

VTG-5225 DP

deep color multifunction

DisplayPort™ reference source



High Color Depth Video Signal Source

Unigraf VTG-5225 DP video pattern generator is an optimum solution for testing workstation monitors with analog RGB, digital DVI and DisplayPort™ input. It provides a versatile set of features needed for testing the full resolution spectrum and the full color depth of modern displays. The optional DisplayPort™ CTS tools for Link Layer and HDCP are certified for DP LL and HDCP CTS testing.

Supports present and future needs

In addition to the outstanding output signal performance, the VTG-5225 DP provides a superior flexibility by storing timing files, predefined test pattern and custom made bitmaps internally. These features allow the VTG-5225 DP to support both present and future high resolution panel and display testing requirements.

Powerful programmability and software support

- RGB, DVI and Display Port™ outputs
- USB connection
- Powerfull pattern drawing
- True Color bitmaps
- Unlimited number of patterns and timings
- Ultra high speed pattern and bitmap switching / scrolling

Applications include:

- Standards pre-testing
- Manufacturing testing
- Engineering signal source
- QA source of standard signals
- Servicing



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Specifications

Pixel Timing

Pixel Frequency 300 Mpix/s single pixel mode
330 Mpix/s dual pixel mode

Dual-Link DVI

165 Mpix/s single link maximum
330 Mpix/s dual link maximum
True Color 8 bits per component (24 bits RGB)
Connector DVI-I with TMDS and RGB

Analog Video

VGA RGB
300 Mpix/s maximum
Sync HS (±), VS (±), C-Sync, SOG
True Color 10 bits per component (30 bits RGB)

HDTV

RGB (non filtered / filtered)
300 Mpix/s maximum
Sync Sync on Green
Separate HSync (±) and VSync (±)
True Color 10 bits per component
(30 bits per RGB)

DisplayPort™

STMicroelectronics gm60028 DP Tx
Supports 1, 2 or 4 lane configurations
Supports all four levels of pre-emphasis and voltage swing
Supports high and reduced bit rates

Supported Video Formats

All VESA DMT/CVT formats up to WQXGA 60 Hz (2560 x 1600)
All CEA 861-D formats
Custom formats including 1366 x 768 up to 270 Mpix/s pixel rate

Deep Color

6, 8 or 10 bit color depth, true color

Video Frame Buffer

User accessible memory 64 Mpixels, 36 bits/pixel for storing patterns and bitmaps, allowing frame-to-frame and scrolling animation etc.

Audio

S/PDIF feed through from external audio source

System Requirement

Windows™ XP

Power

+12 VDC / 4 A
(External AC/DC adapter included)

Dimensions

72 x 211 x 342 mm

Data Communication

USB USB 2.0 compatible
Serial RS-232C, 9-pin Dsub
(for external keypad)

SW Support:

WinVTG User Interface
DP Source Console User Interface for DisplayPort™ Link level functions
Windows DLL software library
Visual Basic and C++ sample programs
DP Production Test Command Set



All specifications are subject to change

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