

Video Signal Generator

VG-884

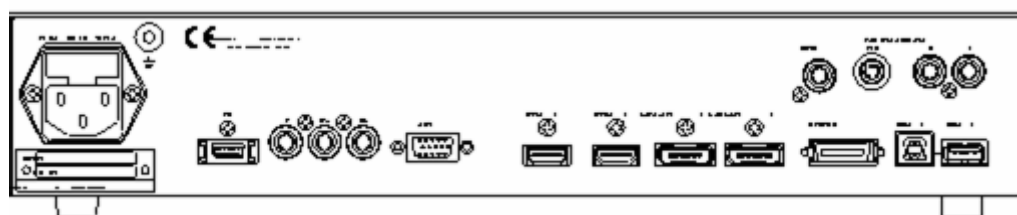


Multi-Interface Signal Generator for Monitor, TV and Projector production line

Main Features

- HDMI x 2 ports, DisplayPort x 2 ports, PC analog and TV interfaces.
- HDMI ARC (Audio Return Channel) and 3D functions are supported (option).
- HDMI HEC function is tested with optional HEAC Adaptor (IA-1542)
- Remote box operation (RB-1870 or RB-1871)
- Program edit by software SP-8870 (USB communication)

Rear view



HDCP/CEC/EDID Check Pattern (option)



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Specifications

HDMI		
Connector	HDMI x 2 channels	
Dot Clock	8 BIT	25 – 165MHz (TMDS CLK : 165MHz)
	10 BIT	25 – 165MHz (TMDS CLK : 206.25MHz)
	12 BIT	25 – 150MHz (TMDS CLK : 225MHz)
Color Format	8/10/12-bit (RGB / YCbCr 4:4:4/ YCbCr 4:2:2) * 10/12-bit output ramp pattern only	
HDMI Function	HDCP, EDID, CEC, Deep Color (ramp pattern)	
HDMI Audio Output	Output Frequency	100Hz – 14KHz(sampling freq. 32KHz)
		100Hz – 20KHz (sampling freq. 44.1 / 48KHz)
DisplayPort (Ver1.1a)		
Connector	DisplayPort x 2 channels	
Dot Clock	16-165MHz (TMDS CLK : 165MHz)	
Color Space	8, 10-bit, RGB, YPbPr 4:4:4	
Data Rate	1.62Gbps / 2.7Gbps	
Lane count	1 / 2 / 4 lanes	
DisplayPort Audio Output	Sampling Frequency	32, 44.1, 48, 88.2, 96KHz
	Output Frequency	100Hz to half of Sampling Frequency Hz
ANALOG TV		
Interface type	Component RCA, D-terminal, CVBS, S-video	
Dot Clock	0.100 – 165.000 MHz	Timing format : SDTV(NTSC, PAL), HDTV
Timing format	SDTV(NTSC, PAL), HDTV (YPbPr, 8-bit)	
Functions	Closed Caption, V-chip, Teletext, WSS/ID1, CGMS-A	
ANALOG PC		
Interface type	VGA (D-sub 15pin) RGB 8-bit	
Clock frequency	5-165MHz	
Analog Audio		
Interface type	RCA x 2 (L/R)	
Test patterns		
Test patterns	Programmable by SP-8870 software	
Color depth	256 colors for Natural Pictures	Scroll function available
	256 to 4096 colors for Linear ramp (8 – 12 bit)	
General specifications		
Power Supply / Frequency	AC100-240V / 50/60Hz	
Power Consumption	52VA Max.	
Operating Temperature	5-40°C	
Humidity	30-80% RH	
Dimensions	370(W) x 66 (H) x 300 (D) mm, about 3.5KGs	

The specifications are subjected to change without notice.