

SPIRENT TESTCENTER

BPK-1029A ENHANCED CAPTURE AND DECODE BASE PACKAGE A

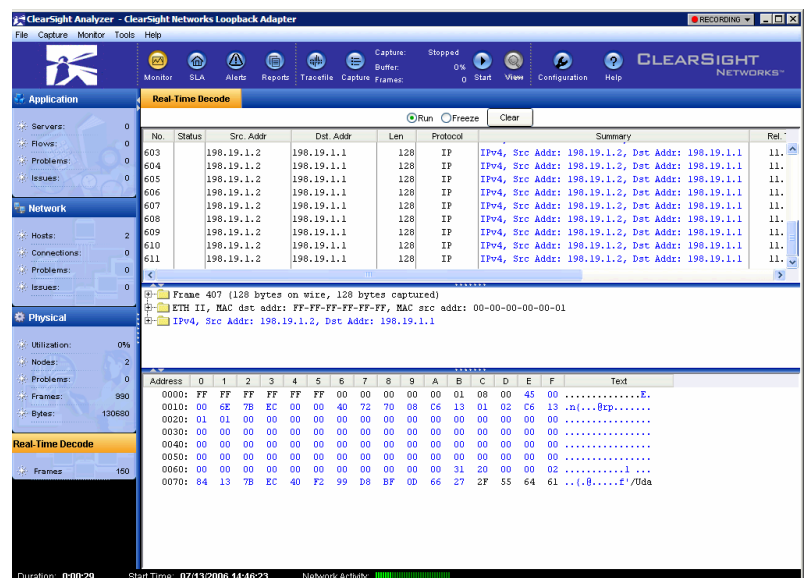
Testers spend a large percentage of their time analyzing the small percentage of test cases that fail. Spirent TestCenter™’s Enhanced Capture and Decode Base Package accelerates time-to-market and lowers product and service development costs by enhancing the tester’s ability to quickly isolate, analyze, troubleshoot and fix software and hardware issues.

APPLICATIONS

- Troubleshoot routing, switching and access issues by capturing and analyzing transmitted and received control plane packets
- Precisely characterize and solve timing issues using the full resolution of Spirent TestCenter’s time stamp—1,000 times more precise than what is displayed using the most popular decode programs
- Quickly analyze detailed test data using the information included in Spirent TestCenter’s signature field—stream number, sequence number, time stamp
- Troubleshoot routing issues using ladder diagrams of key protocols—BPG, OSPF, OSPFv2, RIP and RIPng
- Troubleshoot L2 preamble testing using Spirent TestCenter’s preamble capture and display capabilities
- Enhance the hardware filtering available on Spirent TestCenter with additional software filtering

BPK-1029A enhances the standard capture and decode capabilities of Spirent TestCenter by providing:

- ClearSight Analyzer software is enhanced to work with Spirent TestCenter’s advanced capture features
- Real-time decodes—frames are captured and decoded during the test itself at rates up to 100 frames/second
- The full resolution of Spirent TestCenter’s time stamp (10 nanoseconds) is displayed in the decode view
- Decoded Spirent TestCenter signature fields Ladder/bounce diagrams of BGP, OSPF, OSPFv2, RIP and RIPng
- Display of captured preamble for Ethernet frames



BENEFITS

- **Get to Market Faster**—Using BPK-1029A, testers can dramatically decrease the time required to find and fix product and service problems and thereby get to market faster
- **Improve Product/Service Quality**—BPK-1029A enables higher product and service quality by:
 - Enabling testers to isolate, analyze and eventually fix quality issues found in the testing process
 - Increasing the number of test cases that can be executed in a given amount of time
- **Lower Product Development and Service Deployment Costs**—A disproportionate amount of test time is spent troubleshooting failed test cases. This is a costly and labor-intensive process usually involving highly skilled engineers. BPK-1029A reduces the time spent isolating and fixing these failures thus significantly lowering the cost of testing a given product release or service deployment.

KEY FEATURES

- BPK-1029A includes a copy of the ClearSight Analyzer software enhanced to work with the advanced Spirent TestCenter capture features. ClearSight Analyzer is an advanced network monitoring and troubleshooting tool featuring
 - An award-winning intuitive interface providing excellent drill down for in-depth analysis
 - A complete Triple Play analysis solution
 - Advanced voice and video analysis features
 - IPTV analysis solution
 - Comprehensive and easy-to-use filtering functions

- BPK-1029A supports real-time decoding of test traffic
 - Users can capture and examine both Tx and Rx control plane traffic on a given port
 - Users can select up to 4 ports and create a view interleaving captured frames
 - The ClearSight software supports freezing and clearing the display
 - Decoded traffic is simultaneously stored on the PC for post-test analysis
 - Supported up to 100 frames per second
- Full resolution of the Spirent TestCenter Timestamp. Spirent TestCenter time stamp has 10ns resolution. This resolution can't be viewed using other decode packages
- Decoded Signature Fields. The Spirent TestCenter signature field includes critical test information that can't be viewed using other decode packages
- ClearSight software supports ladder/bounce diagrams for key routing protocols
 - Routing protocol exchanges between peers are shown in ladder/bounce format including frame number, peer addressing, message type, timing information and length
 - Provided in real-time
 - Can be exported to *.pdf
- Display of captured preamble for Ethernet frames

SUPPORTED MODULES

BPK-1029A supports all Spirent TestCenter test modules and personality cards.

REQUIREMENTS

- A SPT-2000A Spirent 2U Chassis and Controller, SPT-5000A Spirent 5U Chassis and Controller or SPT-9000A Spirent 9U Chassis and Controller
- Operating system languages supported: English, French, German, Italian, Japanese, Korean, and Chinese (traditional and simplified)

MINIMUM PC REQUIREMENTS

- Small Port System: 2-25 ports
 - 2.4GHz Pentium® 4 or equivalent
 - 512MB of free RAM
 - 10GB free disk space
- Medium Port System: 26-75 ports
 - 3GHz Pentium® 4 or equivalent
 - 2GB RAM
 - 15GB free disk space
- Large Port System: 75 ports and above
 - E6400 Core 2 Duo or equivalent
 - 3GB RAM
 - 100GB free disk space

RECOMMENDED PC REQUIREMENTS

- Small Port System: 2-25 ports
 - E6300 Core 2 Duo or equivalent
 - 2GB RAM
 - 10GB free disk space
- Medium Port System: 26-75 ports
 - E6400 Core 2 Duo or equivalent
 - 3GB RAM
 - 100GB free disk space
- Large Port System: 75 ports and above
 - E6600 Core 2 Duo or equivalent
 - 4GB RAM
 - 100GB free disk space (disk should be 2 SATA 300 disks in a RAID 0 configuration)

ORDERING INFORMATION

Spirent TestCenter Enhanced Capture and Decode Base Package A (P/N BPK-1029A)

SPIRENT GLOBAL SERVICES

Spirent Global Services provides a variety of professional services, support services and education services—all focused on helping customers meet their complex testing and service assurance requirements. For more information, visit the Global Services Web site at www.spirent.com/gs or contact your Spirent sales representative.

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