

VTG-5120 LT

30-bit LVDS test pattern source



High Color Depth Video Signal Source

The VTG-5120 LT supports the demanding need for high definition and high color depth testing requirements. The VTG-5120 LT is the first generator in the market to support dual pixel mode (3 x 10 bits) to 270 Mpix/s rate with true color.

Supports present and future needs

In addition to the outstanding output signal performance, the VTG-5120 LT provides superior flexibility by storing timing files, predefined test pattern and custom made bitmaps internally. These features allow the VTG-5120 LT 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

Applications include:

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

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Specifications

Pixel Timing

Pixel Frequency	135 Mpix/s single pixel mode 270 Mpix/s dual pixel mode
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Horizontal Timing

Scan Range	1 to 1000 kHz
Period	128 to 65,535 pixels
Sync Pulse	2 to 2048 pixels
Back Porch	0 to 2048 pixels
Display Resolution	16 to 4096 pixels, active
Adjust Step	1 pixel for all parameters

Vertical Timing

Scan Range	1 to 1000 Hz
Period	4 to 4500 lines
Sync Pulse	1 to 4096 lines
Back Porch	0 to 4096 lines
Display Resolution	1 to 4096 lines, active
Adjust Step	1 line for all parameters

Outputs

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

System Requirement

Windows™ XP or 2000

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 D

Memory size

Display memory	64 Mpixels
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SW Support:

WinVTG User Interface
Windows DLL software library
Visual Basic and C++ sample programs

All specifications are subject to change

