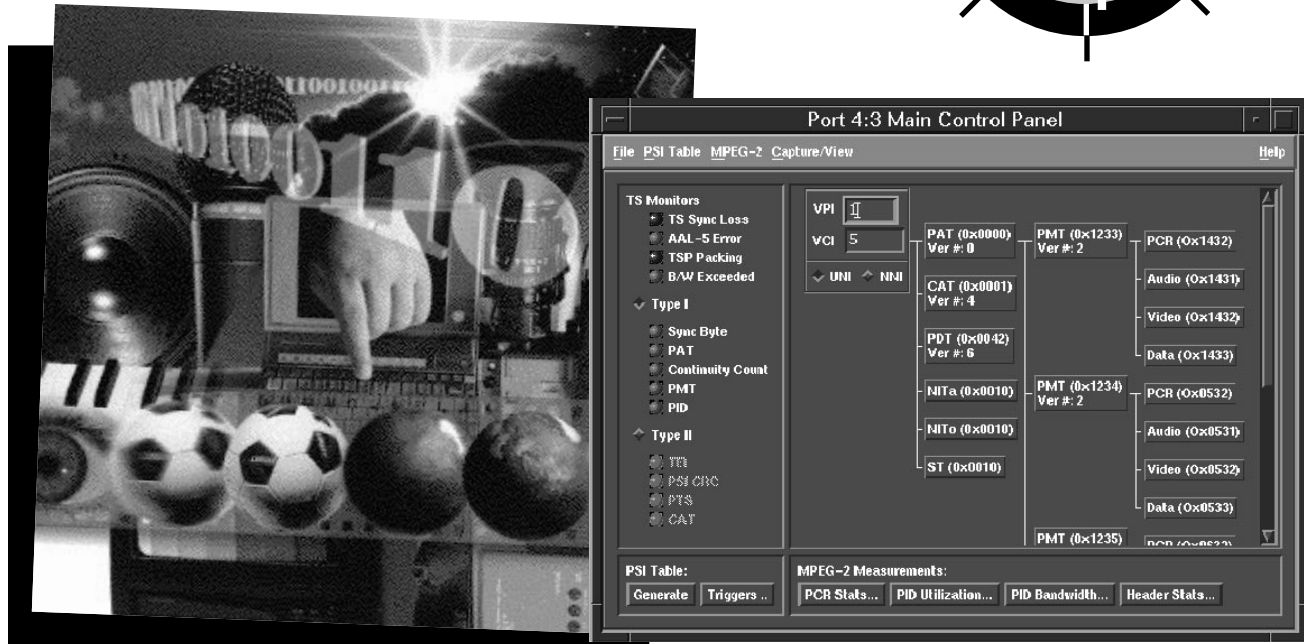
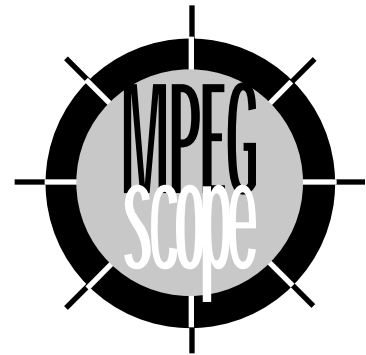


# MPEGscope ATM Test Application

E6271A



NEW! Real-time MPEG-2 test application for the HP Broadband Series Test System displays MPEG-2 errors in real-time. Saves valuable trouble-shooting time. PSI tables on the right shows live data. Common MPEG-2 measurements are made easy with buttons.

Say goodbye to cumbersome post-processing test procedures. The E6271A MPEGscope ATM Test Application saves critical hours by supporting real-time analysis of MPEG-2 transport streams. And, it runs as a software/firmware application on the Broadband Series Test System, the industry-standard ATM & B-ISDN protocol and transmission test system for R&D engineering, field trials, commissioning and conformance testing applications.

## Major Test Functions

- ◆ Real-time analysis of all aspects of the MPEG-2 transport layer, including quick, quantitative PCR timing jitter and interval measurement
- ◆ Sets trigger points on measurements for easy isolation of bugs

- ◆ Pattern matching on MPEG transport stream allows you to trigger on any MPEG TS or adaption fields
- ◆ Decodes video by capturing data, decoding data, and displaying actual video.

## Major Applications

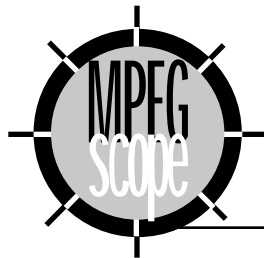
Even small error rates in MPEG-2 transport streams can result in unacceptable video quality for the end user. This means that equipment manufacturers, R&D labs, and service providers need powerful testing capabilities to ensure that their equipment and networks perform flawlessly.

The HP E6271A MPEGscope ATM Test Application allows you to perform critical MPEG-2 transport stream analysis in real-time, eliminating the hours required to

capture, save and then analyze data via post-processing test applications.

Digital video service providers can use the MPEGscope ATM Test Application to validate, commission and ensure interoperability of video-on-demand network components. It can also be used to test equipment performance and network quality-of-service.

Equipment manufacturers can use the MPEGscope ATM Test Application to debug products and ensure proper implementation of MPEG-2 protocols. And R&D labs can use it to test MPEG-2 implementations and new algorithms.



## MPEGscope ATM Test Application

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### The Industry's First MPEG-2 Transport Stream Real-Time Analysis Test System

- ◆ PCR timing jitter and interval measurement
- ◆ PID utilization and bandwidth measurement
- ◆ PSI table monitoring, including PAT, PMT, CAT, PDT and NIT display, section error, and PSI table CRC error
- ◆ Transport stream and global error indicators enable users to constantly monitor the status of data
- ◆ Header statistics, including sync byte errored seconds, and count/rate for sync byte error, continuity counter error, continuity counter repeat, and transport error indicator error

### Applicable Standards

ISO/IEC 13818-1 Systems Layer

### Monitors Traffic with Filtering

- ◆ Displays or captures only traffic of interest with programmable filters
- ◆ Filters on the VP/VC connection, as well as any bit string pattern in the transport stream packet



Select the PID to measure, select the min/max ranges, set triggers, log statistics.

### Broadband Series Test System Configuration

The Broadband Series Test System (BSTS) is a sophisticated UNIX-based high-speed ATM/B-ISDN test platform. Used for product development, quality assurance, network operation, type approval and conformance testing, the BSTS can perform comprehensive testing of all ATM protocol layers. Multiple protocols can be simultaneously tested on multiple ports by configuring a test system with line interfaces, processors, load generators and test software to suit your specific needs.

The HP E6271A MPEGscope ATM Test Application is used in conjunction with the E4209 Cell Protocol Processor modules. Additional capabilities are supported when it is used with the V/743 controller (for video decoding), E4212A AAL Test Software (for testing at the AAL), and the E4219A ATM Network Impairment Emulator module (for emulating ATM impairments and testing their effects on MPEG-2 quality-of-service).

### Ordering Information & Accessories

E6271A	<i>MPEGscope ATM Test Application</i>
E4209A/B	<i>Cell Protocol Processor</i>
E4200B	<i>Form-7 Chassis</i>
E4210B	<i>Form-13 Chassis</i>
E4212A	<i>AAL Test Software</i>
E4219A	<i>ATM Network Impairment Emulator</i>



### For More Information

To find the location of your local HP sales office, please contact the nearest regional sales headquarters listed below.

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