

“DPI” 1200 Digital Program Insertion Ad Server

Adtec's DPI 1200 delivers unmatched flexibility and performance at a significant savings over the competition.



“DPI” Designed to concurrently insert up to twelve MPEG2 or AVC programs into a digital cable or television service, the DPI-1200 Ad Server offers the absolute highest transport standards required for broadcasting. From local storage or network attached storage, the DPI-1200 imports programs to its core, processes and multiplexes them in preparation for their delivery via ASI output to a single or multiple ad splicers.

The DPI-1200 seamlessly interfaces with Adtec's adVantage enterprise management solution allowing it to operate with the industry leading Duet Ad Inserter. The DPI-1200 and Duet work together to provide analog and digital tier ad insertion and interoperate with ad insertion systems from C-COR and SeaChange.

Combine the ad server with Adtec's adCode media ingest station to seamlessly bridge the transition from analog and SDI digital insertion to DPI. adCode prepares the highest quality DPI ready media in the industry.



applications

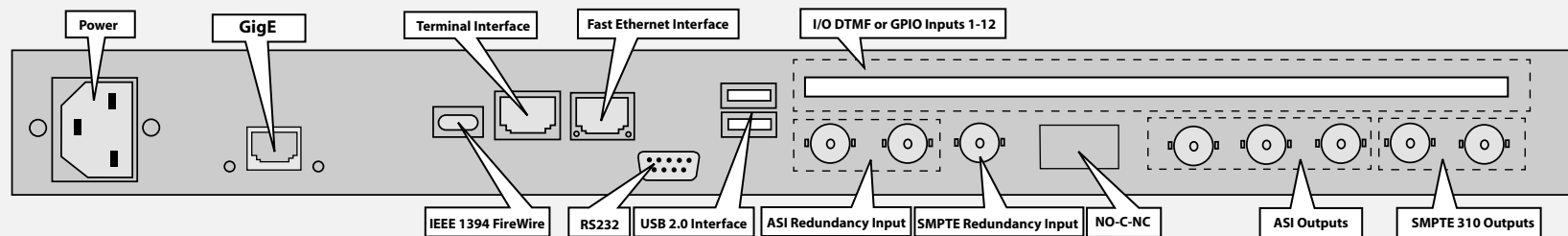
- Digital Into Transport Ad Insertion "Splicing"
- Digital program playback (MPEG Transport via ASI)
- Terrestrial DTV (ATSC and DVB-T)

benefits

- **Twelve Concurrent Inserts:** The DPI-1200 delivers ads for seamless back-to-back splicing on twelve unique programs. Its ability to stitch together the media and maintain broadcast transport standards is unmatched by the competition.
- **Gigabit Ethernet Input:** The DPI-1200 utilizes a GIGE Ethernet interface to provide rapid media loading or connection to an industry standard Network Attached Storage (NAS) array. This flexible standards-based interface affords rapid and economical storage capacity growth.
- **RAID storage:** The DPI-1200 includes 300 GB of RAID storage. Add extra storage or share storage between multiple DPI's using industry standard Network Attached Storage (NAS)
- **DVB-ASI Outputs:** The DPI-1200 provides three mirrored DVB-ASI outputs. This is ideal for interfacing with up to three Ad Splicers concurrently without external ASI distribution hardware.
- **SMPTE-310M (Optional):** The DPI-1200 optionally provides the highly accurate clock and physical interface for ATSC 8VBS modulators. When SMPTE-310 is enabled, the ASI outputs mirror the SMPTE clock rate.
- **Absolute Control:** Controlling and configuring the DPI-1200 is user-friendly. Whether using the integrated front panel keypad and LCD, Serial Terminal or control application, the DPI-1200 responds rapidly and reliably to the desires of the operator.
- **Traffic and Billing Interface:** The DPI-1200 provides a native Traffic and Billing interface. When combined with the Adtec Traffic and Billing Gateway Server, the DPI-1200 will automatically retrieve media and schedules and return logs to their appropriate folders on the LAN/WAN.

availability

DPI-1200 Digital Program Insertion Ad Server for up to 12 concurrent channels



specifications

Front Panel

- 8 Button Tactile Raised keypad: Mode, Select, Enter, Escape, Up, Down, Left, Right
- Blue Translucent LCD
20 character by 2 row
- Front Panel Host LED's
Power, Alarm, Link, Busy, Storage
- Front Panel LEDs
ASI, SMPTE 310M, Channels 1-12, Alarm

Standards Compliance

- SCTE 30
Ad Server to Splicer IP based command/control protocol
- SCTE 35
Via SCTE 30 from Splicer
Transport private data cueing (requires optional ASI input board in lieu of DTF/GPI)

Storage

- 300GB RAID 1
- NAS (software included NAS device and hard drives extra)

Inputs

- Gigabit Ethernet
- NAS Compliant Storage Interface
- ASI (10 port ASI input option - replaces DTMF/GPI module)
- DTMF/GPI
Twelve GPI or GPO
Twelve DTMF In

Output Options

- ASI Mirrored (BNC x 3) - 213 Mbps Max
- Jitter less than 150 (nS)
- PCR, PTS re-stamping
- SMPTE 310M Option (BNCx2) - 19.4 Mbps

Tables

- MPEG
PAT
CAT (if CA is enabled)
PMT
- DVB (optional with streamer application)
NIT
SDT
TDT/TOT
EIT
- ATSC [Static PSIP - Dynamic with external generator] (optional with streamer application)
VCT (Cable or Terrestrial)
MGT
STT
RRT
EIT (1-4)

Table Processing

- User defined management of all PID components or tables if required in streamer mode

Host Platform

- PowerPC CPU
- Linux 2.6 Kernel OS (Hardened)
- 10/100 Ethernet RJ-45
- Serial Port (RJ-48)
- USB 2.0
- IEEE 1394 (Firewire)
- GPIO (9 Pin D-sub)
- HTTP, FTP, Telnet, IP Logging, SNMP MIB II and private MIB, DHCP, (XCP Adtec encrypted layer 3 protocol)

Power

- 70-240 VAC switching power supply
- 50/60 Hertz
- Rated at 150 Watts nominal usage 40 watts

Physical

- 19" wide, 1.75" tall, 14" deep
- 1 Rack Unit

Environmental

- Active cooling (Push pull Fans)
- 0 to 90 Degrees Fahrenheit
- Less than 70% RH
- Non-Condensing

what's included

- DPI 1200 Ad Server
- DPI Control application control & configuration software for Windows 2000/XP or Macintosh OS X (10.2 or greater).
- Connection Kit: power cord, Ethernet cable, serial adapter
- Manual

Note: Specifications subject to change without written notice

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