

MSPG-3233RS

Video Signal Generator (Read Type)

IMAGE



DEFINITION

- Analog was a main item in display device industries at the past time, but from now on, the digital is getting developed with multi-function and large-sized resolution. Preparing for this change, this signal generator is an essential equipment of CRT, LCD, PDP, TV, D-TV display device industries, which was made for generating analog signal, digital signal, and TV signal, D-TV signal, HDCP Code simultaneously and sufficiently examining a large-sized display device.
- MSPG-3233RS is basically supporting the Teletext and Closed Caption as multi broadcast for the D-TV(NTSC, PAL), as well as V-Chip(Violence Chip) function to block the violence and sex etc. bad program to protect a person under age through the regulation grade.

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
Data Bit	8~16 Bit	
D-TV Output	Signal	Y, Pb, Pr
	Connector	BNC
	Time	480i/p, 576i/p, 720p, 1080i/p for ATSC and DVB Format

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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 (\pm 25Hz / 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
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
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

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General Specification	Power Consumption	AC 100~240VAC, 50/60Hz Auto Switch
	Operating Conditions	* Temperature : 0~40℃
		* 80% Humidity, Non-condensing
Dimension(WXDXH)	410 X 390 X 87mm, Weight : 5.2Kg	
Others	Moving	2 Dot, 2 Line Control
	User Interface	USB, RS-232C, PC EDIT Tool

* All specifications are subject to change without any notice.

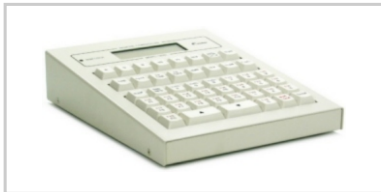
Programmable Remote Controller (Separate Sale)

- As the MSPG-3233RS is not the programmable signal generator but the read type of signal generator it's impossible to edit or store the data(Timing & Pattern) by itself.
To be programmable, it needs the programmable remote controller(MSPR-001).



Remote Controller (Optional Product)

- You can use remote box in order to promote work efficiency, before operating remote box, first of all, check baud rate and protocol of communication.



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