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Data Sheet

August 3, 2026

LECROY

LeCroy 980 12G-SDI Video Generator

LeCroy quantumdata 980 12G-SDI Video Generator The Teledyne LeCroy quantumdata 980 12G-SDI Video Generator / Analyzer is a 980 Series module for functional testing of broadcast SDI monitors, conversion devices, and sources through 12G-SDI. The module provides four 12G-SDI-capable output ports (aggregatable for Dual-link HD-SDI and Quad-link 3G-SDI), four SDI input ports with the same aggregation modes, androgenlock input for house sync (or internal clock operation). Functional video/audio test of next-generation SDI sinks and sources; Dual-link HD-SDI and Quad-link 3G-SDI validation; genlocked plant testing with bi-level black-burst (SD) or tri-level (HD) reference. The Teledyne LeCroy quantumdata 980 12G-SDI Video Generator / Analyzer is a 980 Series module for functional testing of broadcast SDI monitors, conversion devices, and sources through 12G-SDI. The module provides four 12G-SDI-capable output ports (aggregatable for Dual-link HD-SDI and Quad-link 3G-SDI), four SDI input ports with the same aggregation modes, androgenlock input for house sync (or internal clock operation). Functional video/audio test of next-generation SDI sinks and sources; Dual-link HD-SDI and Quad-link 3G-SDI validation; genlocked plant testing with bi-level black-burst (SD) or tri-level (HD) reference.



MODEL

Lecroy 980

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

980

LISTING

<https://aumictechlabs.com/products/980-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Teledyne LeCroy 980 12G-SDI Video Generator is a modular signal generation instrument for testing video equipment and systems across the SDI standard family. It produces high-quality video signals from SD through 12G-SDI formats, supporting frame rates to 120Hz, with four independent 12G-SDI-capable output ports that can be aggregated for dual-link or quad-link operation. The module integrates into the 980B or 980R Advanced Test Platforms, enabling comprehensive validation in broadcast, production, and R&D environments where precise signal generation and standards compliance are required.

Technical Specifications

Video Generation

SDI Standards: SMPTE 295M, 292M, 372M, 424M, ST-2081, ST-2082

Data Rates: SD, HD-SDI, 3G-SDI, 6G-SDI, and 12G-SDI

Output Ports: Four (4) 12G-SDI ports with single-link, dual-link, or quad-link aggregation

Frame Rates: Up to 120Hz at 12G-SDI

Color Depth: 10-bit, 12-bit

Color Space: RGB, YCbCr

Sampling: 4:4:4, 4:2:2, 4:2:2:4, 4:4:4:4

Test Patterns: Extensive standard timings library with per-port pattern selection and motion simulation via panning

Payload ID Editor: Enables disruptive testing through invalid PID attribute selection

Audio Generation

Format: LPCM (Linear Pulse Code Modulation)

Channels: 2-channel to 16-channel or 32-channel configurations

Sine Wave Generator: Programmable amplitude, frequency, sampling rate, and bit depth

SPDIF Output: Available for external audio monitoring

Synchronization

Genlock Input: Supports external analog SD black burst and HD tri-level sync reference alignment

Analysis Capabilities (Optional)

Input Ports: Four (4) 12G-capable input ports

Real-time Monitoring: Video and metadata viewing with ancillary data stream inspection

Audio Analysis: Format detection, channel status monitoring, and per-channel volume measurement

Key Features

Modular architecture accommodates multi-module test configurations

Independent test pattern control across all four output ports

Support for both 10-bit and 12-bit color depths

Flexible link aggregation for diverse SDI topologies

Typical Applications

Broadcast equipment validation, production system testing, standards compliance verification, SDI pathway analysis, and audio-video signal integrity assessment.

Compatibility & Integration

Designed as a plug-in module for the Teledyne LeCroy 980B and 980R Advanced Test Platforms, enabling integration with complementary test modules for multi-domain signal generation and analysis.

