

Geminus[®] Family

Digital Video Monitoring, Analysis and Test & Measurement of Your Network

The Geminus[®] family platforms are the industry's first and most advanced 1Gb to 10Gb digital video monitoring, analysis, generation, and test tools. Based on state-of-the-art reconfigurable technology, the Geminus family offers scalability with true line rate, anywhere from 1Gb to 10Gb, Digital Video Quality and Service Assurance and Test and Measurement. The Geminus family hardware was designed with a rack mount style enclosure to ensure ease of installation and meet strict NEBS requirements. From network traffic generation to monitoring and analysis, the Geminus family provides capabilities that will maintain its exceptional value as your network requirements grow.

The Geminus family consists of the following platforms: Geminus G10 Max, Geminus G10 Mid, Geminus G10 Base, Geminus G2X Max, Geminus G2X Base, and Geminus G1-T. The Geminus G2X and Geminus G1-T platforms connect to 1Gb video networks and the Geminus G10 platforms connect to 10Gb video networks. The Geminus G10 Base monitors up to 3Gb of video flows, the Geminus G10 Mid monitors up to 5Gb of video flows and the Geminus G10 Max monitors up to 10Gb of video flows, each at cost effective price points.

All Geminus platforms offer true scalable video monitoring and analysis. The Geminus G10 Max and Geminus G1-T offer true line-rate network traffic generation (Stimulus).

APPLICATIONS

- Analysis and remote troubleshooting of advanced 10Gb or 1Gb Ethernet digital video networks
- Stress testing digital video networks
- Real-time video monitoring and fault isolation
- IP video network design and engineering



MONITORING & ANALYSIS

- Real-time monitoring and measurements of 2000 IP video flows
- MDI compliant (RFC4445)
- Analysis and deep packet inspection of IP and MPEG
- Monitoring and analysis to the transport stream PID level up to 256,000 PIDs
- Record and playback IP and MPEG video problems with a 200MB or 80MB Trigger/Capture buffer
- Supports MPEG2, MPEG4 Part 2, MPEG4 Part 10/H.264, H263, H261, DC II, VC1 and WinMedia 9
- Supports RVL™ (Remote Video Link) for live remote video content viewing
- TR 101 290 test standard support

TRAFFIC GENERATION

- Generate up to 20Gb of line-rate video network traffic
- Live IP flow replication and Playback of transport stream files and protocol capture with timestamp
- IP and MPEG transport impairment capabilities: cumulative jitter, loss, PID and packet drop, PCR jitter modification, duplicate IP packets, and out of sequence IP packets
- Tcl scripting support
- USB port for generating traffic with large files
- Available only on the Geminus G10 Max and the Geminus G1-T

GEMINUS FAMILY OF PRODUCTS



GEMINUS G10

System for 10 Gigabit Digital Video Networks



GEMINUS G2X

Advanced Quality Monitoring, Analysis, and Test System for 1 Gigabit Digital Video Networks



GEMINUS G1-T

Advanced Quality Monitoring, Analysis, and Test System for Digital Video Networks



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