

IP-NET VISION™ Digital Program Insertion Interface

Model
DPIX



The IP-NET VISION DPIX is a custom built appliance designed to facilitate Digital Program Insertion (DPI).

DPIX works in conjunction with Digital Splicers and Legacy Ad Insertion Systems.

Since many networks do not currently transmit SCTE-35 Compliant Cue Messaging Required for DPI, DPIX provides multiple means of detecting Ad Cues and converting such cues to SCTE-35 and SCTE-30 compliant messages.

By allowing DPI on networks without SCTE-35 cue messaging and legacy Ad Insertion Systems DPIX allows Ad Splicing within the digital domain saving the need for costly and complex analog ad insertion and re-encoding.

DPIX can interface with IP-NET MMX or other systems via SOAP APIs.

Features:

- Detects Analog DTMF Cue Tones from baseband audio inputs
- Detects Digital DTMF Cue Tones embedded MPEG Audio Program Elementary Streams
- Detects Contact Closure (NO/NC) Ad Triggers
- Allows for Time Based DPI Triggers (Option)
- Converts Cues to SCTE-35 Compliant Messages
- Converts SCTE-35 Messages to SCTE-30 Splice Commands
- Interface with Legacy Campaign Managers
- Interfaces with Media Storage Devices, such as IP-NET ICE to generate program playback.
- Interfaces with Multiplexers and Digital Splicers such as RGB Network's Broadcast Network Processor
- Can interface with EAS systems to trigger splicing of Alerts

Applications:

- Ad Insertion
- Logo & Graphics Insertion
- Animation Insertion
- Text Crawl Insertion

Hardware Specifications:

	Quantity	Component	Configuration
Chassis:	1	1RU Rack-mounted Chassis (NEBS-compliant optional)	2 or 4 Post
CPU(s):	1 (Total: 2)	Intel Xeon Dual-core 2.0 GHz (woodcrest/5160) or higher	
Memory:	2	1GB SDRAM 667MHz or higher	
Disk Drives:	2	146GB 15K RPM SAS or higher	Hot-Swappable
Network Interfaces:	2	1GBe Broadcom On-Board NICs	NIC Bonded For Redundancy
RAIP Controllers:	1	Integrated Hardware Controller	RAID 1 Mirrored
CD-ROM/DVD-ROM:	1	48X/16X CD-R / DVD-R	
Power Supplies:	2	Redundant 110/220VAC or -48VDC	Hot-Swappable
Fans:	2	Redundant Cooling Fans	Hot-Swappable
Operating System:	1	Red Hat Enterprise Linux 4.5 Es for x86	

Note: Specs subject to change according to technical requirements of specific configurations.