



Spearheading the IP Evolution
service integrity
signal integrity
remote monitoring

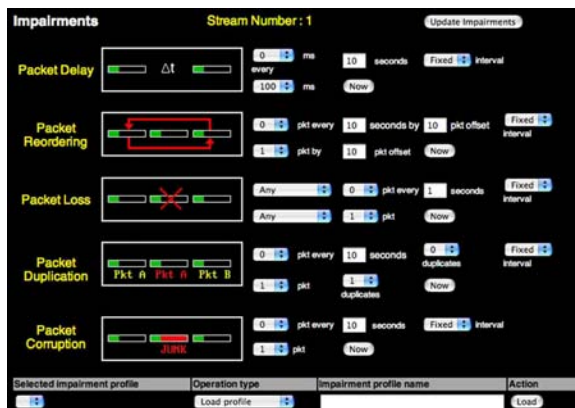
DVStorIP-Gen - Headend In A Box

INTRODUCTION

The Pixelmetrix DVStorIP-Gen™ offers simulation of a fully operational IP video delivery headend. It is an effective lab test tool used to understand the behavior of network elements and devices in real world video delivery scenarios. A single IP-Gen eliminates the need for multiple equipment to stimulate the operational scenarios of a typical IP video headend. The DVStorIP-Gen serves as a video storage and streaming server, with the ability to generate up to 900 Mbps of real video traffic with 7 unique transport streams.

The ability to simulate a real network is crucial for Lab Testing. The DVStorIP-Gen can generate error-free as well as streams with user-defined impairments. These capabilities are crucial for stress testing network elements. Channel change simulation in a multicast enabled network and video server storage are some of the important functionalities of this cost-effective solution.

The true value of the DVStorIP-Gen lies in its ability to act as a 'real' video delivery source. The solution aims at bringing operational conditions to the lab, by introducing errors to video streams and networks.



KEY FEATURES

- Ability to generate up to 900 Mbps of real video traffic with 7 unique transport streams
- Introduce impairments 'on the fly' to streamed video traffic
- Serve as a video storage and streaming server
- Simulate a channel source engine in a multicast-enabled network

STREAM IMPAIRMENTS

- **Packet Loss & Delay**
Packets can be dropped/delayed at user-defined intervals or upon demand.
- **Packet Duplication**
User selection of the number of packets to be duplicated, the frequency of duplication and the number of duplicates for a packet.
- **Packet Corruption**
User selection of the number of packets to be corrupted and the frequency of packet corruption.
- **Dropping packets containing I, B and P frames (video aware impairments)**
These packets can either be done periodically or instantaneously. Packets belonging to single I, B or P frames can be selectively dropped.

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