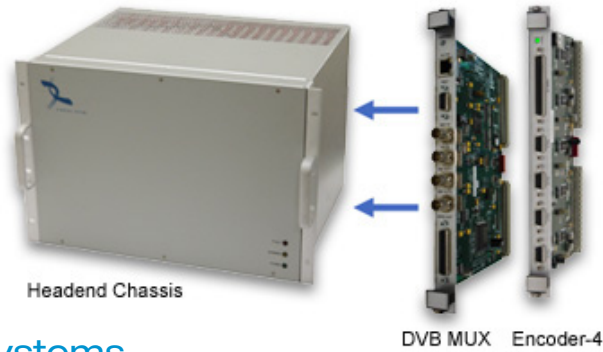


Digital Headend/Broadcast Systems



X-Digital Headend Systems

Applications

- Live Broadcasting
 - News, Talk and Sports
- Store & Forward
 - Save satellite transmission costs
- Copy Split/Spot Insertion
 - Localize advertising
- Time Shift Payback
- Broadcast Radio
- Multiple Dwelling Units
- Retail Stores
- Hotels
- Drop-in Radio Spectrum

Encoder Features

- Four balanced inputs
- MPEG1 layer II format (MP2)
- XDS-MUX backplane output
- Trans-coding synchronous inputs
- AAC format (optional)
- Two ancillary data inputs/port
- Four synchronous MPEG inputs
- MPEG1 layer III format (MP3) (optional)
- Multi rate encoding
- WMA format (optional)

DVB-MUX Features

- One ASI input
- Two ASI outputs
- LVDS output
- 10/100BT Ethernet port
- Alarm port and M&C via RS232
- Store and forward
- DHCP, NFS, HTTP, Telnet

LOW COST PROFESSIONAL DVB HEADEND

The XDS-Headend DVB system is designed to enable networks to provide enhanced capability without a large investment in hardware. The XDS-Headend has standard interfaces to support integration with third party equipment such as encoders and satellite modulators.

LIVE BROADCASTS

The XDS-Headend supports live channels for broadcast media. Live streams can be added in two ways. The XDS Encoder module can be inserted into the same VME chassis as the XDS-MUX module allowing direct multiplexing via VME backplane. A second option is to use a third party audio encoder with an ASI interface.

COPY SPLIT - SPOT INSERTION

This feature allows regionalized and localized ad campaigns. Specific advertising spots can be sent to regions or specific receivers. Audio files stored in the receiver can be inserted into live or recorded programs.

TIMESHIFT PLAYBACK

The XDS-PRO receiver is capable of recording and playing back any broadcast channel. This enables the network/station to time shift content to the proper air-time. Content can be recorded into its local or networked storage.

STORE & FORWARD AND FILE DELIVERY

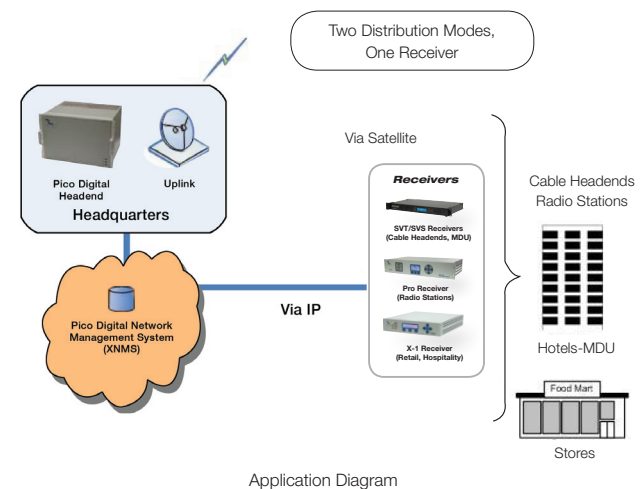
The XDS-Headend seamlessly interfaces to the XDS-Courier store and forward sub-system. Media files can be transmitted to clients via satellite or internet links.

AUTOMATION READY

The XDS-MUX module is programmable to output virtual channels as a "live assist" device. The play list includes media and channel format specifications. This permits the network operation to automatically schedule content to air at a specific time or on a specific event.

ADDRESSABILITY

Each XDS-PRO receiver is uniquely addressable via physical ID, Logical ID and Group ID which allows for maximum flexibility in configuring a network.



Application Diagram

Ordering Information

X-DIGITAL Headend Systems

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