



## DPI1200

### Digital Program Insertion Ad Server

Digital Program Insertion Ad Server 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. 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 and seamlessly interfaces with Adtec's adVantage Enterprise Management Solution. The DPI-1200 interoperates with ad insertion systems from C-COR and SeaChange as well.



Combine the ad server with Adtec's mediaHUB-HD Pro or mediaHUB-HD 422 Studio Encoder to bridge the transition from analog and SDI digital insertion to digital program insertion.

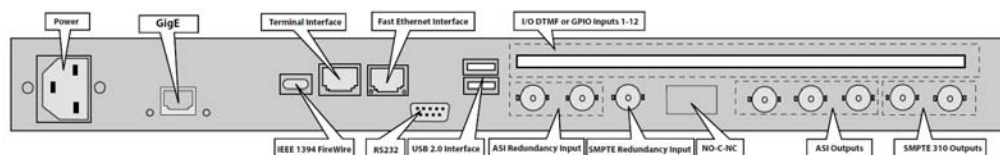
#### Benefits

- **Twelve Concurrent Inserts:**  
The DPI-1200 delivers ads to 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.
- **RAID storage:**  
The DPI-1200 includes 300 GB of RAID storage.
- **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 or Telnet, 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.

## Digital Program Insertion Ad Server

### Specifications

<b>Power:</b>	70 – 240 VAC switching power supply; standard 3-pin computer power plug
<b>GigE:</b>	Gigabit Ethernet
<b>Firewire:</b>	IEEE1194 FireWire (reserved for future use)
<b>Terminal Interface:</b>	Back end serial port for Adtec service technicians
<b>Fast Ethernet:</b>	10/100 base T ethernet interface
<b>RS232:</b>	Used to communicate with redundancy switch
<b>USB 2.0:</b>	Reserved for future use.
<b>I/O DTMF or GPIO:</b>	Inputs 1-12 DTMF tone / GPIO board option for DPI-1200
<b>ASI Redundancy Input:</b>	Used to link 2 DPI-1200's in tandem; one as primary, one as backup
<b>SMPTE Redundancy Input:</b>	Used to link 2 DPI-1200's in tandem; one as primary, one as backup
<b>No-C-NC:</b>	Redundancy Tally, used to hook up to an external alarm device
<b>ASI Outputs (3):</b>	Triple Mirrored ASI Outputs
<b>SMPTE 310 Outputs (2):</b>	Optional Mirrored SMPTE Output



### Front Panel

- Tactile Raised Keypad Buttons:  
Mode, Select, Enter, Escape, Up, Down, Left, Right
- Blue Translucent LCD:  
20 character by 2 row
- Front Panel Host LEDs:  
Power, Alarm, Link, Busy, MPE
- Front Panel LEDs:  
ASI, SMPTE 310M, Channels 1-12, Alarm

### Standards Compliance

- SCTE 30  
Ad Server to Splicer IP based command and control protocol
- SCTE 35  
Via SCTE 30 from Splicer Transport private data cueing

### Storage

- 300GB RAID 1

### Inputs

- Gigabit Ethernet
- 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

### Host Platform

- PowerPC CPU
- Linux 2.6 Kernel OS
- 10/100 Ethernet RJ-45
- Serial Port (RJ-48)
- GPIO (9 Pin D-sub)
- HTTP, FTP, Telnet, IP Logging, 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 in. wide, 1.75 in. tall, 14 in. deep
- 1 Rack Unit

### Environmental

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