

VTG-5225 QLT

high color test pattern source with analog, DVI and Quad LVDS output



High Color Depth Video Signal Source

The VTG-5225 QLT supports the demanding need for high definition and high color depth testing requirements. The VTG-5225 QLT is a flexible tool that provides Dual-link DVI, analog VGA and HDTV with the optional 4-channel LVDS output. It supports pixel rates 330 Mpix/s for the Dual-DVI, 300 Mpix/s for the analog VGA and HDMI. The LVDS output supports single, dual and quad pixel mode up to 400 Mpix/s rate and the full 10 bits per color depth.

Supports present and future needs

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

Powerful programmability and software support

- USB and RS-232 connection.
- Powerfull pattern drawing
- True Color bitmaps
- Unlimited number of patterns and timings
- Ultra high speed pattern and bitmap switching
- Pattern and bitmap scrolling
- No additional adaptors needed

Applications include:

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

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Specifications

Pixel Timing

Analog & DVI	300 Mpix/s single pixel mode 330 Mpix/s dual pixel mode
LVDS	135 Mpix/s single pixel mode 270 Mpix/s dual pixel mode 400 Mpix/s quad pixel mode

Dual-Link DVI

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

Analog Video

VGA	RGB 300 Mpix/s maximum
Sync	HS (\pm), VS (\pm), 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 (\pm) and VSync (\pm)
True Color	10 bits per component (30 bits per RGB)

LVDS

Digital Video	LVDS (2 x THC63LVD1023) 30 bit (3 x 10 bit, RGB) pixels to 135 Mpix/s single pixel mode 270 Mpix/s dual pixel mode 400 Mpix/s quad pixel mode
Colors	6, 8 or 10 bit color depth Selectable color bit order
Connectors	4 x MDR-26 DISM1.0

Video Frame Buffer

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

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
Windows DLL software library
Visual Basic and C++ sample programs

All specifications are subject to change

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