VG-870B/871B・VG-873/874
Programmable Video Signal Generator

Uncompressed 10-bit Moving Picture Function (VM-1819)

The sequential uncompressed pictures (2D or 3D) are output from all interfaces. This is useful for evaluating picture quality.

Maximum 4 scenes are selectable from VT-7001 (2D, HD picture) video library as option.

Subtitle Scrolling
Sub-pixel patterns Various types of sub-pixel test patterns enable users to test the flat panel performance more accurately.

Programmable Ramp patterns Linear Ramp patterns can be set by the designated range of level.

MPRT testing with APDC patterns MPRT (Moving Picture Response Time) patterns developed by APDC (Advanced PDP Development Center Corporation) with 0.5 dot scrolling supported.

DVI / iTMDS to LVDS conversion adaptor

VARIOUS FREQUENCY

Remote BOX

Optimal Patterns Library

SP-8010 IA-1540 IA-1542 VT-8500-0008

Optimal Functions

Converter BOX

Software

ASTRODESIGN, Inc.

For more information, please contact us.

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HDMI “4K×2K/30p” and “3D (Side-by-Side Full, etc.)” supported by VG-873/874

4K×2K/120p, 1080/240p timing supported by iTMDS, DisplayPort and V-by-One HS

Various digital interfaces (DisplayPort, eDP, 4K×2K iTMDS, V-by-One HS, SDI)

High Bit Rate / One-Bit Audio (optional)

Uncompressed 10-bit moving picture playing function (optional)
Programmable Video Signal Generator

VG-870B/871B, VG-873/874

VG-870B and VG-871B perform front button operation. VG-873 and VG-874 need remote box or software operation.

VG-873/874: maximum 2 modules are selectable. VG-870B and VG-873 perform front button operation. VG-871B and VG-874 need remote box or software operation.

Output
- Video
- Audio

4Kx2K Unit

PC Analog Unit (VM-1811)

DisplayPort Unit (VM-1820A)

DisplayPort, eDP Unit (VM-1826)

SDI Unit (VM-1821)

Parallel Unit (VM-1816)

4Kx2K Unit (VM-1824)

4Kx2K Unit (VM-1824-A)

TV Encoder Unit (VM-1812)

DVI Unit (VM-1814)

LVDS Unit (VM-1815)

HDMI Units

HDMI 300MHz Video Signal Generator VG-873 / 874

HDMI Unit

Main Features
- HDMI TMDS Clock 300MHz supported
- 4K (3840x2160) 30p, 60p and 4096x2160 30p and 1080p/24p timings
- HDMI 16-bit output (with the limited dot clock frequency)
- HDCP (High band Electrical and Optical) test function

HDMI 300MHz Video Signal Generator

Other HDMI Units

HDMI Unit (VM-1817)

HDMI Unit (VM-1822)

Features

HDMI

3D (supported by VM-1822 and VG-873 / 874)
Test patterns of 3D format specified in HDMI standard are supported.
By using the software "3D Image Editor" in SP-8870-3D, users can own Left and Right separat 3D image can be converted to 3D image format.
Various 3D test patterns are pre-installed, and they are displayed with 3D InfoFrame setting.

CEC (Consumer Electronics Control)
Commands communication test

ARC (Audio Return Channel) test function

AAC / AC3 Option
AAC (Dolby Digital) and AC3 digital audio that are supported by the latest flat panel display is supported.

HBR / OB Full Audio Option

In addition to AAC and AC3, HBR (High Bit Rate) and OB (One Bit) audio that is defined in the HDMI standard is supported.
By using the I²S interface, audio is embedded and output.
Compatible with the VG-849C-A "HBR/OB Audio Compliance Tester" and compliance test software is available as option.

4Kx2k/60p, 1080p/24p timings supported (VM-1824 / VM-1824A / VM-1825 / VM-1826)

- Digital interfaces, such as ITMOS / DVI, V-by-One HS and DisplayPort, support 4Kx2K/60p and 1080p/24p timings.
- By using two VM-1824, VM-1824A, VM-1825 or VM-1826, 4Kx2K/120p timing is supported.

Note: some action functions like Motion Blur, Show slew / Ramp / Window scroll and Window filter patterns are not supported.

Vertical split mode
Cross split mode