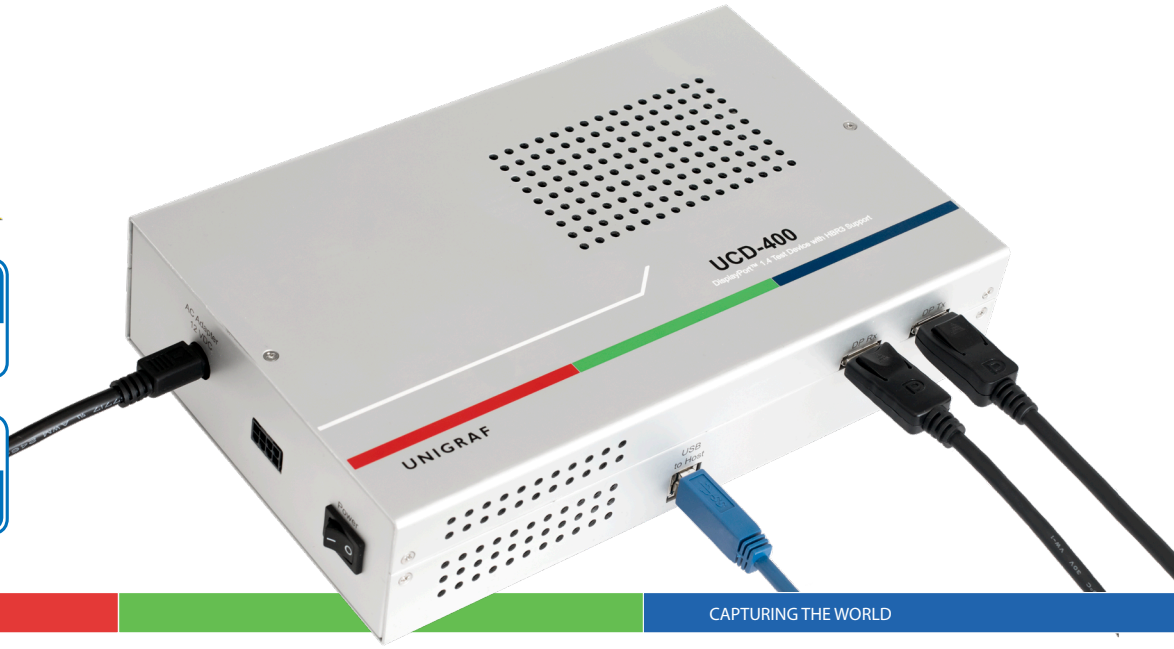
UCD-400

DisplayPort™ 1.4 & HBR3 Test Tool

8K

Approved for
HDCP 2.2 CTS

Authorized for
DP 1.4 LL CTS



CAPTURING THE WORLD

Test 8K

UCD-400 is an interface test unit for verifying DisplayPort™ interfaces up to 8K@30 Hz and 4K@120 Hz video modes. It is a flexible and robust tool either via a GUI on a laboratory desktop or via automated functional tests. The associated software provides the user access to the vital parameters and controls needed when evaluating the various functions of the interface.

For R&D and Test Automation

UCD-400 supports both hands-on debugging and running extended automated test sequences. UCD Console GUI is a preview and test application for desktop use. Each interface function has a well-structured dialog for superior at-a-glance viewability.

Unigraf TSI is a test software API that provides the system integrator a fast and reliable way for ensuring the functionality of the tested equipment.

Validation Tool

UCD-400 is platform for both DP 1.4 Link Layer and HDCP 2.2 Compliance Tests. You can use the same unit for testing both sink and source DUT. Capability for testing Repeaters will be added later. The unit supports FEC, DSC Sink and LTTPR. Please contact Unigraf for details.

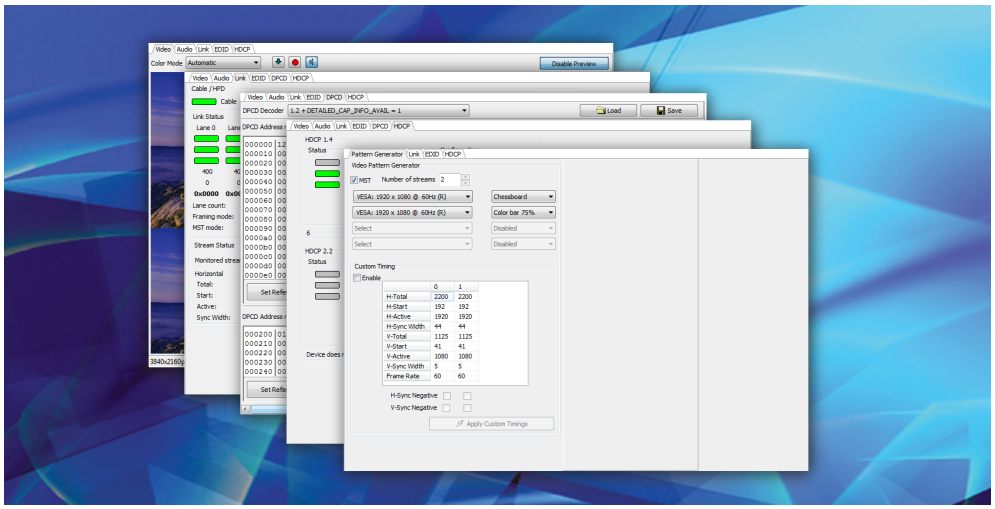
Highlights

- VESA Certified DP 1.4 Link Layer CTS Test Tool
- DCP Approved HDCP 2.2 CTS Tool
- 8K and 4K Reference Sink, Source & Repeater
- DP 1.4 / HBR3 input and output in one unit
- USB-C input and output with supplied converter cable
- MST support (4 streams)
- DSC Sink, FEC and LTTPR support
- HDCP 1.3 and HDCP 2.2 support
- High level API for easy integration

UNIGRAF

UCD-400

DisplayPort™ 1.4 and HBR3 test platform



UCD Console GUI

The graphical user interface for R&D debugging is called UCD Console. It provides the user with a flexible way of navigating between the interface based roles of the device and the functionalities of each role.

UCD Console features a preview window for the received video and audio, monitoring and controls for the link parameters and built-in pattern generator in UCD-400.
UCD Console also features an EDID editor and access to the state and control of HDCP function.

UCD Console is the user interface for DP 1.4 Link Layer and HDCP 2.2 Compliance Test tools.

High Level Test Functions

Unigraf high-level test software interface TSI (Test System Interface) provides the System Integrator a set of reliable and short cycle time interface specific tests. TSI readily implements the low-level procedures needed for verifying the various functions of the tested interface and the required software integration is minimal.

Specifications

Input	DP 1.4 (8K@30 Hz / 4K@120 Hz)
Output	DP 1.4 (8K@30 Hz / 4K@120 Hz)
Content Protection	HDCP 2.2, HDCP 1.3
DSC Capability	DSC 1.2a sink support Support RGB / YCbCr up to 12 bits per component 2 slices, max width 2560 pixels Pixel clock 120 MHz max.
Additional features	MST* FEC, LTTPR* DP 1.4 LL CTS* HDCP 2.2 CTS*
Computer Interface	USB 3.0
Operating System	Windows 10, 8 and 7
Software	UCD Console GUI TSI API with interface specific Test Sets
Power Input	+12 Vdc (AC/DC converter included)
Module Size	272 x 170 x 60 mm
Weight	1.2 kg

*) Please contact Unigraf for availablility

All specifications subject to change without notice.

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