



DVStation-Pod: Compact Test Analyzer

A COMPLETE SOLUTION

DVStation-Pod is an ideal tool to analyze and troubleshoot digital signals in satellite communications, broadcast television facilities, cable television plants and other operations handling networked video data.

Light and so portable that it easily slips into a briefcase, the DVStation-Pod borrows most of the advanced features of the award-winning DVStation. This includes its user-friendly interface, on-board transport stream capture, internal analysis as well as error and measurement logging.

KEY APPLICATIONS

- Ideal as an inexpensive analyzer to set-up and commission new installations and to troubleshoot signal problems
- Low cost signal test analyzer for remote satellite facilities
- Analyzer for production line testing in electronic manufacturing
- Entry-level test analyzer for small facilities

KEY FEATURES

- Many of the best features of the award-winning Pixelmetrix DVStation at a fraction of the price
- Real-time Portable Analysis
- Transport Stream Capture
- Analysis of Captured Streams
- On-Air Content Validation
- 10 Models Available, depending on user application
 - ASI/SPI/SMPTE-310
 - QPSK L-Band
 - QPSK 70MHz IF
 - ATM
 - COFDM
 - QAM Annex A, B and C
 - AMM
 - QMM



DVStation-Pod QPSK



TRANSPORT STREAM ANALYSIS

DVStation-Pod offers real-time comprehensive MPEG transport stream monitoring. Its intuitive interface provides all important data at a glance, while its powerful software allows engineers to quickly identify and examine errors. The comprehensive visual display system helps to assimilate a large amount of information in an easy manner.

TRANSPORT STREAM CAPTURE

A key feature borrowed from the DVStation, the Pod contains a real-time buffer that allows the capture of up to 96 MB of transport stream data. A flexible trigger point provides for pre-trigger and post-trigger capture. The unique internal transport stream playback function allows the stream you have captured to be played in a loop to analyze errors as they occur. This internal capability eliminates the need of a costly third party outboard device to analyze the data.

ERROR AND MEASUREMENT LOGGING

A comprehensive logging feature allows the user to keep track of errors as they are detected by the DVStation-Pod. These files are easily viewed and exported for in-depth analysis and troubleshooting. In addition, measurement logs can be generated upon user-defined settings, useful for determining proof-of-performance of signal quality and integrity.

BUY ONLY WHAT YOU NEED

DVStation-Pod models are available to analyze transport stream signals including ASI, SPI, SMPTE-310 interfaces and DVB, MPEG, ISDB and ATSC standards. RF Models are available for QPSK L-Band, COFDM, QPSK 70MHz IF, QAM Annex A, B and C, all which include a built-in transport stream analyzer as an added benefit. An ATM Model for 155 Mb/s OC-3c/STM-1 measures physical and transport layer.

ADDITIONAL INFORMATION

Use of the DVStation-Pod requires a user-provided Intel Pentium III personal computer with 700 MHz or faster processor, 384 MB of RAM, 2 GB of available hard disk space and an Ethernet interface. Requires Windows 2000 or later. Support for Red Hat Linux kernel V2.4 or later available upon special request.



QPSK Modulation Performance



MPEG Service Bandwidth



Sonet/SDH and ATM Transport Status

SPECIFICATIONS

DVStation-Pod (TSP)

- Synchronous Parallel Interface (SPI)
- Asynchronous Serial Interface (ASI)
- SMPTE-310M

DVStation-Pod (QPSK)

- Connector type: F connector
- Input signal: 950 to 2150 MHz QPSK signal
- Symbol Rate: 3 to 30 Mbaud
- Code rate (Viterbi): 1/2, 2/3, 3/4, 5/6, 7/8
- Power level -25 to -65 dBm

DVStation-Pod (QPSK 70MHz IF)

- Connector type: F connector (75 ohms)
- Input signal: 70MHz IF signal
- Symbol Rate: 3 to 30 Mbaud
- Code rate (Viterbi): 1/2, 2/3, 3/4, 5/6, 6/7, 7/8
- Power level -25 to -65 dBm

DVStation-Pod (COFDM)

- Connector Type: BNC
- Input Impedance: 75 ohms
- RF Power Level: -15 to -85 dBm
- Tuner Center Frequency Range: VHF 174 to 230 MHz, UHF 470 to 862 MHz
- Tuner Channel Bandwidth: 7 or 8 MHz

DVStation-Pod (ATM)

- Connector: SC (Optical)
- Wavelength Range: 1200nm - 1600nm
- Input Power Level: -36dBm to 0 dBm
- Bit Rate: 155.52 Mbps
- Framing: OC-3c (SONET) / STM-1 (SDH)

DVStation-Pod (QAM Annex A,B, and C)

- Connector: BNC
- Impedance 75 ohms(RF) 75 ohms or 50 ohms(IF)
- Return Loss: 13 dB Typical (RF)/ 14 db Typical (IF)
- RF Power Level: -13 dBmV

DVStation-Pod (AMM)

- 270 Mb/s serial component digital video
- ITU-R BT 601, BT.656, SMPTE 259M
- Embedded audio over SDI, SMPTE 272M

DVStation-Pod (QMM)

- 270 Mb/s serial component digital video
- ITU-R BT.601, BT.655, SMPTE 259M

SYSTEM REQUIREMENTS

- Intel Pentium III, 700 MHz or faster processor
- 384 Mbyte of RAM
- 2 Gbyte of available hard-disk space
- Ethernet interface
- Windows 2000 or Red Hat Linux V2.4 or later

Pixelmetrix Corporation

The Americas

10097 Cleary Boulevard
Suite 114 Fort Lauderdale
Florida 33324 USA
Tel: +1 954 472 5445
Fax: +1 954 472 6989

Asia Pacific

31 Kaki Bukit Road 3
#07-03 Techlink
Singapore 417 818
Tel: +65 6547 4935
Fax: +65 6547 4945

Europe

Moosstrasse 6
CH 5443 Niederrohrdorf
Switzerland
Tel: +41 56641 0317
Fax: +41 56500 0161

www.pixelmetrix.com

Distributor Contact

Ref: PPN30097
Copyright © 2007 Pixelmetrix Corporation. All rights reserved.
All other products or service marks are the property of their respective owners.
Preventive Monitoring, DVStation, DVStation-Remote, DVStation-Pod, DVStation-IP, DVStation Mini, DVStor,
DVStorIP, DVStorIP-Gen, DVShift, DPI Auditor, EndGame and VISUALmpeg are trademarks of Pixelmetrix Corporation.
Data subject to changes without prior notice.