Features & description

From manufacturer datasheet

Features

- Rates: SD, HD-SDI, 3G-SDI, 6G-SDI, and 12G-SDI; Dual-link HD-SDI; Quad-link 3G-SDI • Four 12G-SDI-capable output ports; aggregatable for Dual-link HD / Quad-link 3G • Four SDI input ports; aggregatable similarly (single-link uses port 1) • Genlock: bi-level black-burst (SD) or tri-level (HD); fallback to internal clock / no reference • View incoming video, video metadata, and ancillary data in real time (analyzer functions per module revision) • Hosted in quantumdata 980 Series Advanced Test Platform chassis (module-based)

980 Characteristics / Specifications

PARAMETER	VALUE
Model	980 12G-SDI Video Generator / Analyzer Module
Manufacturer	Teledyne LeCroy quantumdata (Quantum Data)
Instrument Type	SDI Video Generator / Analyzer Module
Alias	LeCroy 980; quantumdata 980; 980 12G-SDI; 98012GSDI Video Interfaces
Output Ports	4 × 12G-SDI-capable
Input Ports	4 × SDI (12G-capable on analyzer-equipped configurations)
Aggregation	Dual-link HD-SDI; Quad-link 3G-SDI
Supported Rates	SD; HD-SDI; 3G-SDI; 6G-SDI; 12G-SDI Synchronization
Genlock Input	SD analog black-burst (bi-level) or HD tri-level
Clock Source	House sync via genlock, or internal clock Environmental / Power (module / platform listings)
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C) as listed for the module platform
AC Voltage (platform)	90 V to 264 V (typical 980 platform listing) Operational Notes Confirm whether the installed configuration is generator-only or generator/analyzer (firmware/module revision). The 980 Series is modular—do not confuse the 12G-SDI module with HDMI/DisplayPort/HDBaseT 980 modules. Prefer Teledyne LeCroy quantumdata 980 Series documentation for connector pinouts and exact format lists.
Rates	SD, HD-SDI, 3G-SDI, 6G-SDI, and 12G-SDI; Dual-link HD-SDI; Quad-link 3G-SDI
Genlock	bi-level black-burst (SD) or tri-level (HD); fallback to internal clock / no reference

980 Specifications

PARAMETER	VALUE
Key Features	- Rates: SD, HD-SDI, 3G-SDI, 6G-SDI, and 12G-SDI; Dual-link HD-SDI; Quad-link 3G-SDI
Technical Specifications	Model: 980 12G-SDI Video Generator / Analyzer Module
Video Interfaces	Output Ports: 4 × 12G-SDI-capable
Environmental / Power (module / platform listings)	Operating Temperature: 32 °F to 104 °F (0 °C to 40 °C) as listed for the module platform

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	32 °F to 104 °F (0 °C to 40 °C) as listed for the module platform
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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

Specifications

PARAMETER	VALUE
Model	980 12G-SDI Video Generator / Analyzer Module
Manufacturer	Teledyne LeCroy quantumdata (Quantum Data)
Instrument Type	SDI Video Generator / Analyzer Module
Alias	LeCroy 980; quantumdata 980; 980 12G-SDI; 98012GSDI

Video Interfaces

Specifications

PARAMETER	VALUE
Output Ports	4 × 12G-SDI-capable
Input Ports	4 × SDI (12G-capable on analyzer-equipped configurations)
Aggregation	Dual-link HD-SDI; Quad-link 3G-SDI

Single-Link Operation: Port 1 only (input or output)

Supported Rates: SD; HD-SDI; 3G-SDI; 6G-SDI; 12G-SDI

Synchronization

Genlock Input: SD analog black-burst (bi-level) or HD tri-level

Clock Source: House sync via genlock, or internal clock

Environmental / Power (module / platform listings)

Operating Temperature: 32 °F to 104 °F (0 °C to 40 °C) as listed for the module platform

AC Voltage (platform): 90 V to 264 V (typical 980 platform listing)

Operational Notes

Confirm whether the installed configuration is generator-only or generator/analyzer (firmware/module revision). The 980 Series is modular-do not confuse the 12G-SDI module with HDMI/DisplayPort/HDBaseT 980 modules. Prefer Teledyne LeCroy quantumdata 980 Series documentation for connector pinouts and exact format lists.

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.