Programmable Video Signal Generator

VG-828-D

Contact us: ASTRODESIGN,Inc. http://www.astrodesign.co.jp

HDCP

| ANALOG 5~250 MHz | DIGITAL 1/1 5~100 MHz | DIGITAL 1/2 10~200 MHz |

Supports all video signals whether analog or digital up to 250MHz!
Supports HDCP!

VG-828-D is a Programmable Video Signal Generator capable of standard generating output including analog (RGB / color difference of synchronized 2 value / 3 value), parallel RGB digital up to maximum 8 bits, low voltage serial digital (panel link or LVDS), and NTSC / PAL. It is the most advanced model loaded with compatible features for operation with existing or conventional models, whether analog or digital.By using the standard program management software supporting Windows, timing and patterns can easily be set and registered. Also features are provided to allow users to freely create patterns, and register natural pictures with 16.77 million colors.Additionally, an optional HDCP function can also be used. These efficient features provide output, independent of display devices, thus can be used in the development, production, and inspection of video related units.

Features

● Analog signals for RGB/color difference (switching; various standards supported), bilevel synchronization/trilevel synchronization (switching; various standards supported) can be used. NTSC/PAL (switching) composite and Y/C output are provided.
● Parallel RGB and low-voltage serial (either of panel link or LVDS) digital signals are outputted.

● By using a special cable, terminal D can be supported.
● Memory card is employed for registration of program data. When using a memory card, conditional output data can be individually set for analog and digital signals, and conventional panel ROM can also be utilized.
* Extensive features are available only when memory card is installed.
● Panel link output supports dual link (Max260MHz).
● Sync ON/OFF can be manually selected with a panel key.
● Output video level can be manually set in real time.
● USB/RS-232C is employed for PC interface.

specifications

Output specifications	Dot clock frequency	Analog 5.00 to 250.00MHz Digital 1/1 clock mode 5.0 to 100.0MHz, 1/2 clock mode 10.0 to 200.0MHz
		Serial output Performance of installed devices (Please contact us.)
	Horizontal timing	10 to 130KHz, Max.8192 dots (1 dot accuracy for full range)
	Vertical timing	15.5 to 200Hz, Max. 8192 lines
	Video memory	4096 dots × 4096 dots × 24 bits (RGB 8 bits for each)
Analog output	Output signals	R, G, B/Y, R-Y, B-Y, HS, VS, CS (HS, VS and CS can be driven by TTL)
	Video signal output level	0.3 to 1.0V (75Ω)
	Setup level	0 to 0.25V (75Ω)
	Composite video sync signal level	0 to 0.5V (75Ω)
	Sync signal output level (HS, VS, CS)	2V or higher (75Ω)
	Equalizing pulse	ON/OFF selectable
	Serration pulse	OFF/0.5H/1H/XOR selectable
	Scanning	Progressive, interlace & Sync, interlace & Video
	NTSC/PAL output signal	Composite, S terminal
	D terminal supported	Output ID signal for D terminal . Supports D terminal using a special cable.
Digital output	Parallel output	8-bit for each of R.G.B., HS, VS, CS, DISP, CLK, SW0, SW1 (5/3.3V switchable) (Half pitch 68 pin × 2)
	Serial output	Panel link 8-bit for each of R.G.B., HS, VS, CS, DISP, CLK, SW0, SW1 (Dedicated connector)
		LVDS 8-bit for each of R.G.B., HS, VS, CS, DISP, CLK, SW0, SW1 (Dedicated connector)
External interface		USB, RS-232C Remote box (RB-614C, RB-649)
General specifications	Voltage	AC100 to 120V/200 to 240V (50/60 Hz)
	Power consumption	Max. 200W
	Operating temperature range	5 to 40 °C
	Strage temperature range	-10 to 50 °C
	Operating humidity range	30 to 80 %RH (no condensation)
	Dimensions	430(W) × 88(H) × 430(D) mm (2U/excluding projected parts)
	Weight	Approx. 8kg

Rear View   **VG-828-D**