

delivering *innovative* MPEG solutions



Adtec Delivers Innovative MPEG Solutions

Adtec Digital is the leading developer and manufacturer of embedded MPEG solutions. Our innovative products embody value, reliability and simplicity. Today's markets require faster, simpler, and more reliable products; devices akin to everyday appliances. In response to such a demand, Adtec products have been designed around our deterministic, multitasking video transport operating system (VTOS). Adtec's engineers implement leading edge technology, built on high performance CPU's, powerful MPEG decoders and encoders, all tied together by tightly integrated firmware. User-friendly software and an outstanding customer service team help to insure the successful use of our products for most any application.

edje Network MPEG Video Appliance

The edje offers superb video quality, versatile record and playback, reliable content delivery and absolute presentation control, all in a miniature chassis with 12V DC operational voltage. Available models include the edje, edje-DVD for CD/DVD file transfer, and the edje-L with built-in satellite receiver and DVB-to-IP converter.



edje



edje-DVD

edje 2000 Real Time Streaming Encoder

The edje 2000 real time streaming encoder accepts a variety of analog and digital audio and video inputs, converting them to high quality MPEG files for DVB-ASI and IP streaming or store and forward applications. Models are available to support two and four channel analog audio and optionally embedded AES-EBU audio on CCIR-601 serial digital (SDI) video. Supports MPEG audio and optionally Dolby AC-3 audio.



edje 2000

Soloist2 Broadcast MPEG2 Playback System

The Soloist2 offers ultra high reliability, exceptional performance, easy integration, and multiple output choices including Composite, Y/C, RGB, or Component video, all in a rugged 1RU chassis. Models include the Soloist2, Soloist2-SDI with serial digital (SDI) output, Soloist2-DVD for CD/DVD file transfer, and the Soloist2-S or Soloist2-S-SDI with built-in analog and digital switcher respectively.



Soloist2S-SDI

Duet MPEG2 Commercial Inserter

The Duet offers easy installation, low maintenance and rapid payback. It features a scalable channel architecture, triggers by network tone or other cue source and integrates with popular traffic and billing software. Available models include the Duet, Duet-DVD for CD/DVD file transfer, and the Duet-SDI with serial digital (SDI) switching.



Duet

Dolby AC-3 is a registered trademark of Dolby laboratories.

Selected Product Features

Edje-DVD Network MPEG Appliance

- Broadcast quality Full D1 MPEG 2
- MP@ML decoding up to 15 Mega bits per second
- Supports Constant and Variable bit rate encoding
- Supports MPEG 1, MPEG 2 Half-D1, MPEG 2 three-quarter-D1, and MPEG 2 Full-D1
- Built in hard drive storage
- Built in DVD ROM Drive for disconnected data management
- Copies 650 MB CD ROM to hard drive in 15 Minutes
- Copies 4.3 DVD ROM 75 Minutes
- MPEG File Encryption
- Built in hard drive storage
- File playback verification
- Frame accurate synchronous playback using MPEG STC time code via Ethernet
- Composite, YC video
- OSD with crawl banner
- Unbalanced analog audio
- Serial, Ethernet and Parallel control
- Robust API for developers
- TCP/IP Ethernet protocol
- FTP Server and Client (Concurrent)
- EMT (ADTEC high speed LAN Ethernet protocol)
- FCMP (ADTEC File Control Multicast Protocol for Satellite based distribution)
- Secure IP Authentication (Built-in Firewall)
- LAN and WAN support
- Satellite data distribution (FCMP)
- Supports control data distribution via the Internet
- Front panel LED status
- Supports NTSC, PAL, PALN and PALM standards
- Time Clock with NTP support
- IP Multi-Cast decoding
- Symphony Basic application included
- Playlist and Schedule (time based) support
- Compliant with most MPEG 2 program streams
- Compliant with most MPEG 1 system streams
- Plays elementary MPEG Audio streams
- Frame Indexing
- ADTEC embedded deterministic real time operating system (VTOS)
- NOT PC based
- External 12 VDC power supply
- Very small (12" x 1.75" x 10")
- UL and CE certified DC power supply

Please note, all information is subject to change without written notice.

