

TSG-1™ Test Sequence Generator

Video Test Pattern Player



The generation of pure test sequences is vital to evaluating digital video workflow. To achieve this result, users require an uncompressed video clip player to discern various digital video artifacts. Sarnoff offers one simple solution for complex video sequence generation. The TSG-1™ is an uncompressed video playback device capable of outputting video test sequences in their pure form. It enables accurate testing of your digital video workflow, and is a cost-effective alternative to other uncompressed playback solutions on the market.

Features

- RAM-based playback of uncompressed 10-bit video
- Supports multiple formats and frame rates
- Easy-to-use GUI for selection of test patterns
- May be pre-loaded with licensed Sarnoff test patterns
- Accepts user-generated content
- SD/HD-SDI Output via HDMI/SDI/HD-SDI/Single Link 3G/Dual Link SDI outputs
- 2-channel 24-bit AES Audio (one pair)
- 8-channel embedded audio (SD)
- 16-channel embedded audio (HD)
- Genlock input

Pure, Uncompressed Test Sequence Generation for Definitive Workflow Evaluation

Applications

- Content Creation/Acquisition
- Post Production
- Transmission
- Distribution
- Presentation
- Remotes
- Backhauls
- ENG/Sports Trucks





Formats Supported

- **2K**
2048 x 1556 at 24 fps and 23.98 fps
- **HD**
1080PsF23.98/24
1080i48
1080i50
1080i59.94
720p59.94
720p60
720p50
- **SD**
625/25 PAL, 525/29.97 NTSC and
525/23.98 NTSC
- **Sampling**
4:2:2 YUV and 4:4:4 RGB
- **Bit Depth**
10-bits

PC Specifications

- 1U rack-mounted
 - Dimensions:
1.75 in (H) x 17 in (W) x 13 in (D)
 - 270 Watt auto-switching
ATX power supply
 - (2) Front panel mounted
USB 2.0 ports
 - (2) Rear panel mounted
USB 2.0 ports
 - (2) 1000-Base-T ethernet ports
 - (1) RS232 serial port
 - (1) On-board Matrox G200E VGA
graphics with 16 mb

- Processor:
Intel x3430 quad-core 2.4 GHz Xeon
- RAM: 4 gb standard,
up to 32 gb optional
- HDD: 250 gb SATA 2.5"
- Microsoft Windows 7 Professional
x64 OS license
- PS/2 optical mouse with scroll wheel
- USB 104-key keyboard
- Video card:
 - Black Magic Design Decklink HD
Extreme 3D + board
 - (2) SDI/HD-SDI/3G-SDI in
 - (2) SDI/HD-SDI/3G-SDI out
 - (1) HDMI in
 - (1) HDMI out
 - Breakout cable: analog I/O, AES
audio I/O, RS-422 control
- Optionally available:
 - Slide mount and extension kit
 - Upgraded memory—up to 32 gb

Contact Us

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