



## UTS-800 HD AUDIO/VIDEO SYSTEM-LEVEL TEST PLATFORM: When Your R&D Test Gear Includes HD Standards Compliance and System-Level Analysis, You Get Faster Time-to-Market

Designing consumer electronics equipment incorporating HDMI connections, or MHL, is easier and faster with the Simply Labs UTS-800 multi-function HD video and audio signal analyzer and standards compliance tester. You'll avoid costly surprises, too, by designing with the confidence that your new product will comply with the latest industry standards, assuring your end users of compatibility and interoperability for trouble-free operation!

### SYSTEM LEVEL TESTING AND COMPLIANCE WITH LATEST STANDARDS

Simply Labs' UTS-800 is a versatile, system-level digital video and audio signal generator and analysis system. It can capture and generate uncompressed HD audio/video streams and report on errors and key video parameters. UTS-800 is

intended for today's sophisticated designers working with ASICs and SoCs, where development and testing often takes place at the system-level. Uncompressed HD A/V provides an ideal comparison of before and after signal processing.

### PAYS FOR ITSELF WITH EVERY SAVED DESIGN CYCLE

Compliance with the latest HD specifications is essential before mass production. If you wait until the end of the design process to catch compliance issues, you're inviting costly de-

lays. UTS-800 enables your design team to monitor compliance at every stage in the design process, so that when you think you're ready to start production you really are!

### MODULAR, EXPANDABLE SYSTEM GROWS WITH YOUR R&D NEEDS

Featuring an ultra-fast backplane capable of 14 GBytes/sec combined throughput, UTS-800 is designed for today's standards and tomorrow's, with a modular, upgradeable platform.

Currently available modules include:

- HDMI 1.4 with HEC & ARC
- MHL System Test
- MHL-CBUS
- Ethernet LAN Analyzer

### HD AUDIO/VIDEO TESTING FROM THE INDUSTRY EXPERTS

Simply Labs, a unit of Silicon Image, is the world leader in HD Compliance and InterOp testing and consulting. The protocol test drivers in UTS-800 were developed for Simply's own testing services. Simply Labs' parent company, Silicon

Image, Inc., is a founding member of the HDMI and MHL Consortia and the world leader in providing silicon solutions for HDMI, MHL, and other cutting edge technologies. When it comes to HD, our pedigree is impeccable!

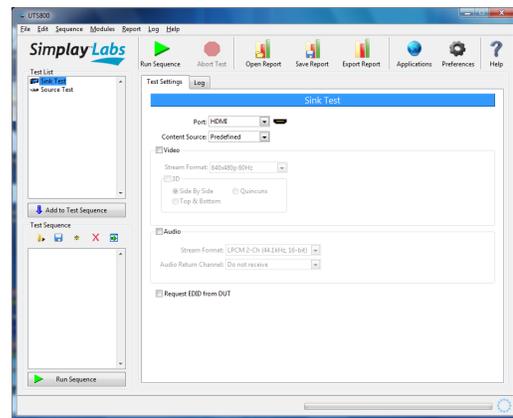
## KEY FEATURES

- Modular design with wide selection of I/O & Testing Modules including HDMI, MHL (& USB), Ethernet
- HD Audio/Video Generator, Processor & Analyzer
- Internal TCP/IP Traffic Generator & Analyzer
- PXI/PCI industry test system standards for maximum flexibility
- Official MHL Compliance Test Specification Test Platform
- Four x4 PCIe Links with 14-gigabytes/second Total Backplane Bandwidth handles multiple uncompressed 1080p/60 HD signals simultaneously, with 7.1 audio
- Multi-HD InterOp Tester with stored pre-programmed library of A/V models for InterOp testing
- Video Quality of Experience (QoE) and other key measurements
- Capture Tools: Capture, load & store A/V streams/image, Capture sequence of A/V streams/images, Compare with reference, Display errors visually on “difference” image, Capture audio to file with full 7.1 surround sound support
- Compare & Contrast: Frame-to-Frame / Pixel-to-Pixel / Bit-to-Bit for both Static Images and Streams
- Verify image format & InfoFrames match
- Verify timing details in a time stamped Video Status log
- Compare timing of A-V for lip synch
- View & Edit EDID blocks
- User Programmable for Custom Test Automation
- Assures compliance at Authorized Test Center testing

## EXPANDABLE UTS-800 HD AUDIO/VIDEO TEST PLATFORM



**UTS-800** Multi-Function HD A/V Signal Analyzer and Standards Compliance Test Control Unit with optional plug in test modules for HDMI, MHL, Ethernet. Standard connections for keyboard, mouse, display, printer, external storage and LAN are also provided.



**Simplay Labs UTS Software** Provides easy to use graphic user interface for all test functions



### Customer Support Information

Product Name: UTS-800 Multi-Function HD Audio/Video Test Platform  
 Manufacturer: Simplay Labs LLC  
 Brand Name: Simplay Labs  
 Model Number: UTS-800  
 Dimensions: 6.97 in. (177.1 mm) H x 10.68 in. (271.4 mm) W x 15.61 in. (396.5 mm) D

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