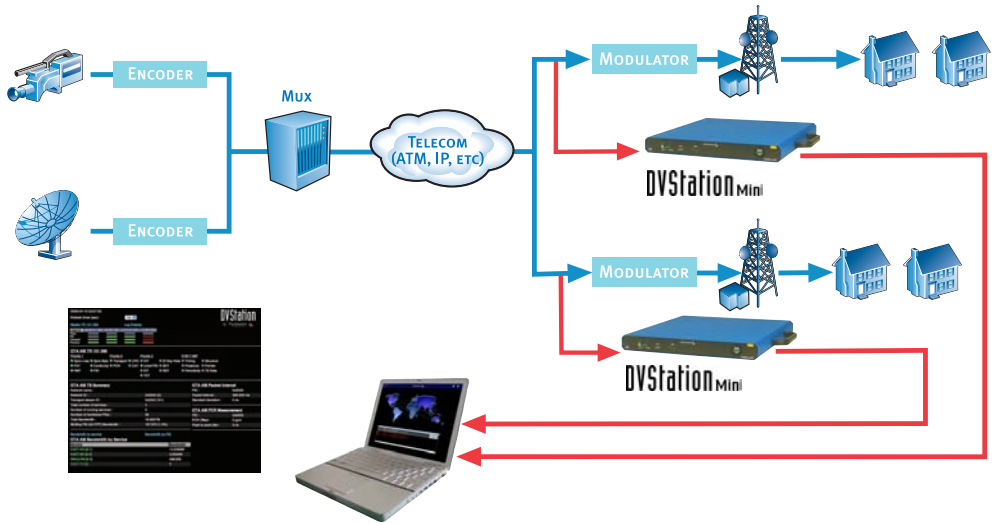**DVStation** Mini

DVStation-Mini TSP

Overview

The DVStation-Mini TSP is a single port ASI/SMPTE-310 transport stream monitoring solution. Rugged and portable, it is ideal for rough and mobile environments.

The DVStation-Mini TSP lets you remotely view full-frame MPEG-2/H.264 video with the associated audio. The DVStation-Mini TSP can also *capture* a segment of the live transmission for later analysis.

Designed to be rack-mounted in a mobile environment or carried in the field, the DVStation-Mini TSP has internal shock mounts to ensure that it is working at its best when you need it most.

Encoder
Encoder
Mux
Telecom (ATM, IP, etc)
Modulator
Modulator
DVStation Mini
DVStation Mini

Key Features

- Remotely view MPEG-2/MPEG-4 video along with associated audio
- *Capture* a part of the live transmission in the field for later analysis
- Monitor multiple sources in a time-shared mode
- Reliable operation in shock-susceptible mobile applications
- 1 RU rack-mountable - small footprint
- Easily configured with a web browser or VNC client - Mac/PC compatible
- NMS Integration via SNMP traps
- ASI, SMPTE-310 & SPI input
- Easy recovery using supplied USB recovery drive and default IP reset

Video thumbnails for confidence monitoring

Audio presence with tone/silence alarms

Overall status summary: Bandwidth, transport stream and table integrity

Service Information Summary

Bandwidth per PID

Per-PID view of the status of continuity count and other PID based errors

Analyze
- PSI/DVB-SI/ATSC PSIP Decode in real time
- Display of video thumbnails of services and associated metadata
- PID View

Measure
- TR 101 290 or ATSC A/78 conformance analysis
- Bandwidth measurements
- Inter-packet arrival intervals
- PCR Jitter

