

Spectra2 MG™

from Inet Technologies, Inc.



Diagnostics

Inet Technologies provides diagnostic solutions for the continuing development and optimization of signaling and voice networks on a global scale. Inet's diagnostic tools accelerate network development, verify network capacity, establish network benchmarks, and improve time-to-market schedules. Optimize your network's reliability and stability, improve quality of service, maximize efficiency, and rigorously test interconnectivity issues. Expand your network into any world market; globalize development, realize new revenue opportunities, and increase market share.

Since Inet's inception in 1989, diagnostic products have been at the very core of the company. Today, Inet continues to push the envelope, providing next-generation diagnostic tools for emerging technologies such as MGCP trunk testing and SIP terminal emulation. No matter what protocols power tomorrow's IP networks, Inet has the answer.

Next-Gen Diagnostics

As carriers and developers are poised for entry into the next generation of telecommunications, they must prove emerging VoIP technologies and preserve legacy PSTN quality. Inet's Spectra2 MG Application Suite (Media Gateway) embodies the comprehensive diagnostics solution. Spectra2 MG provides robust test tools that confirm legacy and next-gen network interoperability and verify VoIP applications.

Ensure Today's Quality in Tomorrow's Networks

Spectra2 MG is a packaged software and hardware solution configured with a multiuser environment based on traditional client-server architecture. The intuitive Graphical User Interface (GUI) enables rapid configuration and operation. Standard and customized test scripts and traffic generation establish network benchmarks and confirm performance.

Measure QoS

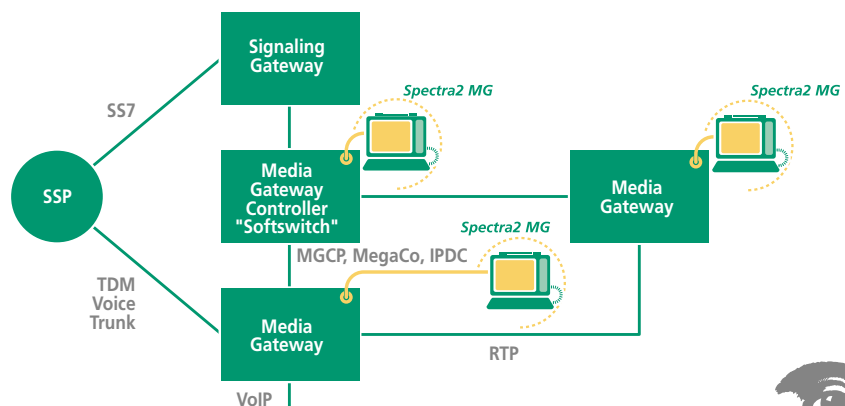
Carriers must ensure today's quality in tomorrow's networks. Spectra2 MG provides media quality testing and analysis with detailed performance-monitoring statistics. Spectra2 MG gives you the power to validate media paths traveling exclusively over IP as well as media paths traversing PSTN and IP networks. G.711, G.729A, and G.723.1 media-encoding schemes are fully supported by Spectra2 MG. Spectra2 MG provides tone and .WAV file injection and detection capabilities with RTP stream capture and manipulation. Comprehensive PSQM (P.861) and MOS tools provide quantitative measurements to validate VoIP quality.

Put the integrity of correlated VoIP signaling and media to the test with Spectra2 MG.

Accelerate Deployment

Shorten development cycles with comprehensive application testing and test suite automation. Spectra2 MG vigorously tests the protocols powering packet-switched networks through intuitive test-case management. Spectra2 MG speeds network evolution cycles with rapid configuration and execution of test scripts for protocols such as Megaco, SIP, H.323, and MGCP. Create user-defined text-based messages to address any application-testing requirement. Integrate custom messages, test scripts, statistics, data capture, and performance monitoring into a fully automated test suite for execution by time and date. From a H.323 terminal to a proxy server, Spectra2 MG tests emerging applications around the clock.

Continued on reverse side →



INTERCONNECT
MANAGEMENT

QUALITY OF
SERVICE

CUSTOMER
CARE

SPECIAL
STUDIES

NETWORK
SECURITY

DIAGNOSTICS

WE SIMPLIFY
NETWORKSSM



Confirm Capacity

Stress network signaling and media infrastructure from a single system with Spectra2 MG's Traffic Generator. Evaluate the capabilities of the networks under test with call-based performance statistics. Spectra2 MG loads next-generation signaling and media paths simultaneously with up to 1.8 million Busy Hour Call Attempts (BHCA). Customize network configurations with an array of next-generation network elements to simulate true network conditions such as delay, packet loss, and jitter. Detailed call-based statistics, including successful and failed call attempts, are available for exporting into database applications for itemized report creation.

Spectra2 MG Specifications

System Features

- Protocol Analysis and Monitoring
- Application Testing
- C-like Scripting Language and Ping Pong Scripting Interfaces
- Bulk Call Generation
- Call Trace
- Media Analysis (PSQM, MOS)
- Trunk Testing
- Node Simulation
- Terminal Simulation
- Pre-capture Tools
- Post-capture Tools

Media and Signaling Interfaces

- DS1, E1
- DS3
- 10/100 BaseT Ethernet

Protocols

- H.323
- SIP
- SIP-T
- Megaco/H.248
- MGCP

Media-Encoding Schemes

- G.711
- G.729A
- G.723.1

Statistics and Test Results

- Pre- and Post-capture Analysis
- RTP Performance Statistics
- Comprehensive Call-Based Performance Statistics
- QoS Statistics (PSQM per P.861, MOS)
- Distortion
- Packet Capture Delay
- Round-Trip Delay
- Jitter
- Packet Loss
- Latency

Other Features

- Remote Access
- Message Editor
- Intuitive User Interface
- High-Density Interface Support
- Multiuser Environment
- Online Help

Spectra2 MG System Unit Specifications

Choose from one of the Spectra2 MG units to meet your specific network diagnostic needs.



Portable

The portable Spectra2 MG unit is shipped with a built-in monitor and keyboard. Portable units are available with up to four signaling and media interfaces.



Rackmount

The rackmount unit is shipped with a separate VGA color monitor and keyboard. Rackmount units feature up to 16 signaling and media interfaces.

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