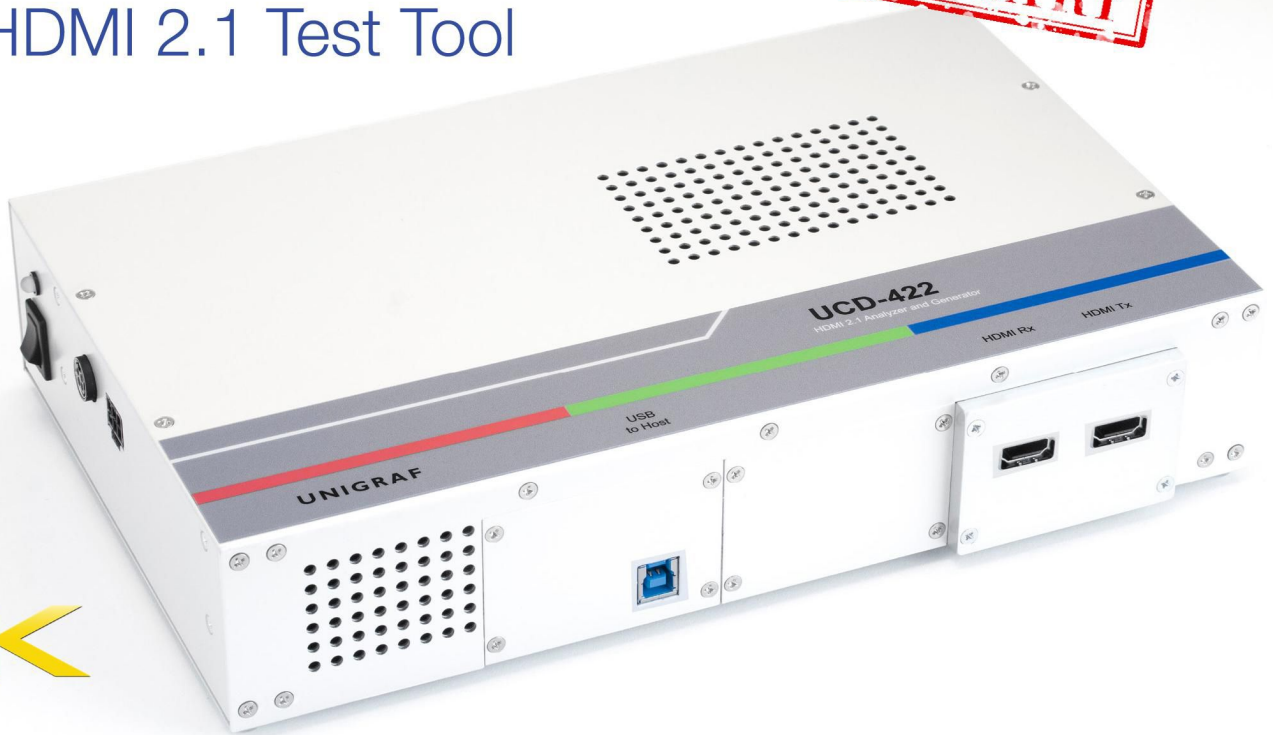


UCD-422

HDMI 2.1 Test Tool

PRELIMINARY

8K



8K Video Analyzer & Generator

UCD-422 is a Video Analyzer and Generator for testing HDMI 2.1 interface up to 8K video modes. Resolutions up to 8K@60 fps are supported. UCD-422 offers support for FEC, DSC Sink and aARC*. HDCP 2.2 and HDCP 2.3 are also supported. UCD-422 is a flexible and robust tool either via an easy-to-use GUI on R&D debugging or via automated functional tests. UCD Console GUI provides the user access to the vital parameters and controls of the tests.

* Contact Unigraf for availability

Dolby Vision™ Test Tool

UCD-422 is a Test Tool for testing Dolby Vision™. Unigraf will provide capturing of the video and audio via UCD-422. UCD-Console GUI provided with the UCD-422 will show the capturing of video. Dolby will provide customers with the software package that enables analyzing the Dolby Vision™ video captured with the UCD-422.

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.

Highlights

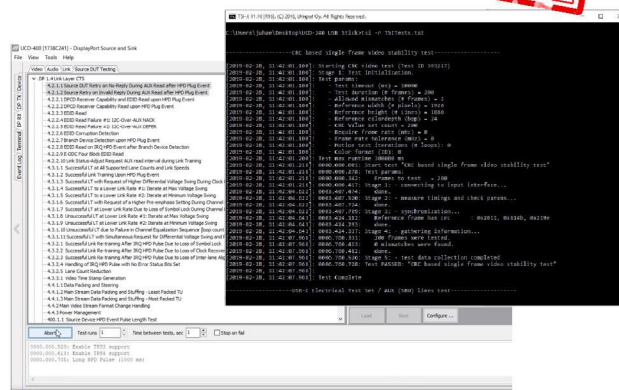
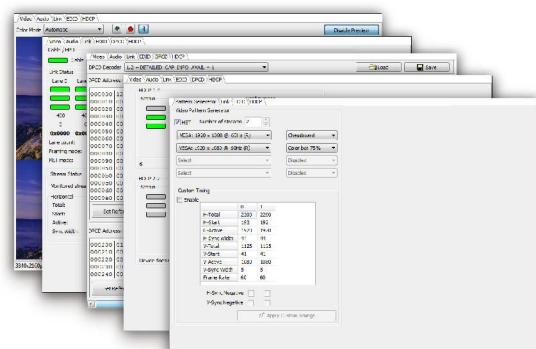
- HDMI 2.1 Compliant Test Equipment (FRL)
- Enhanced Gaming Features: VRR, ALLM
- TMDS Support
- HDCP 2.2 & HDCP 2.3 support
- Dolby Vision™ Test Tool
- 8K@60 fps support (12 Gbps/channel)
- eARC support (*ESTIMATED Q1/20*)
- DSC Support & FEC Support (*ESTIMATED 2020*)
- UCD Console GUI for debugging
- High level API for easy integration

Video Analyzer Software (*ESTIMATED Q1/20*)



UCD-422 HDMI 2.1 Test Tool

PRELIMINARY



DSC, FEC & eARC Support

As a state of the art HDMI 2.1 Test Tool UCD-422 offers support for DSC, FEC and eARC*. All formentioned features are easily used on your PC via UCD Console GUI. With different Software options available with UCD-422 you can build a test tool that fits your needs perfectly.

* Contact Unigraf for availability



Dolby Vision™ Test Tool

UCD-422 is Unigraf's second Dolby Vision™ Test Tool. Where UCD-323 is designed for testing Dolby Vision™ in HDMI 2.0 interface, UCD-422 can be used to test Dolby Vision™ in HDMI 2.1 interfaces allowing resolutions up to 8K@60 fps.

Built-in Tests

UCD-422 comes with built-in tests for e.g. Link and Video. All tests can be easily configured, selected and run in the UCD Console GUI. All built-in tests are also easily automated by configuring the tests in UCD Console GUI and running them straight from the command-line.

Specifications

Input	HDMI 2.1 (8K)
Output	HDMI 2.1 (8K)
Content Protection	HDCP 2.2, HDCP 2.3
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	FEC, eARC
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.