Edje-2000 Real Time Streaming Encoder

- High picture quality at low MPEG 2 bit rates
- Advanced filtering and video resolutions
- Support MPEG 1 (Musicam) and Dolby AC-3 audio encoding
- Single Program Transport Stream (SPTS)
- Support PES (Packetized ES), and ES (Elementary Streams)
- Support DVB and IP platforms
- Very small easy to deploy devices (4 per 1 RU on optional rack kit)
- Very low power consumption and heat dissipation
- Very LOW per channel cost
- Very stable jitter
- Composite and Y/C analog video input
- SDI video with embedded audio input option
- 9 bit analog to digital video conversion
- Horizontal video scaling per macro-block (16 lines)

Duet MPEG2 Commercial Inserter

- Unlimited scalable size, one to hundreds of channels
- Same incremental cost per channel
- Incremental channel based design
- Local Storage for thousands of MPEG 2 commercials
- Flexible support for MPEG 2 from many encoder sources
- Extremely smooth frame accurate transitions from network and commercials
- Broadcast quality MPEG 2 video and audio
- Plays content from seconds to hours
- Removable local hard drives
- External storage
- File delivery via CD ROM, DVD or Jaz (disconnected headend, "sneakernet")
- Ethernet, T1, Fiber, Cable Modem, Internet, Satellite file delivery
- TCP/IP Protocol
- FTP client/server with pull or push capabilities
- Satellite data distribution via FCMP protocol
- Single point data deposit
- Automatic multiple point (Broadcast) data transmission (EMT) (Files transmit in the same time to 1 or 1000 units)
- Broadcast quality vertical interval video router
- High Fidelity balanced stereo audio router
- Auxiliary stereo audio and video input
- Tally output via NC/NO relay and open collector transistor circuit
- Built in Composite (RF) Baseband Demodulation (Subcarrier RF demodulator for Cue tone extraction)
- External DTMF and GPI inputs
- Cue via DTMF, GPI, Time, Vertical Interval, Terminal, Front Panel
- Vertical Blanking Interval bypass for Teletex insertion
- NTSC, PAL, PALM, PALN standards
- NTSC line 21 Field Closed Captioning
- Symphony Pro Cable application for data management and monitoring
- Automatic failure notification via pager, cellular, and e-mail
- Manual and Automatic Traffic and Billing interface
- Serial, Modem, Ethernet and front panel control
- Keypad with front panel LCD
- Library of network configurations simplifies setup
- Universal input power supply
- CE certification
- One rack unit chassis
- Simple reliable innovative design
- Adtec's VTOS operating system
- NOT PC based

Soloist2 MPEG2 Digital Video Player

- Broadcast quality Full D1 MPEG 2
- MP@ML decoding up to 15 Mega bits per second
- Supports Constant and Variable bit rate encoding
- Supports all half D1, three quarter D1 and SIF resolutions
- Supports NTSC, PAL, PALN and PALM standards
- Frame accurate synchronous playback using MPEG STC time code via Ethernet
- Composite, YC, RGB and YUV analog video
- Optional SDI (ITU-R601) digital video
- Genlock for external color and video timing synchronization
- Balanced and unbalanced analog audio
- Optional built in Composite (Soloist 2S) or SDI switcher (Soloist 2S-SDI)
- Large internal storage capacity with external SCSI port
- CD ROM, DVD, Jaz drive and removable hard drive support
- MPEG File Encryption
- Incremental channel based design
- FTP Server and Client (Concurrent)
- EMT (ADTEC high speed Ethernet multicast protocol)
- Satellite data distribution (FCMP)
- Time Clock with NTP client
- Interface and File playback verifications
- Supports NTSC, PAL, PALM, PALN video standard
- OSD, On Screen Display with support for 24 bit color BMP
- BMP scaling and color reduction with alpha blending
- OSD Crawl with three dwell speeds and alpha blending
- IP Multi-Cast decoding
- Extensive control and scripting functionality nearly eliminates need for external controllers
- Robust developer API with over 120 scripted commands
- Automatic "Shadow" commands for STC based event triggers
- ADTEC VTOS embedded real time operating system
- NOT PC based
- 1 rack unit chassis
- CE certification

Adtec Digital, Inc.
Innovative MPEG Solutions
www.adtecinc.com
US Sales: 615/256-6619
Int'l Sales: 904/394-0389