

THE SEVEN GENERATOR

AN APPROVED TEST DEVICE FOR DOLBY AUDIO™

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

MURIDEO

ImagingScience®
FOUNDATION, INC.



The SEVEN Generator is the next generation in HDMI test and measurement equipment from Murideo. An approved Test Device for Dolby Audio™, the SEVEN hosts an unmatched suite of audio and video tests. This device is the GO-TO tool for the video device, display, or repeater manufacturer as well as the consummate video professional.

GENERAL FEATURES

- Complete HDMI 2.0 Support (All Revisions)
- 600 Mcsc - 2160P @ 60 4:4:4 Maximum Resolution
- 4K BT2020 (WCG) 10/12 Bit Support (Native)
- Dolby Vision, HDR 10, HLG, SDR
- HDCP 2.3 Support
- HDMI 2.1 Features
- eARC Tx
- 1080P 120Hz Patterns and video playback
- HDMI 2.1 Upgrade Option (Future)
- Full FRL Support
- Full 48Gbps Video Playback
- ISF Labs Certified
- DPL Labs Certified
- Control
- Haptic Front Keypad & 1080P Screen
- PC Control Software
- Web Interface (Hosted on device)
- API (Application Programming Interface) Available
- Reporting/Exporting
- Reference Source / Auto-Control for CalMAN (coming soon), Light Illusion (coming soon)
- Optimized 7" 1080P OLED display and simple menu system, paired with logical feedback
- Pattern Uploader
- USB 3.0 for fast uploads
- 1.5 TB of memory with plenty of memory for user uploads
- Reservation for up to 3 minutes of full 4K video
- Native YUV File upload and playback

The impressive video capabilities of the SEVEN include native 10/12 Bit BT2020 video output with over 1000 patterns, including HDR, SDR, Dolby Vision, and HLG. The SEVEN includes the full suite of patterns from Diversified Video Solutions and other patterns and videos from Bill Wetzel, ISF, PVA, Portrait Displays, and Spears & Munsil.

VIDEO TESTS

- HDMI Video Generator
- Full 10/12 Bit BT2020, Wide Color Gamut Generator
- Diversified Video Solutions HDR 10 Test Patterns (Native YUV)
- Bill Wetzel Native 1080P and UHD Test Patterns
- Clips & Patterns from ISF, Sony Pictures, PVA & Spears & Munsil
- FPGA "Instant drawn" Test Patterns
- Hundreds of on board patterns for setup, calibration and troubleshooting
- Virtually unlimited window patterns by using RGB Triplets and APL
- RGB Triplet Support VIA software or direct dial on device
- APL (Average Picture Level) Support
- Multiple moving test patters to verify image stability processing
- Native YUV pattern/video uploading and playback
- ANSI Contrast Test Pattern
- UHD Video Upload and Native Playback (MP4, YUV)
- UHD Pattern Upload and Native Playback (JPG, TIF, BMP)
- AV Sync (Lip Sync)
- Input Lag Testing

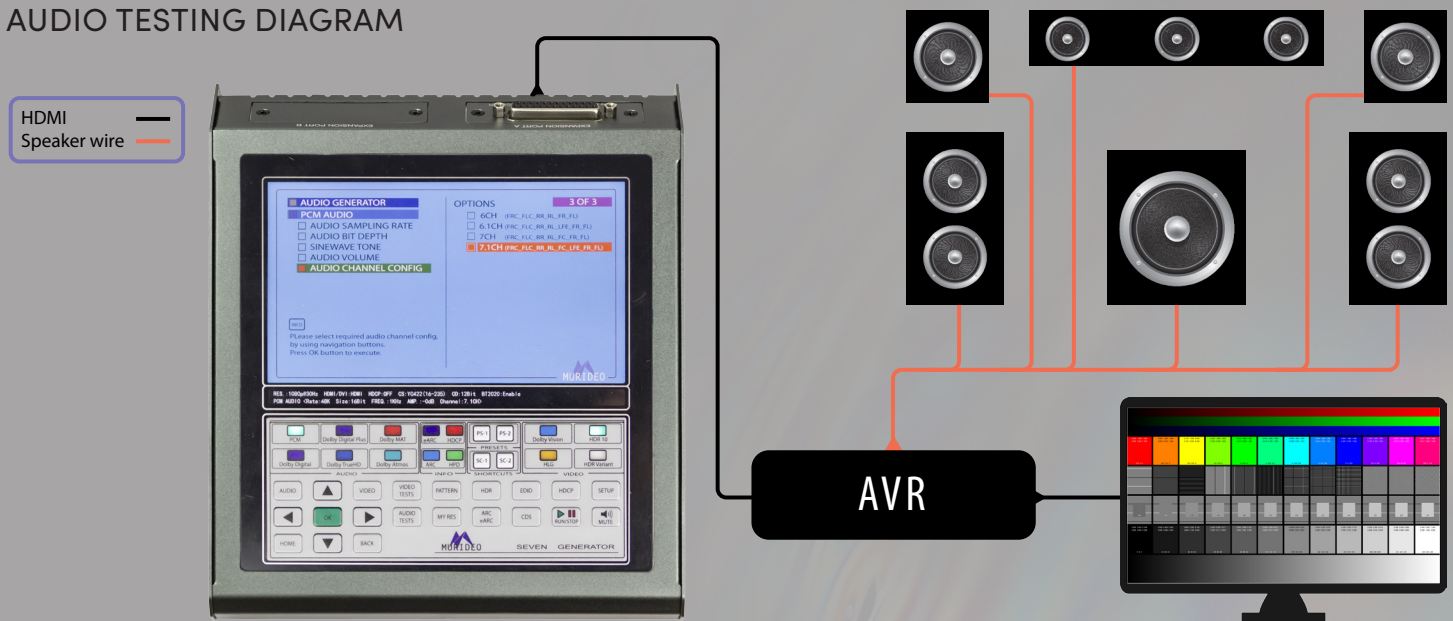


The impeccable performance in video generation is just the beginning. The SEVEN was designed with advanced audio testing capabilities, including A/V Sync (Lip Sync), Audio Latency, and Dolby Audio. This approved Test Device for Dolby Audio™ contains all current Dolby Audio streams. The Audio Suite of tests is available in HDMI Tx, ARC Tx, and eARC Tx. With additional features like tone generation, frequency sweeps, AV Sync measurements, audio latency measurements, this is an audio swiss army knife. The built-in photo-diode sensor and microphone allow you to get real-time sync and latency measurements from HDMI and ARC/eARC.

AUDIO TESTS/CAPABILITIES

- HDMI Audio Generator
- Approved Test Device for Dolby Audio
- ARC/eARC Tx Audio Generator
- ARC/eARC Rx Analyzer
- ARC/eARC CDS Info Analyzer (Human Text)
- ARC/eARC HPD Control
- Toslink/Coaxial Audio Generator
- External (L/R) audio input
- A/V Sync (Lip-Sync, compare audio and video)
 - HDMI, ARC, eARC
- Audio Latency (from generation)
 - HDMI, ARC, eARC
- Audio Input Lag testing
- Audio Signal Transition Testing/Timing
- Load and playback custom audio streams
- Up to 7.1 Channel LPCM
- Sine Wave Frequency Selection
- Sample rate, bit depth and channel configuration

AUDIO TESTING DIAGRAM



USER INTERFACE



