

# VG-812

Portable Video Signal Generator



## Up to 120 MHz, B5 Sized Best-seller Portable Model

VG-812 is the industry record-smallest B5 sized, compact, lightweight and low-cost portable video signal generator that maintains compatibility with analog output VG series (panel ROM) brought by Astro's unique gate array. Currently the unit supports the band corresponding to the general 64 KHz timing display monitor for EWS, and the unit can be widely used in various sites such as research and development departments, production line and/or service departments.

### ¥Features

#### ¥ High cost performance

Dot clocks up to 120 MHz are supported. Compactness, low price, low power consumption are realized while providing high capabilities, by installing a gate array.

#### ¥ Simplified operation

Very simple to operate; select a program No. and press the Execute key.

Operations similar to those with the upper models are available by using a remote box (RB-614C, optional) and operation box (RB-647, optional).

#### ¥ A wide variety of inspection patterns

Basic patterns (11 types including character, crosshatch, circle, color bar, gray scale, etc.)

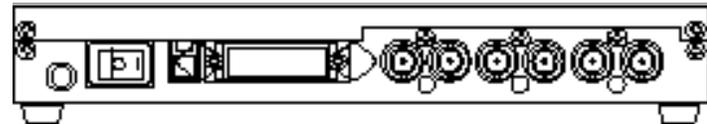
supported by conventional features and special patterns (approx. 30 patterns preinstalled) can be used in the same manners.

#### ¥ Internal sample timing data

In addition to timings registered on the panel ROM, typical computer timings (40 types preinstalled) in a VG can be used to output patterns.



### ¥Background view



## SPECIFICATIONS

<b>Output specifications</b>	Dot clock frequency	Analog 5.00 to 120.00MHz TTL 5.0 to 37.5 MHz
	Horizontal frequency	10 to 130KHz, Max. 8192 dots (Adjustable in units of 4 dots)
	Vertical scan lines	Max. 8192
	Video memory	2048 dots x 2048 dots
	Video signal output level	0.30 to 1.20 V Setup value can be switched between On and OFF using RS343A ratio.
	Sync signal output level (HS, VS, CS)	2 V or higher (75 $\Omega$ )
	Identification pulse	ON/OFF selectable
	Serration pulse	OFF/0.5H/1H/XOR selectable
	Composite video sync signal	ON/OFF selectable only for G (level using RS343A ratio.)
	Scan	Non-interface, interface & Sync, interface & Video
	Analog output (BNC)	R, G, B, HS, VS, CS (HS, VS and CS can be driven by TTL)
	TTL output (57 connector 24 pin)	R, G, B, RHT, GHT, BHT, HS, VS, CS, HD, VD, CLK
<b>External interface</b>		RS-232C (Need for AD-654 option)
		Remote box (RB-614C)
<b>General specification</b>	Voltage	Automatic switching between 85 to 130 V and 170 to 250 V, (50/60 Hz)
	Power consumption	30 W Max.
	Operating temperature range	5 to 40°C
	Storage temperature range	-10 to 50°C
	Operating humidity range	20 to 90 % (no condensation)
	Dimensions	250(W) x 37(H) x 180(D) mm (excluding projected parts)
	Weight	1.8 Kg