

EdgeDVB-T IP/8-24ch™

A High Density 1 RU "Edge Device" IP to DVB-T Modulator Gateway with Redundant Power Supplies, Redundant Gigabit (Gig/E) Inputs, and Up to 24 DVB-T Modulators. Eight RF Ports on Three Plug-In Modules. Perfect Companion to OnRamp DVB-T 8Ch/IP™ to Deliver DVB-T over IP and Reconstruct it Back to DVB-T at Other End. Will Multiplex IP to Desired DVB-T Channels...



Features

- Supports re-multiplexing and output in 24-channel DVB-T
- Features Pro-MPEG FEC
- Inputs: ASI (four different sources) and GBE IP streams (up to 256 SPTS)
- Input format: SPTS or MPTS, SD or HD
- Outputs: 8, 16, or 24 DVB-T channels for both SD and HD programs
- 1 RU modular system with 8 DVB-T outputs per module and up to 3 modules (24 channels)
- Supports stream processing including PID remapping and EPG data insertion
- Supports DVB simulcrypt scrambling for up to 4000 H.264 SD programs
- Configuration and monitoring programs via NMS, Web GUI, or SNMP
- IP Management: IGMPv1, IGMPv2, IGMPv3
- Protocols: Unicast or Multicast
- Supports up to 24 DVB-T RF channels from 50 to 850 MHz organized as 3 independent groups of 8 channels
- Power consumption approximately 100 watts

Applications

- Cable systems
- VOD
- Schools and hotels

Overview

DVB-T is one of the standards for terrestrial broadcast in Europe, Australia, Russia, and parts of Africa.

Gigabit Ethernet, on the other hand, is now the defacto transport mechanism for delivering video content inside most head ends, even though DVB-ASI still has a role. For this reason it makes sense that newer DVB-T modulators support IP input.

DVEO's new EdgeDVB-T IP/8-24ch has up to 24 DVB-T modulators that receive single or multiple program IP transport streams and convert them to single or MPTS based DVB-T.

It is designed to deliver cost effective solutions for both small and large cable operators who are starting to migrate to IP infrastructure.



Computer Modules, Inc.

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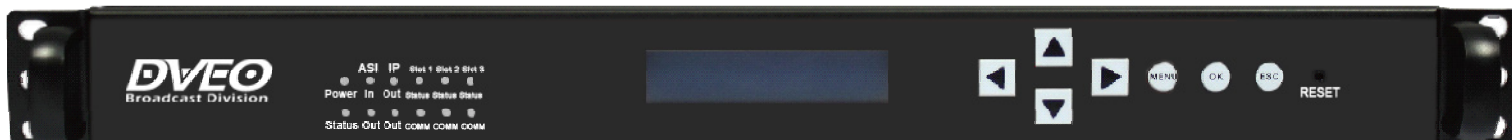
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EdgeDVB-T IP/8-24ch™

Panel Controls



Front



Rear

Specifications

IP Input

| | |
|-------------------|---|
| Interface: | 1 x 1000 Mbps per port |
| IP Encapsulation: | MPEG TS over UDP/RTP |
| MPEG TS: | MPTS and SPTS |
| I/O Processing: | Up to 12 channels (MPTS), 64 channels (SPTS) max at 72 Mbps per channel |
| Addressing: | Unicast and Multicast |
| Management: | IGMPv1, IGMPv2, IGMPv3 |
| FEC: | Pro-MPEG |

DVB-ASI Inputs

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|-----------------|--|
| Interface: | 4 BNC connectors (2 ASI inputs and 2 ASI outputs), 75Ωz |
| MPEG Format: | 188/204Bytes per TS |
| I/O Processing: | 1 MPTS/SPTS per port, up to 120 Mbps per port |

DVB-T Output

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|-----------------------------|--|
| Physical Outputs: | Three connectors for 4XRF |
| Output Frequency Range: | 50-858 MHz |
| Output Frequency Step Size: | 50 KHz |
| Transmission Modes: | 2K, 8K |
| Guard Intervals: | 1/4, 1/8, 1/16 and 1/32 |
| Constellations: | QPSK, 16 QAM, 64 QAM |
| FEC: | 1/2, 2/3, 3/4, 5/6, 7/8 |
| Output Levels: | Effective, per channel: 90~115 dBuV Combined, 4 channels: 90~112 dBuV |

Re-multiplexing

| | |
|-----------------------------|---|
| PID | Re-mapping and Filtering |
| MPTS Output Synchronization | Routing: Any Input to Any Output Redundancy: Input Service Redundancy & IP Port Redundancy |

DVB Scrambling

| | |
|-------------------------|---|
| TS Streams: | Up to 48 TS streams (maximum 72 Mbps per TS) |
| Support DVB Simulcrypt: | Maximum 4 CAS simultaneously |
| CAS Support: | Irdeto, Conax, Viaccess, Nagravision, Verimatrix, Novel-Super TV, CTI Dvcrypt, and other DVB-simulcrypt CAS |
| Scrambling Level: | Program or PID |

Management

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|-----------------------|-------------------------|
| Interface: | 100 Base-TX, RJ45 |
| NMS: | Digital Service Manager |
| Web-based Management: | Yes |
| Support SNMP: | Yes |

Physical

| | |
|------------------------------|--|
| Input Voltage: | 90 – 260 VAC |
| Power Consumption: | Approximately 100 Watts |
| Dimensions (WxHxD): | 19 x 1.75 x 17.3 inches (1 RU) 480 x 44 x 440 millimeters |
| Operating Temperature: | 0 to 50°C |
| Storage Temperature: | -40 to 65°C |
| Relative Operating Humidity: | <95% |
| MTBF: | >150,000 hours |
| Conformities: | FCC, CE, RoHS |

Ordering Info

EdgeDVB-T IP/8-24ch
EdgeDVB-T IP/16ch
EdgeDVB-T IP/8ch