

HDMI VIDEO SIGNAL GENERATOR

MSPG-925SM

*HDMI Execution
High-Definition Multimedia Interface*



FEATURES

- 250MHz Pixel Frequency for CRT/Analog LCD Monitor
- 165MHz Pixel Frequency for Digital LCD Monitor
 - DVI Single Link sil170 (HDCP Support)
- HDMI function execution : Type A connector
 - RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2(Formats Conversion by user and AVI)
- Dual HDCP through DVI and HDMI Type A Connector
- Fully Programmable
- Programmable Video Level
- Programmable Sync On Green
- Flexible Input : Dot Or Time
- Scanning Function
- EEPROM Storage Type
- RS-232C Interface
- High Capacity Memory
- Inspection and Operation through Remote Controller
- Factory installed standard Pattern and Timing Formats
- TMDS output(DVI-I 24) Inherited EIA/CEA-861B Standard timing
- DTV output (1080i, 720P, 480P, DVB Format)
- CVBS output (NTSC / PAL / SECAM): BNC & RCA
- S-Video Output (Y,C)
- SCART 21PIN (European TV Connector)
 - Changeable 16:9, 4:3 Automatically, Possible to output Y/C signal
- Audio output : Simultaneous, Swap, Sweep Mode
- S / PDFIF input

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OUTPUT SPECIFICATION

- Analog RGB /TMD5/Composite & S-Video /D-TV /HDCP Execution
 1. Analog Signal : R, G, B, HS, VS, CS => connector type : BNC & 15P D-Sub
 2. Digital Signal : TMD5 Single Link => connector type : DVI-I (Analog & Digital)
HDCP support(High Bandwidth Digital Contents Protection)
 3. HDMI (High- Definition Multimedia Interface) => connector type : Type A
HDCP support (High Bandwidth Digital Contents Protection)
 4. TV Signal (CVBS) => Connector Type : BNC or RCA
NTSC, NTSC-4.43
PAL- B, D,G, H, I / PAL-M / PAL-N / PAL-60
SECAM
 5. D-TV Signal => Connector Type : BNC & RCA
(1080i, 720p, 480p, DVB Formats)
 6. Scart 21pin for European TV => Connector Type : Scart 21pin (Changeable 16:9, 4:3 automatically)
Possible to output Y / C signal
 7. Audio => connector type : RCA
(Sine wave, Swap, sweep : Left, Right) Output
S / PDIF Input
- Inherited abundant patterns and special patterns
Added special patterns as like blink patterns for DLP mirror error detect based on normal patterns as like Character, Color Bar, Cross hatch, Gray Scale and combination pattern.
MSPG-925SM has 144 kinds of patterns.
- Adopted external Backup ROM
250 kinds of timings and pattern's options can be uploaded to external EEPROM.
- Inherited abundant internal data
MSPG-925SM has 380 kinds of patterns , timings and pattern control data.
(VESA standard, VGA~UXGA, Mac, Sun, NEC, DTV ,TV , EIA/861B)

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SPECIFICATIONS

- Graphic Display
 - Non Interlace Mode : 2048x2048
 - Interlace Mode : 4096x1024
- Horizontal Timing
 - Horizontal Scan : 10~200 kHz
 - Front Porch : 0~999 dot
 - Display Time : 50~4096 dot
 - Resolution : 2Dot
- Standard Interface
 - RS-232C Protocol
 - Remote Control(Key pad unit)
- Data Storage Device
 - EEPROM
 - (250Timing, 133Pattern, 99Function Group)
- Power Requirement
 - Power : ac100~240V, 3A, 50/60Hz
- CVBS
 - NTSC, NTSC-4.43
 - PAL-B,D,G,H,I PAL-N, PAL-M
 - PAL-60 SECAM
- Operating
 - Temperature : 0~40℃
 - Humidity : 40~80%
 - Custody temp : -10~60℃
- Scan Mode
 - Non-Interlace Mode
 - Video & Sync Interlace Mode
 - Sync only Interlace Mode
- Vertical Timing
 - Vertical Timing : 10~200Hz
 - Front Porch : 0~999 line
 - Display Time : 20~2048 line
 - Resolution : 1Line steps
- Preprogrammed Timings and Patterns
 - 250 Timing Formats
 - 133 Patterns
 - 99 Function Groups
- Dimension & Weight
 - WxDxH(mm) : 335x335x90
 - Weight(kg) : 4.3
- DTV
 - 1080i, 720p, 480p, DVB format
- DIGITAL TIMING
 - EIA/CEA-861B Standard
- HDCP
 - Possible to execute HDCP Function
- SCART 21PIN
 - (European TV Connector)
 - Changeable 16:9, 4:3 automatically
 - Possible to output Y/C signal
- Execute HDMI 1.0