

EtherTV Mod-T modulator allows adding digital TV and radio channels coming from different IP streams (Transport Stream over IP) into installations ready for DVB-T distribution (COFDM). In these places (MDUs, hotels, hospitals, ships ...) the use of digital receivers (STBs and iDTVs) is very widespread all over the world and it will become full when analogue switch-off becomes a reality.

EtherTV Mod-T is the perfect component to be used with EtherTV DVB-IP gateways or EtherTV Karina encoders to get digital TV channel available to DVB-T receivers in Corporate and Hospitality scenarios. Using this device, new TV channels (from satellite and cable networks, from IPTV systems, from encoders and from vide-servers) will be added to the already existing DVB-T offer in a very efficient, compact and easy way.

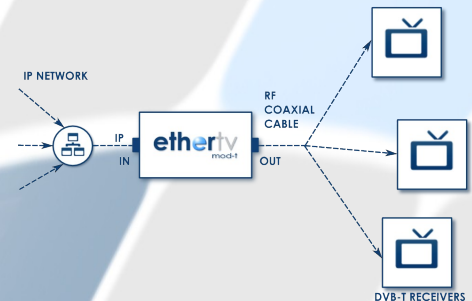
KEY FEATURES

- Input of MPEG-2 Transport Streams over IP
- Multiplexing to generate a TS compatible with DVB-T (ETSI EN 300 744)
- COFDM modulator in UHF band (VHF on request)
- Maximum efficiency and flexibility in the channel multiplexing
- PID remapping support
- SAP/SDP support
- Hot swappable and auto-start feature
- Compact Solution based on blade operation inside three possible chassis (see EtherTV chassis brochure). 1RU/19" chassis is also available (see EtherTV Flex brochure)
- Easy configuration via POLARplus Manager software tool
- Extremely robust and durable (24/7 operation)

ADDITIONAL INFORMATION

EtherTV Mod-T can work like a single COFDM modulator with an incoming MPTS over IP but it has powerful multiplexing capabilities at very low cost, which turn it into an efficient and flexible solution, generating OFDM channels with contents from different IP streams. The device's output needs to be externally filtered and combined.

Each EtherTV Mod-T generates a terrestrial MUX (up to 23 Mbps) and its operation is independent of encoding and display resolution, i.e. MPEG-2 or H.264 TV channels presented in SD or HD can be inserted into DVB-T distribution network.



SPECIFICATIONS AND REQUIREMENTS

- o **COFDM Output**
 - ✓ Connector: BNC (male), 75 Ω
 - ✓ Output Frequency: UHF band (35 – 69 channel range); other frequencies, ask to the manufacturer
 - ✓ Output level, adjustable: 50 - 70 dBμV
 - ✓ MER: > 35 dB
 - ✓ Channel bandwidth: 6, 7, 8 MHz
 - ✓ Modulation: QPSK, 16QAM, 64 QAM
 - ✓ FEC: 1/2, 2/3, 3/4, 5/6, 7/8
 - ✓ Guard interval: 1/4, 1/8, 1/16, 1/32
 - ✓ Number of carriers: 2k, 8k
 - ✓ Maximum bitrate: 23 Mbps
 - ✓ Standard compliance ETSI EN 300 744 v1.5.1
- o **Network Interface (Streaming and Management)**
 - ✓ 10/100 (RJ45) half/full duplex, auto negotiate
- o **Network Protocols**
 - ✓ UDP/RTP (input streaming Multicast/Unicast)
 - ✓ TCP/IP (Management)
 - ✓ SAP/SDP and IGMP v1, v2
- o **Power:**
 - ✓ 6 W per blade
- o **Physical:**
 - ✓ Height x Width x Depth: 129 x 20 x 174 mm
 - ✓ Weight: 150 gr.
- o **Environmental:**
 - ✓ Agency Approvals: CE, RoHS
 - ✓ Humidity: Up to 80%, non condensing
 - ✓ Temperature: 0 to +50 °C; fan less when operated in single box chassis
- o **Limited Warranty:**
 - ✓ 1-year standard limited warranty. Warranty extensions are available

ORDERING INFORMATION

- o **POL-ETV-MOD-BT: One MPTS bridge modulator.**
- o **POL-ETV-MOD-MT: Multiple SPTS multiplexer and modulator.**