

# VG-852

Programmable Video Signal Generator for LCD/Flat Panels



## Up to 100 MHz Digital Output

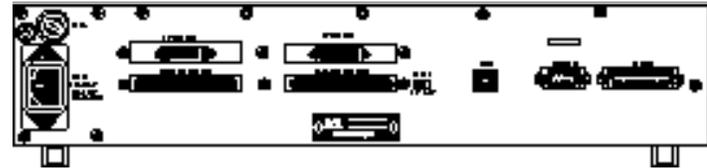
VG-852 is a top-of-the-line digital output signal generator, added with new features while maintaining upward compatibility with conventional models including VG-825 and VG-826A. The RGB parallel outputs (TTL/LVTTL) up to 8 bits and low-voltage serial (panel link or LVDS) outputs are provided. By using the standard program management software supporting Windows 95/98, timings and patterns can be easily set and registered. Also features to allow users to create patterns freely, and to register natural pictures (bitmap, JPEG) as a pattern are provided. Furthermore, the unit contains more than 100 types of preset timing/pattern data, and main signals can be created by using these preset timings and/or patterns. With these efficient features, the unit proves to be an exceptionally useful tool in development, production, inspection of display units with digital interface, including LCD, PDP, LED and EL.

### ¥Features

- ¥ The dot clock is 100 MHz in the parallel output 1/1 clock mode, 200 MHz broad band in the 1/2 clock mode.
- ¥ Parallel RGB and low-voltage serial (either of panel link or LVDS) digital signals are outputted.
- ¥ Memory card is employed for registration of program data. The number of programs is dramatically increased.
- ¥ User patterns using program languages can be created.
- ¥ Conventional panel ROM can also be used as an upper compatible capability.
- \*Extensive features are available only when the memory card is installed.
- ¥ A wide range of sample program data are contained.
- ¥ Output video level can be manually set in real time.
- ¥ USB/RS-232C is employed for the PC interface.



### ¥Background view



## SPECIFICATIONS

<b>Output specifications</b>	Dot clock frequency	Parallel output	1/1 clock mode	5.0 to 100.0MHz (in units of 1 dot)	
			1/2 clock mode	10.0 to 200.0MHz (in units of 2 dots)	
		Serial output	Performance of installed devices (Please contact us.)		
		Horizontal timing	10KHz or higher, 4096 dots Max.		
		Vertical timing	15.525 Hz or higher, Max. 4096		
		Video memory	8192 dots x 4096 dots (Character plane)		
			4096 dots x 2048 dots x 8 bits (bitmap)		
	Parallel output (half pitch 68 pin x 2)	8-bit for each of R.G.B., HS, VS, CS, DISP, CLK, SW0, SW1 (5/3.3V switchable)			
	Serial output (Dedicated connector)	Panel Icing	8-bit for each of R.G.B., HS, VS, CS, DISP, CLK, SW0, SW1		
		LVDS	8-bit for each of R.G.B., HS, VS, CS, DISP, CLK, SW0, SW1		
<b>External interface</b>		USB, RS-232C			
		Remote box (RB-614C, RB-649)			
<b>General specification</b>		Voltage	100 to 120V, 200 to 240V (50/60Hz)		
		Power consumption	200W Max.		
		Operating temperature range	5 to 40°C		
		Storage temperature range	-10 to 50°C		
		Operating humidity range	30 to 85 % (no condensation)		
		Dimensions	430(W) x 66(H) x 430(D) mm (excluding projected parts)		
		Weight	8 Kg		