

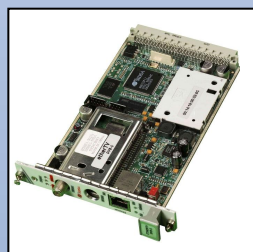
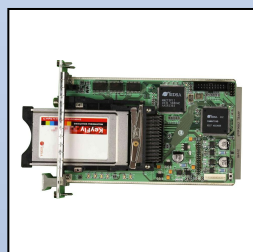
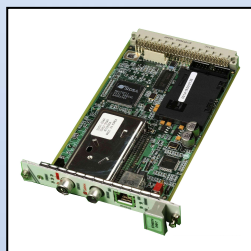
EtherTV introduces Digital Broadcasting Services directly into a LAN and distribute live broadcast TV and radio across IP networks. EtherTV is a cost-effective, modular and scalable platform able to receive, demultiplex and stream into IP network DVB-like signals (DVB-S/S2, DVB-T, DVB-C and DVB-ASI). The optional Common Interface slots (CI option) allow descrambling encrypted channels. EtherTV operation is independent of encoding and display resolution used in DVB service, i.e. MPEG-2 or H.264 TV channels presented in SD or HD can be inserted into IP networks.

## KEY FEATURES

- MPEG-2 TS stream over IP (UDP/RTP)
- Unicast and Multicast streaming
- Support for DVB-S/S2, DVB-T, DVB-C and DVB-ASI inputs
- Demultiplexing functionality and service filtering
- BISS descrambling supported. Multiple keys can be applied
- Dynamic service configuration. Changes in service information are detected and updated so the service streaming is not stopped
- Up to 14 services can be demultiplexed and streamed simultaneously
- EIT/EPG demultiplexing functionality is implemented
- SNMP monitoring
- Direct MPTS encapsulation into IP. Up to 60 Mbps in DVB-S2
- IP Extraction from MPE (Multi Protocol Encapsulation)
- Optional CI slots for service descrambling. Alternatively, CA info can be passed through
- SNR, BER and Pwr measures are provided
- PSI/SI analysis. PAT, PMT and SDT table regeneration
- SAP/SDP support
- Easy configuration via POLARplus Manager software tool
- Hot swappable and auto-start feature
- Compact solution based on blade operation inside three possible chassis (see EtherTV chassis brochure)
- Extremely robust and durable (24/7 operation)

## SPECIFICATIONS AND REQUIREMENTS

- o **DVB-S Input**
  - ✓ Connector: F-type female, 75  $\Omega$
  - ✓ Symbol Rate: 1-45 MSym/s
  - ✓ FEC: 1/2, 2/3, 3/4, 5/6, 7/8
  - ✓ Input Level: -70 to -25 dBm
  - ✓ Frequency Range: 950-2150 MHz
  - ✓ LNB Voltage: 0, 13, 18 volt
  - ✓ Maximum LNB Supply current: 750 mA
  - ✓ LNB Signalling: LNB voltage + 22KHz tone
- o **DVB-S/S2 Input**
  - ✓ Connector: F-type female, 75  $\Omega$
  - ✓ Symbol Rate (DVB-S): 1-45 MSym/s
  - ✓ Symbol Rate (DVB-S2): QPSK 1-36 MSym/s, 8PSK 1-30 MSym/s
  - ✓ FEC (DVB-S): 1/2, 2/3, 3/4, 5/6, 7/8
  - ✓ FEC (DVB-S2): 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
  - ✓ Input Level: -70 to -25 dBm
  - ✓ Frequency Range: 950-2150 MHz
  - ✓ LNB Voltage: 0, 13, 18 volt
  - ✓ Maximum LNB Supply current: 750 mA
  - ✓ LNB Signalling: LNB voltage + 22KHz tone
- o **DVB-T Input**
  - ✓ Connector: IEC female, 75  $\Omega$
  - ✓ Input Level: -88 to -20 dBm
  - ✓ Frequency Range: VHF (174-230 MHz) and UHF (470- 862 MHz)
  - ✓ Channel Bandwidth: 7, 8 MHz
  - ✓ Carrier Modulation: QPSK, 16QAM, 64QAM
- o **DVB-C Input**
  - ✓ Connector: IEC female, 75  $\Omega$
  - ✓ Input Level: -15 to +20 dBm
  - ✓ Frequency Range: 47- 862 MHz
  - ✓ Channel Bandwidth: 7, 8 MHz
  - ✓ QAM Mode: 16, 32, 64, 128, 256
  - ✓ Symbol Rate: 0.87-6.952 Mbaud
- o **ASI Input**
  - ✓ Connector: BNC female, 75  $\Omega$
  - ✓ Maximum Bitrate: 213.7 Mbps
  - ✓ Input Return Loss: > 17dB
- o **Network Interface (Streaming and Management)**
  - ✓ 10/100 (RJ45) half/full duplex, auto negotiate
- o **Network Protocols**
  - ✓ UDP/RTP (Streaming Multicast/Unicast)
  - ✓ TCP/IP (Management)
  - ✓ SAP/SDP
  - ✓ IGMP v1, v2
- o **Power:**
  - ✓ 5 W per blade (8 W with CI option)



**ORDERING INFORMATION**

- 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

- o POL-ETV-DX-S: EtherTV Deluxe DVB-S board
- o POL-ETV-DX-S-CI: EtherTV Deluxe DVB-S board with two CI slots
- o POL-ETV-DX-S2: EtherTV Deluxe DVB-S2 board
- o POL-ETV-DX-S2-CI: EtherTV Deluxe DVB-S2 board with two CI slots
- o POL-ETV-DX-T: EtherTV Deluxe DVB-T board
- o POL-ETV-DX-T-CI: EtherTV Deluxe DVB-T board with two CI slots
- o POL-ETV-DX-C: EtherTV Deluxe DVB-C board
- o POL-ETV-DX-C-CI: EtherTV Deluxe DVB-C board with two CI slots
- o POL-ETV-DX-ASI: EtherTV Deluxe DVB-ASI board

