980B ADVANCED TEST PLATFORM

The 980B Advanced Test Platform can be configured with up to (5) five modules. Current there are seven (7) modules (right).

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 980B itself.

The 980B's built-in 15-inch color touch screen with 1024 x 768 resolution provides a graphical user interface (GUI) to control the instrument's modules and to view incoming video and metadata in the Real Time mode when using the 980 HDMI Protocol Analyzer module.

SPECIFICATIONS

The following is a list of key specifications for the 980B Test Platform.

ITEM	DESCRIPTION
Screen Size	15 inch diagonal
Screen resolution	1024 x 768
Screen Color	24 bit color
Chassis size (cm)	38.7(H) x 36.5(W) x 15.9(D)
Weight (kg)	10.78
AC Mains	ITU-R BT.601-5, ITU-R BT.709-5
- Frequency	47 to 63 Hz
- Voltage	90-264 VAC
Administration	Ethernet (RJ-45) for external GUI Manager; Command line control through telnet. Touch Screen display for embedded GUI Manager

AVAILABLE MODULES

The 980B Advanced Test Platform can be configured with up to (5) five modules. The seven (7) current modules are:

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 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. Module supports compliance testing for HDMI 1.4x. 2.0 and MHL (1.2, 1.3, 2.0 and 2.1 CTS).

980 HDMI 1.4 Video Generator module (p/n 95-00085)
The 980 HDMI Generator module supports video and audio functional testing at data rates up to 300MHz 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 provides basic analysis of source devices.

980 HDMI 2.0 Video Generator module (p/n 95-00111)
The 980 HDMI 2.0 Video Generator module supports video and audio functional testing and compliance testing at TMDS character rates up to 600MHz for testing HDTVs with 4K x 2K resolutions at 60Hz. The module also supports HDCP 2.2 functional testing for UHD 4K HDMI sinks.

980 HDMI 2.0 Protocol Analyzer module (p/n 95-00112)
The 980 HDMI 2.0 Protocol Analyzer module supports video and audio functional and compliance testing for HDMI 2.0 sources at TMDS character rates up to 600MHz. The 980 HDMI 2.0 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. The module also supports HDCP 2.2 functional testing for UHD 4K HDMI sources.

980 MHL CBUS Compliance Test module (p/n 95-00099)
The 980 CBUS Compliance module provides complete test coverage of the CBUS Link Layer, RCP tests and Common tests in MHL 1.2, 1.3, 2.0 & 2.1 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).

980 DP 1.2 Video Generator module (p/n 95-00103)
The 980 DP1.2 Video Generator module supports video functional testing at link rates up to 5.4Gb/s with 1, 2, or 4 lanes for testing high-end displays. The module features two (2) DisplayPort 1.2 outputs—both active simultaneously—for testing displays with multiple DisplayPort inputs including emulation of Multi-Stream Transport (MST) source. The module also is equipped with a DP 1.2 Rx port which supports analysis of DP 1.2 source devices including capture and store of main stream and secondary data and emulation of EDID, DPCD and MST sink devices.

980 HDMI Phy & Protocol Aux Channel Analyzer module
The 980 HDMI Phy and Protocol Aux Channel Analyzer enables you to conduct DDC bus voltage and timing compliance tests on your HDMI 1.4 source and sink devices in accordance with the HDMI CTS DDC Clarification spec. Future releases of the module will support a variety of functional and diagnostic tests on the DDC channel and the CEC bus.