Configure Alarms
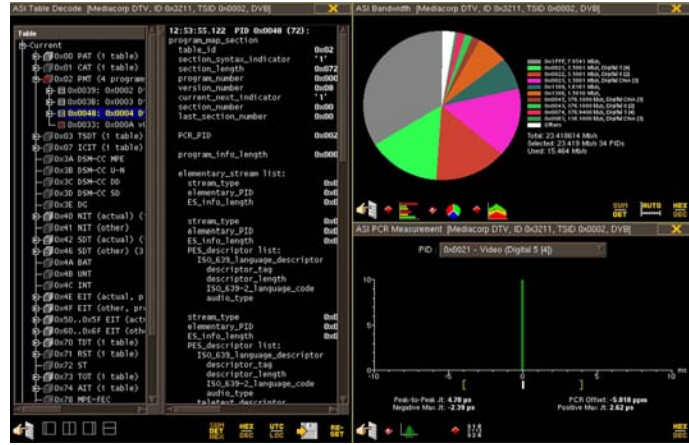- All the measurements with configurable threshold
- On-Air Content Validation

MIP Support for DVB-T Single Frequency networks

Pixelmetrix
c o r p o r a t i o n

OPTIONS

- **On-Air Content Validation (OCV)**

  Automatically identify discrepancies between the expected baseline and actual broadcast content: missing or extra services, incorrect service names, loss of subtitles, wrong language, incorrect age-rating

- **MHP Object & DSM-CC Data Carousel Analysis**

  Validate smooth operation of interactive TV services

- **ASI Router Control Software**

  Control an external ASI router for round-robin monitoring of multiple ASI sources

- **M2P Interface**

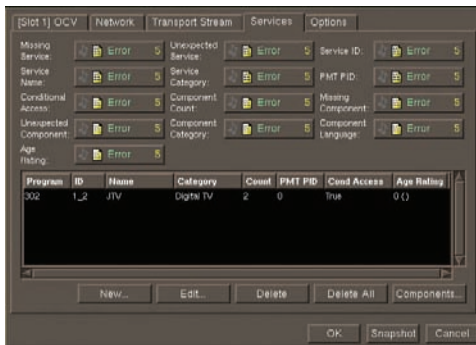 Hardware interface required for certain legacy equipment

Decode tables for troubleshooting: View table contents in plain text, ASCII or hexadecimal

Bandwidth utilization by the transport stream components

PCR Jitter Measurements

To learn more about how the DVStation-Mini TSP can help you monitor your transmission network, please visit the DVStation-Mini micro site at:
http://www.pixelmetrix.com/eng/dvstationmini.htm

DVStation-Mini TSP with rack-mount ears installed

DVStation-Mini TSP Front Panel

DVStation-Mini TSP Rear Panel

SPECIFICATIONS

System Interfaces
- Management Port
  - 10/100 Base-T
  - RJ-45 Copper Connector
- Serial Port
  - 9-pin DE-9P Connector
- GPI Contacts
  - 4 Contacts
  - 9-pin DE-9P Connector
- USB 1.1a Connector

Control Interfaces
- HTML Web Browser
- VNC Remote Client

Electrical Characteristics
- Power Input
  - 90-240 V AC; 47-63 Hz
- Current Requirement
  - 5.0A at 115 V AC Max
  - 2.5A at 230 V AC Max

Network Management
- SNMP MIB for NMS integration

Mechanical Characteristics
- 1 RU Portable with handle or 19 inch rack-mountable
- Operating Temperatures
  - +10°C to +30°C
- Storage Temperature
  - 0°C to +50°C

Mass Storage
- 80 GB shock-mounted HDD

Input Interfaces

Asynchronous Serial Interface (ASI)

Connector Type
- BNC

Signal Level
- 200mVpp to 2Vpp

Input Impedance
- 75Ω

Standards
- DVB-PI-232 TM 1449/
- ISO/IEC 13818-1 & ANSI X3T11 EN 50083 Part 9

SMPTE-310

Connector Type
- BNC

Signal Level
- 200mVpp to 2Vpp

Data Rate
- 19.392 Mbps
- 658.46 Hz (8-VSB)

Input Impedance
- 75Ω

Standards
- SMPTE-310/IEC 60169-9

Synchronous Parallel Interface (SPI)

Connector Type
- DB-25S Female Connector

Signal Level
- EIA/TIA-644 (LVDS)

Input Impedance
- 100Ω

Standards
- DVB-PI-232 TM 1449/ EN 50083 Part 9

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