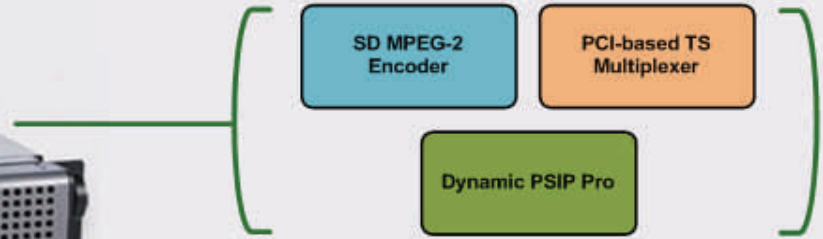


INTEGRATED SOLUTION DIGITAL TELEVISION CONVERSION SYSTEM



AN INTEGRATED DIGITAL TELEVISION CONVERSION SYSTEM

DTVi's Integrated Solution is a competitively priced system which combines a 2 RU rack-mountable server with a two-input Multiplexer, an SD Encoder, and DTVi's PSIP Pro Electronic Program Guide software.

Benefits:

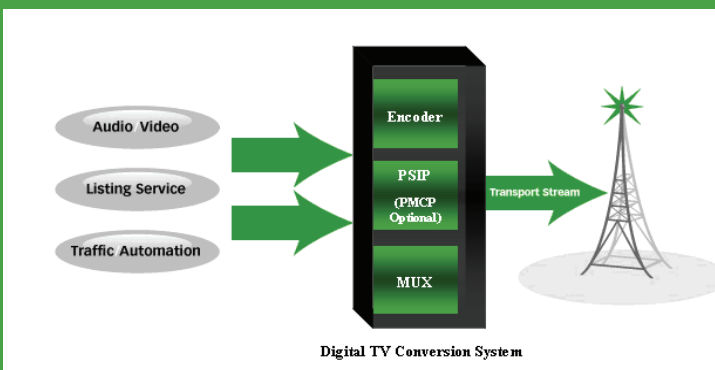
Cost - The Integrated Solution is high quality product that is competitively priced, versatile solution for both the high power and low power broadcaster.

Redundancy - The Integrated Solution offers broadcasters with a true solution to solving their requirements for station redundancy.

Business Continuity - The Integrated Solution is an excellent option for Broadcasters who are looking to avoid transmission outages.

Highlights

- ✓ Expandable - Open System Design
- ✓ Plug & Play Setup
- ✓ Full Featured, Easy to Use
- ✓ Dynamic PSIP Generation
- ✓ SD or HD Encoder Options
- ✓ Two-Input PCI Multiplexer
- ✓ Optional 4 -8 Input External Multiplexer
- ✓ Output DVB-ASI & SMPTE-310M
- ✓ Competitively Priced
- ✓ Excellent for Broadcast Redundancy



VISION + INNOVATION

INTEGRATED SOLUTION DIGITAL TELEVISION CONVERSION SYSTEM



SYSTEM COMPONENTS

Encoder - Supports Composite or Standard Definition, single channel, MPEG-2 video, MPEG Layer 2 and Dolby Digital (AC-3) 2-channel audio, PSI/SI control tables, closed captioning, and superior quality at lower bit rates (constant and variable). An optional HD encoder is available*.

Multiplexer - A two input MPEG-2 PCI multiplexer card creating a single MPEG-2 transport stream outputting in both DVB-ASI and SMPTE-310M formats simultaneously. Includes a Relay Bypass for Primary input; PCR Restamping; Auto-sensing of Transport Stream format and packet size; Opportunistic PSIP data insertion. An optional Four-Input Multiplexer is available*.

PSIP Pro Software - Full featured, Dynamic PSIP Generation software. User-friendly graphic interface; Unlimited virtual channels with up to 16-day program schedule; All ATSC PSIP Tables; Provides for closed caption, AC-3 Audio & Content Advisory Descriptors; Broadcast Flag for Redistribution Control.

*(Adds a secondary component which may increase the amount of rack space required)

Output Specifications

ASI

- Connector: BNC 75 ohm
- Data Rate: 270 MHz +/- 100pm in, +/-3ppm out
- Logic Levels: 800mV +/- 10%
- Data Rate: Accuracy:3pp
- ASI Burst: 213 Mbps

SMPTE 310M

- Connector: BNC 75 ohm
- Data Rate: 19.392658
- Format: Bi-phase mark coding
- Max Jitter: 1 ppm