



980 ADVANCED TEST PLATFORM

The 980 Advanced Test Platform (ATP) is a flexible platform that can be configured with up to (2) two modules. The three (3) current modules are:

1. 980 HDMI Protocol Analyzer module (300MHz).
2. 980 HDMI Generator/Analyzer module.
3. 980 MHL CBUS Compliance Test module.

The platform and its modules can be controlled either through the PC-based 980 GUI Manager or through the embedded 980 GUI Manager running on the 980 itself. The 980's built-in 10.4 inch color touch screen provides a graphical user interface (GUI) to control the instrument and to view incoming video and metadata in the Real Time mode when using the 980 HDMI Protocol Analyzer modules or the HDMI Video Generator.

Note regarding "980 Gen 3" usage: The 980 Advanced Test Platform (ATP) name is replacing the existing product name: "980 HDMI Protocol Analyzer Gen 3." The 980 ATP is equipped with the 980 HDMI Protocol Analyzer module as a standard feature. The other modules are available as options at the time of purchase or upgrade.



MODULE OPTIONS

980 HDMI Protocol Analyzer module

The 980 HDMI Protocol Analyzer module provides compliance testing and full visibility into the HDMI and MHL protocol, timing, control and auxiliary data up to TMDS clocks of 300MHz (HDMI). The 980 HDMI Protocol Analyzer module captures and decodes encrypted or unencrypted metadata (protocol data, audio sample, infoframes and other data islands) as well as HDMI DDC transactions and HDMI CEC messages. Unlike competing analyzers for HDMI protocol testing, the 980 captures all protocol data, data islands and control packets with accurate timestamps even when they are transmitted in rapid succession. Module supports compliance testing for HDMI 1.4x and MHL (1.2 and 2.0 CTS).

980 HDMI Generator module

The 980 HDMI Generator module supports video and audio functional testing at data rates up to 297MHz for testing HDTVs with 4K x 2K resolutions. The module features two (2) HDMI outputs—both active simultaneously—for testing HDTVs with multiple HDMI inputs. The module's optional analyzer (future) provides functional testing of source devices such as basic video and audio analysis and timing analysis.

980 MHL CBUS Compliance Test module

The 980 CBUS Compliance Test module provides complete test coverage of the CBUS Link Layer tests, RCP tests and Common tests in the MHL 1.2 and 2.0 CTS. The MHL CBUS Compliance solution enables you to conduct compliance tests on your MHL devices in accordance with the MHL Compliance Test Specifications (CTS). The 980 compliance tests are an ideal solution for pre-testing as they enable you to get your source product to market more quickly and to reduce the expense of re-testing at the Authorized Testing Centers (ATCs).

Color Touch Display

Screen Size	10.4" Diagonal
Screen Resolution	800(H) x 600(W)
Color	24 bit RGB

General Specifications

Size (mm)	241.3 high; 292.1 deep; 279.4 wide
Weight (kg)	7.5
AC Mains	
Frequency	47 to 63 Hz
Voltage	90-264 VAC

Administration

Ethernet (RJ-45) for external GUI Manager
 800 by 600 color touch screen for embedded GUI Manager

1. 980 HDMI Protocol Analyzer module (p/n 95-00083)

The 980 HDMI Protocol Analyzer module provides compliance testing and full visibility into the HDMI and MHL protocol, timing, control and auxiliary data up to TMDS clocks of 297MHz.

Note: Always equipped in the 980 chassis.

2. 980 HDMI Video Generator module (p/n 95-00079)

The 980 HDMI Generator module supports video and audio functional testing at data rates up to 297MHz for testing HDTVs with 4K x 2K resolutions.

3. 980 MHL CBUS Compliance Test module (p/n 95-00080/81/82)

The 980 CBUS Compliance module provides complete test coverage of the CBUS Link Layer compliance tests for source, sinks and dongles for MHL CTS.

