASI output
- Stereo Audio input
- Support MPEG-2 Layer I/II audio encoding
- 1 rack unit DVB encoder



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Technical Specifications

Input

Video

- Video format: NTSC/PAL
- Analog input: composite, S-Video
- Analog component input: Y, Cb, Cr
- Digital input: SDI (optional)
- A/D resolution: 10 bit
- Resolution: 720x576 (PAL)
720x480 (NTSC)

Audio

- Audio Mode: stereo, single channel, dual channel
- 1 Stereo(2 Mono): AES/EBU, analog
- A/D resolution: 24 bit
- Encoding rate: up to 384 Kbps
- Sampling rates: 32 KHz, 44.1 KHz, 48 KHz
- Encoding format: MPEG Layer-I/II

Data:

- RS232: up to 384 Kbps

Output

- DVB interface: 2 x ASI
- Output rates: 2-15 Mbps

Processing

- MPEG-1 and MPEG-2 compliance
- MPEG-2 4:2:0 MP/ML
- VBR/CBR operation mode
- Variable GOP: I, P, B processing
- Low Delay Mode

Control and Monitoring

- 8 button keys and character LCD
- Ethernet (TCP/IP)

Physical and Power

Dimensions:

- 1RU (19" rack)
- 4.4 x48.3 x27.4 cm
- Weight: 4kg

Power:

- 100-260 VAC
- Power consumption: 25W

Environment

- Operating temperature: -5~45°C
- Operating humidity: 10%~80%
- Storage temperature: -10~50°C
- Storage humidity: 0%~90% (non-condensing)



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