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Data Sheet

August 1, 2026

INEOQUEST

IneoQuest Singulus G10 Digital Video IPTV Tester

The IneoQuest Singulus G10 is a digital video IPTV tester for testing and monitoring the quality of IPTV services. It provides comprehensive analysis of video streams, including decoding, quality measurement, and troubleshooting capabilities. Designed for network operators and service providers, the Singulus G10 ensures optimal video delivery and a superior viewing experience for end-users.



MODEL

**IneoQuest
Singulus G10**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

Singulus G10

LISTING

<https://aumictechlabs.com/products/singulus-g10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The IneoQuest Singulus G10 is a hardware platform engineered for monitoring, analysis, generation, and testing of digital video IPTV networks operating at 10 Gigabit Ethernet speeds. This reconfigurable device switches between advanced development and troubleshooting modes or remote video monitoring via web interface. It delivers simultaneous analysis of multiple live IP video flows with deep packet inspection, generates up to 10 Gb of network traffic, and captures transport stream problems for laboratory investigation. Technical Specifications Network Interface 10 Gigabit fiber Ethernet port with XFP interfaces supporting 850 nm, 1310 nm, and 1550 nm optics Remote management via 10/100 Ethernet connection Local management via mini USB 2.0 Monitoring & Analysis Simultaneous monitoring of multiple live IP video flows (SPTS, MPTS) Transport stream PID-level analysis down to 64,000 PIDs Deep packet inspection of IP and MPEG

streams 200 MB Trigger/Capture buffer for recording and playback of video problems MDI (RFC 4445) support TR 101 290 test standard compliance Traffic Generation Up to 10 Gb network traffic generation capacity Captured file playback up to 2 GB Replication of thousands of IP flows Live IP flow replication via dedicated 10/100 Mb port Transport Stream File, Protocol Capture with timestamp playback IP and MPEG transport impairment simulation: cumulative jitter, loss, PID drop, packet drop, PCR jitter modification, duplicate packets, out-of-sequence packets Video Processing Video codec support: MPEG2, MPEG4 Part 2, MPEG4 Part 10/H.264, H263, H261, DC II, VC1, WinMedia 9 Unicast, Broadcast, and Multicast IP flow support IGMP Joins/Leaves monitoring and measurementsKey Features Reconfigurable hardware enabling scalable feature deployment Headend flow and program simulation HTML interface configuration Tcl scripting language support for both analysis and stimulus modesSoftware Support Analysis Mode: iVMS® Video Management System, IQMediaAnalyzer Pro®, IQDVx®, HTML interface, Tcl scripting Stimulus Mode: IQMediaStimulus®, Tcl scripting, HTML interfaceTypical Applications IP video network development, real-time troubleshooting, headend simulation, transport stream analysis, and multicast network validation.

Features & description

From manufacturer datasheet

Features

- Reconfigurable 10 GbE video test / monitoring platform
- 10 Gigabit fiber Ethernet network port with XFP optics (850 nm, 1310 nm, 1550 nm supported)
- Modes: monitoring/analysis (MediaAnalyzer) and traffic generation (Stimulus); IQController-class troubleshooting configurations also described in regional literature
- Real-time monitoring of thousands of IP video flows
- Deep packet inspection of IP and MPEG; analysis to transport-stream PID level (over 64,000 PIDs)
- MDI (RFC 4445) and TR 101 290 support
- Codecs: MPEG-2, MPEG-4 Part 2, MPEG-4 Part 10 / H.264, H.263, H.261, DCII, VC-1, Windows Media 9
- Unicast, broadcast, and multicast; IGMP join/leave monitoring
- Trigger/capture buffer up to about 200 MB of live video (analysis mode)
- Stimulus: generate up to about 10 Gb of video/voice/data traffic; live flow replication via dedicated 10/100 Mb port; TS file and timestamped protocol capture playback
- Impairments: cumulative jitter, loss, PID drop, packet drop, PCR jitter modification, duplicate and out-of-sequence IP packets
- Management: HTML interface; remote 10/100 Ethernet; local mini USB 2.0; SNMP, SNTP, Syslog, Telnet, VLAN
- Tcl scripting for automation

SINGULUSG10 Characteristics / Specifications

PARAMETER	VALUE
Model	Singulus G10
Manufacturer	IneoQuest Technologies
Instrument Type	10 Gigabit Ethernet digital video / IPTV analyzer and traffic generator
Network Interface	10 Gigabit fiber Ethernet (XFP); wavelengths 850 / 1310 / 1550 nm class optics
Management Ports	10/100 Ethernet remote; mini USB 2.0 local; RVL 10/100 Mb port for live flow replication in stimulus mode
Capture Buffer (Analysis)	up to approximately 200 MB
Traffic Generation	up to approximately 10 Gb class network traffic (video, voice, or data)
Operating Modes	IQMediaAnalyzer; IQMediaStimulus; advanced troubleshooting / controller configurations
Control Software	HTML; IQMediaAnalyzer Pro; IQMediaStimulus; iVMS; IQDVx; Tcl Standard Operating Conditions Use clean XFP modules matched to the fiber plant. Switch modes from the web interface after confirming software licenses for analyzer vs stimulus features.
Modes	monitoring/analysis (MediaAnalyzer) and traffic generation (Stimulus); IQController-class troubleshooting configurations also described in regional literature
Codecs	MPEG-2, MPEG-4 Part 2, MPEG-4 Part 10 / H.264, H.263, H.261, DCII, VC-1, Windows Media 9
Stimulus	generate up to about 10 Gb of video/voice/data traffic; live flow replication via dedicated 10/100 Mb port; TS file and timestamped protocol capture playback
Impairments	cumulative jitter, loss, PID drop, packet drop, PCR jitter modification, duplicate and out-of-sequence IP packets
Management	HTML interface; remote 10/100 Ethernet; local mini USB 2.0; SNMP, Sntp, Syslog, Telnet, VLAN

SINGULUSG10 Specifications

PARAMETER	VALUE
IneoQuest Singulus G10 Digital Video IPTV Tester	Overview
Key Features	- Reconfigurable 10 GbE video test / monitoring platform
Technical Specifications	Model: Singulus G10

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Standard Operating Conditions	
Use clean XFP modules matched to the fiber plant. Switch modes from the web interface after confirming software licenses for analyzer vs stimulus features.	
Operational Notes	
Stimulus and full analysis feature sets depend on installed software and licenses. Confirm XFP wavelength and reach before connecting to production video networks.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.