

VTG-4108 CLV

video source for mobile display testing



Flexible Video Signal Source

The VTG-4108 supports the need for testing small sized color and monochrome panels. It combines a flexible and user friendly test signal source with Composite (CVBS), S-Video and 24 bit single pair LVDS outputs. A wide variety of data signal configurations and timing modes can be programmed to the device.

Supports present and future needs

In addition to the outstanding output signal performance, the VTG-4108 provides superior flexibility by storing timing files, predefined test pattern and custom made bitmaps internally. These features allow the VTG-4108 to support a multitude of different panels and tests.

Powerful programmability and software support

- USB connection to PC
- Powerful pattern drawing
- Unlimited number of patterns and timings
- Bitmap support

Applications include:

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

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Specifications

Display Memory

2048 x 1024 x 8 bit, 256 colors
out of 16.7 million colors

Composite video (CVBS) and S-Video

Format PAL and NTSC
Connectors Composite: BNC
S-Video: 4-pin mini DIN

Single pair LVDS

Format 24 bit serializer w clock
Transmitter DS90C241,
clock range 5 to 35MHz,
DC-Balanced serializer
Connector JAE MX38002NQA

Pixel Frequency (LVDS)

5 to 35 Mpix/s, step 0,01 MHz,
accuracy +50 ppm

Horizontal Timing (LVDS)

Scan Range 1 - 1000 kHz
Period 256 - 2048 pixels
Sync Pulse 2 - 1024 pixels
Back Porch 0 - 512 pixels
Display Resolution 16 - 1024 pixels, active
Adjust Step 1 pixel for all dot clocks

Vertical Timing (LVDS)

Scan Range 1 to 1000 Hz
Period 4 to 2000 lines
Sync Pulse 1 to 1024 lines
Back Porch 0 to 1024 lines
Display Resolution 1 to 1024 lines, active
Adjust Step 1 line for all parameters

Power Supply

+12 VDC / 1 A
(External AC/DC adapter included)

Dimensions

390 x 140 x 54 mm

System Requirement

Windows™ XP

Data Communication

USB 2.0 compatible

SW Support:

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

All specifications are subject to change

 **UNIGRAF**

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

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