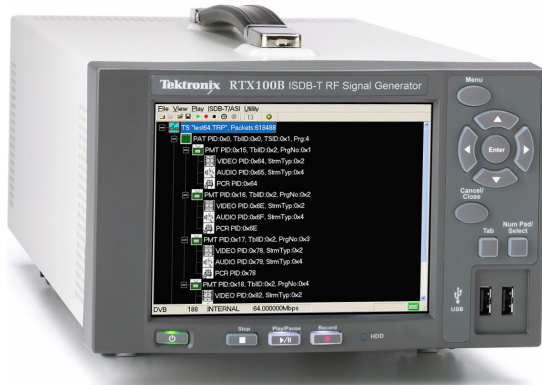


RTX100B ISDB-T & ISDB-TB RF Signal Generator Fact Sheet

The only solution available for testing hybrid RF/IP Set Top Boxes



Features

Benefits

Integrated modulator, up converter and MPEG Generator in a single instrument	Interfaces directly to a STB - saves complexity, reduces capital cost and logistical overhead of multi box solutions
Common user interface across multiple interface types	Improves time to market for new products through user experience consistency and convenience
Continuous looping with timing information and continuity updates	Provides reliable seamless playout of stored test streams at the TS layer to ensure robust design quality of products
Stress test capabilities	Ensure designs are reliable on real world networks by simulating varying QoS scenarios
Support for key emerging IPTV standards	Future proofs investment
Comprehensive suite of test streams included and optional multiplexer application available	Speeds design validation by providing a complete stream creation and generation toolkit
Compact portable solution	Engineers can easily take to transmission site and quickly evaluate network and consumer equipment

ISDB-T / ISDB-TB Headend in a Box



Complete solution for ISDB-T signal generation

Featuring:

- Multiple interface types
- Support for both ISDB-T (Japan ARIB B31) and ISDB-TB (Brazil SBTVD N01)
- One Seg and 13 Seg broadcast modes
- Ext. ref. clock input to synchronize modulator output
- >300 test streams including MPEG2, H.264, HD, SD and audio content
- Remote control via ethernet, with Standard Command for Programmable Instruments (SCPI) command set
- Color hierarchical display of TS components
- Scheduler application and real time / deferred time MPEG analysis options available
- IP Video multi-session traffic generation to 300Mbps with protocol support for IPv4, IPv6, RTP, UDP, Unicast, IGMP Multicast, broadcast and TTS

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Key specifications and ordering information

Key Software Tools for use with RTX100B
ISDB-T/ISDB-TB Re-multiplexer (MTXS01) Supports ISDB-T and ISDB-TB standard streams
Offline Multiplexer & SI Table Editor Application (Opt. MX) Create new transport streams (TS), de-multiplex and modify existing TSs Supports MPEG, DVB, ATSC and ISDB-T and ISDB-TB Single Segment

Service Option Description
C3 Calibration Service 3 Years
C5 Calibration Service 5 Years
R3 Repair Service 3 Years
R5 Repair Service 5 Years



Software Generation & Analysis Applications	
SC	Scheduler
MX	Multiplexer (including H.264 support)
TSCA	Off line TS file analysis
BA	Buffer Analysis
PA	PES Analysis
ES	Elementary Stream Analysis
DB	Data Broadcast Carousel Analyzer
CG	Data Broadcast Carousel Generator
DB CG	Data Broadcast Carousel Analyzer & Generator
Complementary Products	
VC	Vclips H.264 sample elementary streams
MTXS01	Software Re-multiplexer

Key Applications	Benefits
IRD/STB design and manufacturing Test	Enables equipment providers to more easily test solutions with stress test capabilities and multi session replication for IP video products
Evaluation of professional MPEG equipment	Ensure designs are reliable and robust on real world networks by testing with parametric errors introduced via test stream and multiplexer software with expert mode
Scheduling of stream playout and recording for broadcast test	Prove quality of network service levels by reliably and continuously looping stored streams
Transmission system installation, commissioning and debug	Portable in-field tool with repeatable and reliable test stream generation facilitates rapid completion of network projects