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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde & Schwarz DVRG DTV Recorder Generator

Trigger Recording: external trigger with pre/post time sections Option DVRG B2: additional hard disk 2083.1919.02 Option DVRG B4: SDI record and play 2083.1948.02 Option DVRG B6: SMPTE 310M interface 2083.1954.02 Option DVRG B2: additional hard disk 2083.1919.02 Option DVRG B4: SDI record and play 2083.1948.02 Option DVRG B6: SMPTE 310M interface 2083.1954.02 Internal CFS Drive Letter: F (do not assign in Disk Administrator)



MODEL

Rohde & Schwarz DVRG

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DVRG

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz DVRG DTV Recorder Generator is a PC-based platform for generation, recording, and playback of digital television signals across ATSC and DVB standards. Built on embedded Windows NT architecture, it supports transport stream analysis and generation via standard VGA connectivity and 100BaseT Ethernet for remote control and file transfer. The instrument delivers high-fidelity signal processing for DTV receiver and broadcast equipment development and validation. Technical Specifications Recording Capabilities MPEG-2 transport stream recording at data rates up to 214 Mbit/s SDI signal recording at 270 Mbit/s with transparent processing including ancillary data and embedded audio (optional) SDTI signal recording with optional DVRG-B4 module Transport stream recording with simultaneous 8-bit interface-specific data via SPI feature Continuous buffering with external trigger-based capture for error analysis Trigger-based recording captures time sections before and after the trigger event Transparent

recording of non-DTV-compliant signals via dedicated interfaces Signal Generation Pre-configured MPEG-2 transport streams for ATSC and DVB standards Elementary streams with video, audio, and supplemental data (teletext, PRBS) Multiple video formats at varying data rates and frequencies Standard test patterns: color bars, zone plate, CCIR17/18/331, ITS1 to ITS4, Rohde & Schwarz codec test pattern Optional HDTV signal support and special test signals (DVR-HDTV, DV-TCM options) Playback Capabilities MPEG-2 transport stream replay with TRP/TS file support Uncompressed SDI format replay at 270 Mbit/s (optional DVRG-B2 and -B4) Loop playback from RAM for continuous operation PCR jitter injection up to ± 10 ms with selectable frequency and waveform for decoder and multiplexer stress testing Variable replay data rate across wide operating rangeKey Features Universal digital video stream processing platform PC-based architecture with Windows NT embedded operating system 100BaseT Ethernet interface for remote operation External trigger control for event-based recording Modular option support for expanded capabilityTypical Applications Set-Top Box and decoder validation Transport stream generation and analysis D/A converter testing Multiplexer stress and error analysis DTV receiver development and troubleshootingCompatibility & Integration Standard connectivity includes VGA monitor, keyboard, and mouse interfaces for direct control. Network integration via 100BaseT Ethernet enables remote operation and transport stream file transfer.

Features & description

From manufacturer datasheet

Features

- ASI active loop-through and SPI/LVDS TS I/O • Packet lengths 188/204 (DVB) or 188/208 (ATSC) • DVRG Commander plus workstation mode with VGA/keyboard/mouse • Options: B2 extra HDD, B4 SDI, B5 CD-R/DVD-ROM, B6 SMPTE 310M • TS_Copy utility (firmware 1.11+) for CFS import/export

Applications

- Endless or disk-limited MPEG-2 TS playout • Triggered recording of DVB/ATSC transport streams • Optional SDI record/play at 270 Mbit/s • Production and QA capture of EUT streams • Networked file transfer via 100BaseT Ethernet

DVRG Characteristics / Specifications

PARAMETER	VALUE
Model	DVRG
Manufacturer	Rohde & Schwarz
Instrument Type	DTV recorder generator (MPEG-2 TS / optional SDI)
Alias	DVRG; R&S DVRG; DTV Recorder Generator
Order Number	2083.1302.02
Transport Stream Standard	ISO/IEC 13818-1
Packet Length DVB	188/204 byte selectable
Packet Length ATSC	188/208 byte selectable
Sequence Length	endless or limited by hard disk
Signal Library	about 80 transport-stream sequences
Data Memory	18 Gbyte or 2 × 18 Gbyte
Operating System	Microsoft Windows NT Embedded
Remote Interfaces	Ethernet 100BaseT, RS-232-C
ASI Input	DVB TS ASI, active loop-through
SPI Output	DVB TS SPI/LVDS
SDI Option Rate	270 Mbit/s uncompressed
SDI Option Standard	ITU-R BT.601 / SMPTE 259E
Form Factor	2 HU 19 inch
Trigger Recording	external trigger with pre/post time sections
File Types TS	TRP, T10 in CFS
File Types SDI	SDI, S10 in CFS
Internal CFS Drive Letter	F (do not assign in Disk Administrator)
Related Generator	DVG MPEG-2 measurement generator
Related Decoder	DVMD / DVRM realtime monitor
Related Quality Analyzer	DVQ Notes Specs from R&S DVRG DTV Recorder Generator literature (News 167) and application notes 7BM37/7BM38. Confirm B4 SDI, B6

PARAMETER

VALUE

SMPTE 310, and disk size. This is DVRG, not DVG (playout-only measurement generator).

Options

B2 extra HDD, B4 SDI, B5 CD-R/DVD-ROM, B6 SMPTE 310M

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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Trigger Recording	external trigger with pre/post time sections
Option DVRG B2: additional hard disk 2083.1919.02	
Option DVRG B4: SDI record and play 2083.1948.02	
Option DVRG B5: CD-R R/W (DVD read)	
Option DVRG B6: SMPTE 310M interface 2083.1954.02	
Specifications	
PARAMETER	VALUE
File Types TS	TRP, T10 in CFS
File Types SDI	SDI, S10 in CFS

PARAMETER	VALUE
Internal CFS Drive Letter	F (do not assign in Disk Administrator)
Related Generator	DVG MPEG-2 measurement generator
Related Decoder	DVMD / DVRM realtime monitor
Related Quality Analyzer	DVQ

Notes

Specs from R&S DVRG DTV Recorder Generator literature (News 167) and application notes 7BM37/7BM38. Confirm B4 SDI, B6 SMPTE 310, and disk size. This is DVRG, not DVG (playout-only measurement generator).

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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NIST-traceable calibration · SAM registered ·
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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.