



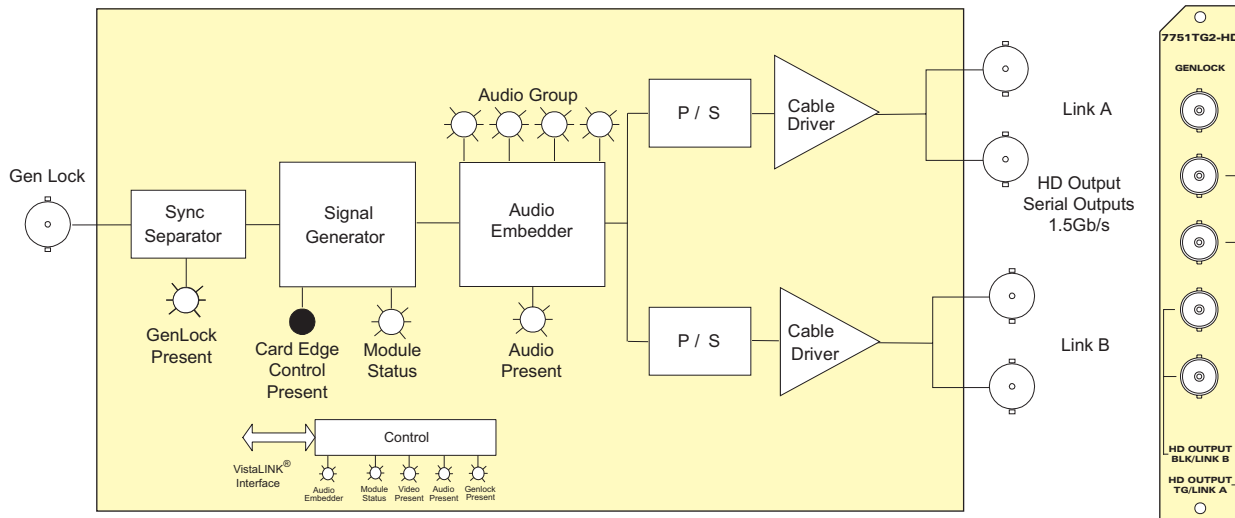
The 7751TG2-HD Test Signal Generator provides a cost-effective method of generating 1.5Gb/s HDTV 4:2:2 and 4:4:4 test signals. The 7751TG2-HD is ideal for checking signal path integrity, or to determine system performance over varying cable lengths. The 7751TG2-HD generates test signals in a wide variety of SMPTE 292M video formats. In single link mode, the 7751TG2-HD outputs a 4:2:2 black signal on two outputs and the selected 4:2:2 test signal on the remaining two outputs. In dual link mode, the 7751TG2-HD outputs a 4:4:4 test signal on two dual-link 4:4:4 outputs. The 7751TG2-HD provides an analog genlock input that allows you to synchronize the test signals to your plant horizontal and vertical timing.

Separate audio tones can be embedded into each channel of the four embedded audio groups. The user can select which of the audio groups the tones will be embedded into. In dual link mode, the selected audio groups will be embedded into each link. The Audio level is fixed at -20dB full scale.

VistaLINK® offers remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP) giving the flexibility to manage operations, including signal monitoring and module configuration from SNMP-capable control systems (Manager or NMS).

►Features & Benefits

- Wide variety of 1080i, 1035i, 1080p, 480p and 720p output formats
- 8 position DIP switch selects output format, single or dual link and genlock reference
- Card edge toggle switch selects test signal
- Selectable gen lock input format - bi-level or tri-level sync, color black
- Embedded audio tones for 4 groups selectable audio group assignment
- Closed caption test messages
- 2 black outputs, 2 test gen. outputs in 4:2:2, 2 dual link test gen outputs in 4:4:4
- On-screen display of test signal names
- On-screen setup menu
- Tally output upon loss of gen lock
- Card edge LEDs indicate gen lock presence, module fault and audio signal presence on the output
- SMPTE 334M - EIA 708 advanced captioning test packet
- VistaLINK® capable for remote monitoring, control and configuration capabilities via SNMP; using VistaLINK® PRO, CP-2116E or CP-2232E Control Panels, VistaLINK® is available when modules are used with the 3RU 7800FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame



►Specifications

<p>Gen Lock Input: Type: Menu selectable - depends on output video format HD Tri-level Sync NTSC or PAL Color Black 1V p-p Composite Bi-level sync (525i or 625i) 300 mV</p> <p>Connector: BNC per IEC 61169-8 Annex A Termination: 75Ω (jumper selectable)</p> <p>HD Serial Video Outputs: Standard: SMPTE 292M, 4:2:2 YCBCR (single link) SMPTE 372M, 4:4:4 YCBCR or 4:4:4 GBRA (dual link)</p> <p>Number of Outputs: Single Link Mode: 2 outputs of Black video 2 outputs of selected test signal Dual Link Mode: 2 dual link outputs of selected test signal</p>	<p>Embedded Audio: Up to 4 groups in one audio group as specified in SMPTE 299M. Selectable tone frequencies (from 60Hz to 10kHz) and audio group. Audio can be embedded on either or both links. Audio Level is set to -20dB Full Scale.</p> <p>Source ID: User-programmable on-screen 15 character source ID message - selectable position. On-screen message can be displayed on either or both links</p> <p>Connectors: 4 BNC per IEC 61169-8 Annex A Signal Level: 800mV nominal V Phasing: Infinite lines H Phasing: Infinite samples DC Offset: 0V ±0.5V Rise & Fall Time: 200ps nominal Overshoot: <10% of amplitude Wide Band Jitter: < 0.2 UI</p>	<p>Electrical: Voltage: +12V DC Power: 6W EMI/RFI: Complies with FCC Part 15, Class A EU EMC Directive</p> <p>Physical (number of slots): 350FR: 1 7700FR-C: 1 7800FR: 1</p> <p>Stand Alone Enclosure: Dimensions: 14"L x 4.5"W x 1.9"H (355 mm L x 114 mm W x 48 mm H) Weight: approx. 1.5lbs (0.7kg)</p>
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►Ordering Information

7751TG2-HD Dual HD-SDI Test Signal Generator with embedded audio

Ordering Options Rear Plate and Fiber Connector must be specified at time of order
Eg. Model +3RU +SC

Rear Plate Suffix
+3RU 3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU 1RU Rear Plate for use with 7701FR Multiframe
+SA Standalone Enclosure Rear Plate

Accessories
7700FC VistaLINK® Frame Controller
CP-2116E-H Remote Control Panel
CP-2232E Remote Control Panel

Enclosures
350FR 3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C 3RU Multiframe which holds up to 15 single slot modules
7800FR 3RU Multiframe which holds up to 15 single slot modules
7801FR 1RU Multiframe which holds up to 4 single or 2 dual slot modules
7701FR 1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR Standalone enclosure