

This is the latest product equipped with a variety of TV signal functions including HDMI ver. 1.3 output.

VG-859C is a portable type video signal generator that supports all display field specifications not just PC monitor displays, but also FPD television corresponding to digital broadcast and the development of advanced display device technology. HDMI interface standards (equipped with High-Definition Multimedia Interface: EIA/CEA-861D compliant), for next generation TV is newly equipped. While supporting TMDS digital signal output, with the addition of HDCP performance, abundant analog output channels (BNC, D-Sub-15, D terminal, DVI-I, VBS, and S terminal). It supports RGB, color difference, three-valued synchronization, and television standard television signals. Internal 450 sample programs are easy to be recalled.



Features

- Wideband Dot Clock**
 This product supports a wide range dot clock of 5 - 250 MHz at analog output, 25 - 165 MHz (DVI dual link), 25 - 165MHz(HDMI) at digital output.
 1KHz accuracy allows for more precise settings.
- HDMI supported**
 HDMI function is provided for transmitting high-resolution (HDTV) video and multi-channel audio without compression that could result in quality deterioration.
 Complies with "HDCP (High-bandwidth Digital Contents Protection)," with AV-MUTE ON/OFF function.
 The latest HDMI standard 1.3 supported.
- Ethernet adopted for outside interface**
 Ethernet and RS-232C have been adopted for external interface. By supporting Ethernet, the signal generator is now capable of performing batch control of multiple VG units.

- CEC control function**
 CEC (Consumer Electronics Control) command simulation function supported.
- Equipped with scroll and simple animation imaging functions**
 Equipped with a 1-dot level horizontal and vertical display pattern scroll function. It can also be used to store multiple animation images with respect to resolution and display them by moving a display start coordinate control.
- Editing via PC Card is possible**
- Corresponding full color output**
- It corresponds to closed caption, teletext, V chip, and macro vision as an option.**
- HDMI 1.3 Deep color(10/12 bit) mode supported 1024/4096 level ramp pattern for testing 10/12 bit supported as an option.**
- HDMI 1.3 xvYcc, Lipsync test function can be supported by firmware upgrade (available around April 2007)**
 * Schedule Subject to Change with out notice.
 Please contact our local distributor for more details.

specifications

Output specifications	Dot clock frequency	Analog : 5 to 250MHz / 1KHz steps Digital DVI : 25 to 165MHz / 1KHz steps Digital HDMI : 25 to 165MHz / 1KHz steps	
	Horizontal frequency / dot	10 to 300KHz (Max. 8192 dot) 1 dot accuracy for full range (Analog output only)	
	Vertical frequency / line	15.6 to 200Hz (Max. 8192 lines)	
	Video memory	HDMI : 4k x 4k x 36 bits (RGB 12 bit each) Analog / DVI : 4k x 4k x 24 bits (RGB 8 bit each)	
Analog output	Window plane / character plane	Window setting with a register 1 of 16,770,000 colors	
	Output signal	R • G • B/Y • R-Y • B-Y • HS • VS • CS	
	Output impedance	75Ω	
	Video peak level	0.3 to 1.2V	
	Setup level	0 to 0.25V	
	Composite sync level	0 to 0.6V (0 to ±0.3V at trilevel output)	
	Equalizing pulse	ON/OFF selectable	
	Serration pulse	OFF/0.5H/1H/XOR selectable	
	Level adjustment	Video (RGB independent)	
	Output	Video : OFF/R • G • B/Y • R-Y • B-Y Sync : OFF/bilevel/trilevel	
	Synchronization signal output	Output level	HS.VS : More than 2V (75Ω) CS : 0.3V (±0.3V at trilevel output) (75Ω)
		Output control	ON/OFF, NEGA/POSI
	VBS,S-terminal output	Output signal	NTSC, PAL, SECAM
		Image level, SYNC level and timing complied with each standard. (Timing level fixed) * Frequency property depends on property of IC. (75Ω)	
Inside generation audio		0(OFF) to 20KHz(Variable):Analog output and HDMI output,Two types	
DVI output (DVI-connector)		Single link 25MHz to 165MHz	
HDMI output (Type A connector)		Image : Dot clock 25 to 225MHz(pixel clock 25 to 165MHz), RGB / YCbCr Audio : 32KHz, 44.1KHz, 48KHz, 96KHz, 192KHz(2ch) (supporting digital audio, analog audio input terminal, not including SACD)	
	External input audio	Digital : COAX, TOSLINK Analog : 2ch	
External interface		RS-232C, 10/100BASE-T/TX, Remote box RB-1848	
General specifications	Voltage	AC100 - 120V / AC200 - 240V 50/60Hz	
	Power consumption	Max.80W	
	Operating temperature range	+5 to 40°C	
	Storage temperature range	-10 to 60°C	
	Operating humidity range	30 to 80% RH (no condensation)	
	Dimensions	370(W) x 73(H) x 320(D) mm (excluding projected parts)	
	Weight	Approx. 5.5kg	

