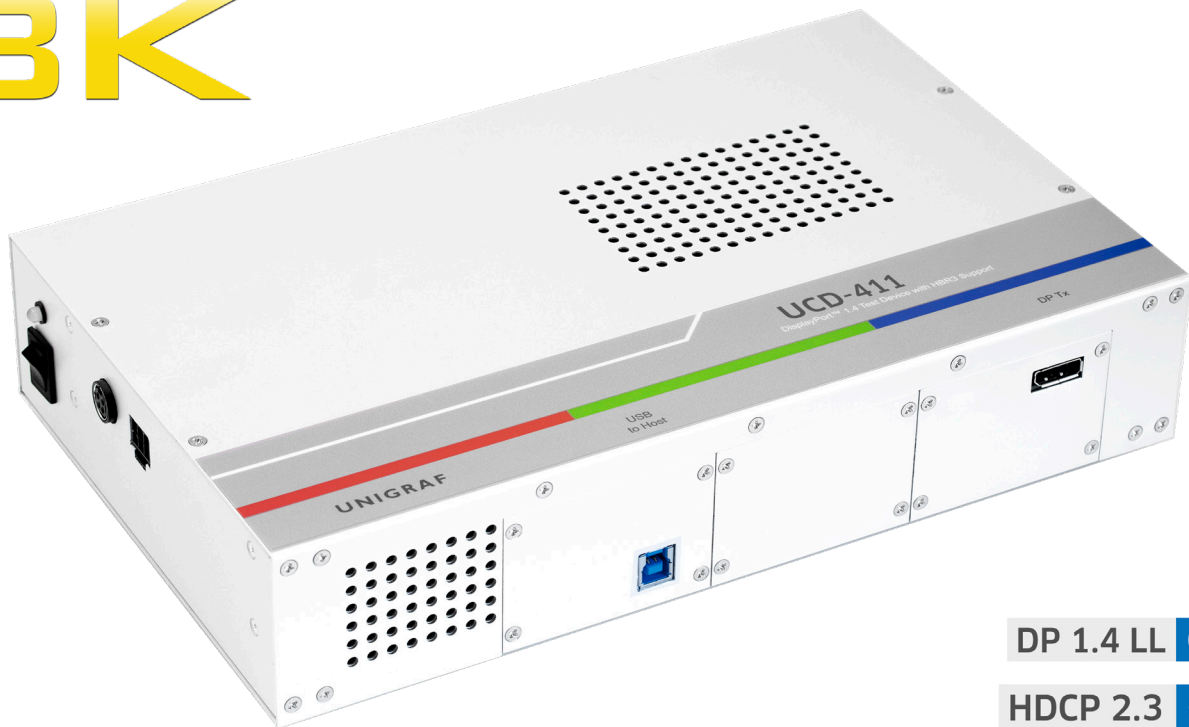


UCD-411

DisplayPort™ 1.4a • 8K & HBR3 Video Generator

8K



DP 1.4 LL CTS

HDCP 2.3 CTS

Generate 8K

UCD-411 is a video generator unit for testing DisplayPort™ sinks up to 8K@60 Hz (with DSC), 8K@30 Hz and 4K@120 Hz video modes with HBR3 max bit rate capability. 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

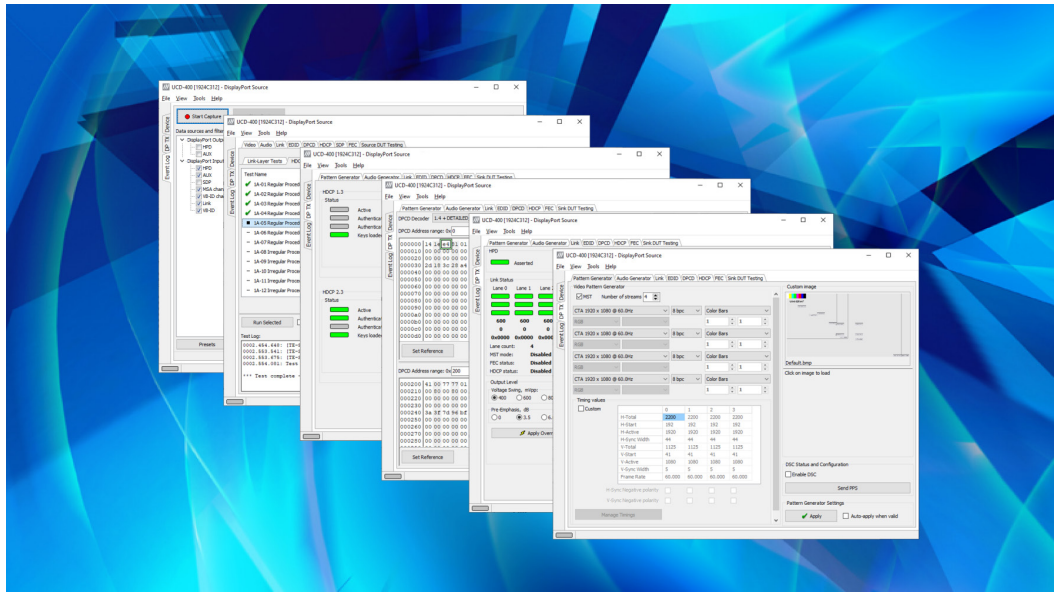
UCD-411 is a Compliance Test Tool for testing DP 1.4a Link Layer on DP Sinks and HDCP 2.2 & 2.3 on DP Receivers. The unit supports FEC, DSC and LTTTPR.

Highlights

- DP 1.4a Link Layer CTS Tool for Sinks
- HDCP 2.2 & 2.3 CTS Tool for Receivers
- 8K and 4K Reference DP Source
- DP 1.4a features:
 - » HBR3 output
 - » MST support (4 streams)
 - » DSC, FEC and LTTTPR support
- USB-C output with supplied converter
- HDCP 1.3, 2.2 and 2.3 support

UCD-411

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UCD Console GUI

The graphical user interface for R&D debugging is called UCD Console. It features a built-in pattern generator with custom patterns and timings in the UCD-411.

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 1.4a Link Layer and HDCP 2.3 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

Output	DP 1.4a (8K@60 Hz (with DSC) / 8K@30 Hz / 4K@120 Hz)
Content Protection	HDCP 2.3, HDCP 2.2, HDCP 1.3
DSC Capability	DSC 1.2a support Support RGB / YCbCr up to 12 bits per component 24 slices, max width 7680 pixels Up to 8K@60 Hz
Additional features	MST FEC, LTTTPR DP 1.4a LL CTS HDCP 2.2/2.3 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

All specifications subject to change without notice.



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