

# “DPI 1200

## 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.



### features

- **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.



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## Options & Accessories

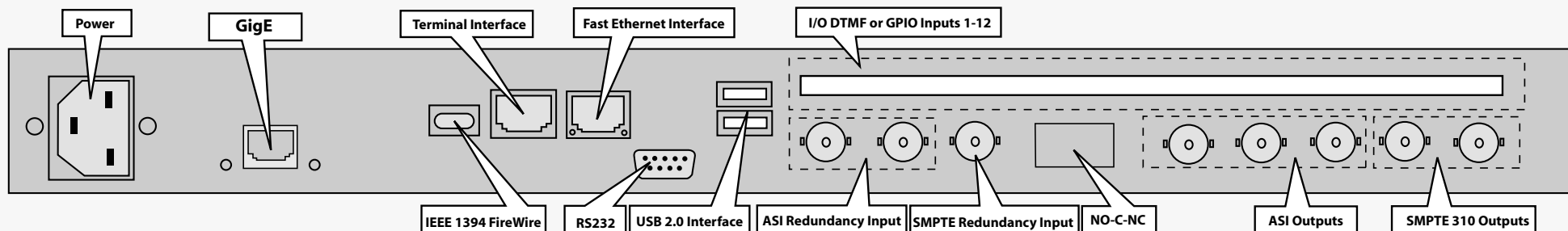
**DPI-Streams: The DPI-1200 Digital Into Transport Ad Server comes standard with DTMF and 2 streams out. Additional streams (up to 10 additional SD or 2 additional HD) can be purchased.**

## Related Products

**mediaHUB-HD Pro:  
High and Standard Definition Studio Encoder**

**TBGS w/adManage:  
Enterprise Management Server and Application**

# DP1200 Digital Program Insertion Ad Server



**Power:** 70 – 240 VAC switching power supply; standard 3-pin computer power plug.

**GigE:** Gigabit Ethernet

**Firewire:** IEEE1394 FireWire (reserved for future use)

**Terminal Interface:** Back end serial port for Adtec service technicians

**Fast Ethernet:** 10/100 base T ethernet interface

**RS232:** Used to communicate with redundancy switch

**USB 2.0:** Reserved for future use.

**I/O DTMF or GPIO:** Inputs 1-12 DTMF tone / GPIO board option for DPI-1200

**ASI Redundancy Input:** Used to link 2 DPI-1200's in tandem; one as primary, one as backup

**SMPTE Redundancy Input:** Used to link 2 DPI-1200's in tandem; one as primary, one as backup

**No-C-NC:** Redundancy Tally, used to hook up to an external alarm device

**ASI Outputs (3):** Triple Mirrored ASI Outputs

**SMPTE 310 Outputs (2)** 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