

MSPG-4233MT

Video Signal Generator with Media Player

IMAGE



DEFINITION

아날로그 신호, 디지털 신호, TV 신호(S-Video 포함) 및 DTV 신호와 고해상도의 디지털 콘텐츠를 보호하기 위한(HDCP) 기능을 지원하는 장치로 대형 디스플레이 장치[해상도:WUXGA]까지도 충분히 검토할 수 있는 CRT, LCD, PDP, TV, D-TV 디스플레이 장치 산업의 핵심 검사장비입니다.

D-TV(NTSC, PAL)를 위한 다중방송기술인 Teletext, Closed Caption 기능 및 폭력 프로그램과 같은 미리 규정된 등급의 프로를 차단하는 V-Chip(Violence Chip)기능을 기본적으로 지원합니다.

Media Player 기능은 종전의 DVD영상 테스트를 신호발생기에서 가능하게 함으로써 생산라인에서 영상테스트시 번거로움을 극소화 시켰습니다.

SPECIFICATION

H/V Frequency	Horizontal	10~300KHz / 1 Dot Resolution
	Vertical	10~300Hz / 1 Line Resolution
Analog Output	Display Size	4096 X 4096
	Pixel Clock	8~330MHz
	Video Level	R, G, B (Load 75 ohms, 0~1.0V Programmable)
	Output Connector	15P D-Sub, DVI-I
	EDID	Read
	Separate Sync	HS, VS (3.0V~5.5Vp-p Programmable / Inherited Sync Level is 4.8Vp-p)
DVI (TMDS) Output	Pixel Clock	* Single Link : 25~165MHz / * Dual Link : 25~330MHz
	Transfer Type	* Single TMDS 24 Bit Input Mode / * Dual TMDS 12 Bit Input Mode
	EDID	Read
	HDCP	Support Single & Dual
	Compliant	DVI 1.0 Support
	Video Signal Type	RGB
	Output Connector	DVI-I (DVI 2 Ports, Single/Dual)
	Data Bit	8~16 Bit
D-TV Output	Signal	Y, Pb, Pr
	Connector	BNC, D5
	Time	480i/p, 576i/p, 720p, 1080i/p for ATSC and DVB Format
	Note	Support D Terminal for Japanese D-TV (Adjustable to 16:9, 4:3 aspect ratio)

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CVBS Output	Output Mode	* NTSC M,J (3.58MHz) * NTSC443 (4.4MHz) * PAL B,D,G,H,I (4.434MHz) * SECAM (For=4.406MHz / For=4.25MHz)	
	Subcarrier Stability	25ppm (± 25 Hz / 1MHz)	
	Video Output	Composite(BNC), S-Video * Signal : CVBS (Connector : BNC) * Signal : Y/C (Connector : 4Pin-Mini Din)	
	Closed Caption (NTSC)	C1, C2, C3, C4 / T1, T2, T3,T4	
	V-Chip	* MPAA Rating : G, PG, PG-13, R, NC-17, X * FCC Rating : TV-Y, TV-Y7, TV-G, TV-PG, TV-14, TV-MA	
	Teletext (PAL)	Teletext System B Level 1, 1.5	
	HDMI (TMDS) Video Output	Compliant	HDMI 1.3 Version (CEC Support)
		Pixel Rate Range	25~165MHz (TMDS Clock : 25~225MHz)
Standard Spec		EIA/CEA-861D	
Video Signal Type		RGB, YCbCr	
Pixel Encoding		RGB444, YCbCr444, YCbCr422	
Data bit of RGB & YCbCr		8, 10, 12	
Color Space		RGB, BT-601, BT-709, xvYCC-601, xvYCC-709	
HDCP		Support HDCP 1.1 Version	
EDID		Read	
Output Connector		Type A, HDMI 3 Port	
Note		Support Deep Color & xvYCC	
HDMI Audio		Sample Rate	32 / 44.1 / 48 / 88.2 / 96 / 176.4 / 192KHz
	Number of Channel	2 Channels	
	Bit per Sample	24	
	Waveform	Sine Wave	
	Frequency Range	20Hz to 20KHz / 5Hz step	
	Level Range	0mV to 2.0V / 100mV step	
	External Audio Input	S/PDIF, Optical	
	Special Control Mode	Fix, Sweep, Swap, Optical, Mute	
Audio (Analog)	Frequency Range	20Hz to 20KHz / 5Hz step	
	Level Range	0mV to 2.0V / 100mV step	
	Waveform	Sine Wave	
	Number of Channel	2 Channels	
	Connector	RCA	
	Special Control Mode	Fix, Sweep, Swap, Mute	
Media Player	CVBS	NTSC, PAL	
	D-TV (YPbPr)	480i/p, 576i/p, 720p, 1080i/p	
	Analog	15P D-SUB	
	HDMI	1.2 Version (CEC Support)	
	Video Format	MPG, AVI, WMV, ASF, TP, VOB, MP4, TRP	
	Audio Format	MP3, WMA, AAC, PCM, AC3, WAV, BSAC, WMAPRO	
	Image Format	JPEG, BMP, PNG, GIF	
	Storage Capacity	2.5"HDD (80GB)	
	Connector	D5, CVBS(BNC), D-TV, ANALOG, HDMI, S-VIDEO	

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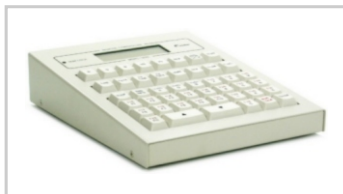
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Scart Output	Signal Mode	RF Input Mode, CVBS Mode, RGB Mode, Y/C Mode
	Connector	SCART 21Pin
Scan & Function Group	Scan Storage	99 Group (1 Group ; 24 Step)
	Function Storage	99 Group (1 Group ; 32 Step)
Data Storage Device	Timing	999 Timing (User:1~500, Default:501~999)
	Pattern	999 Pattern (User:1~500, Default:501~999)
	Compact Memory Card	512MB
General Specification	Power Consumption	AC 100~240VAC, 50/60Hz Auto Switch
	Operating Conditions	* Temperature : 0~40℃
		* 80% Humidity, Non-condensing
Dimension(WXDXH)	440 X 355 X 145mm, Weight : 6Kg	
Others	Max Image	2048 X 2048 Bit Map Image Size
	Moving	2 Dot, 2 Line Control
	User Interface	* Front Panel (6.4 inch / Graphic LCD) Key Pad
		* Possible to Timing Parameter Edit
* USB, RS-232C, PC EDIT Tool		

* All specifications are subject to change without any notice.

Remote Controller (Optional Product)

- Remote Controller는 신호발생기 Front Panel에서 호출하는 기능들을 생산 현장에서 작업에 필요한 기능만 분리할 수 있도록 하여, 작업 공간이나 효율성 등의 문제를 해결함으로써 일반적인 생산라인에서 유용하게 사용할 수 있습니다.



• MSRC-005L

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