

# 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

# VTG-5120 LT

## 30-bit LVDS test pattern source



## Specifications

### Pixel Timing

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

### 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

### SW Support:

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

All specifications are subject to change



[www.unigraf.fi](http://www.unigraf.fi)

**UNIGRAF OY** Ruukintie 3, FI-02330 Espoo, Finland  
Phone +358 9 859 550, fax +358 9 802 6699

**UNIGRAF-USA** Phone +1 888 362 7960, fax +1 605 362 7961,  
[www.unigraf-us.com](http://www.unigraf-us.com)

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