

# ASTRO Video Signal Generator

Supports video signals analog / digital up to 250MHz. HDCP.

## VG-828D

### Features

Analog signals for RGB/color difference (switching; various standards supported), 2-level synchronization/3-level synchronization (switching; various standards supported) can be used. NTSC/PAL (switching) composite and Y/C output are provided.

- Parallel RIB and low-voltage serial (either of panel link or LADS) 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 5.0 to 250MHz Digital 1/1 clock mode 5.0 to 100.0MHz Digital 1/2 clock mode 10. to 200MHz(Serial output) Performance of installed device (Please contact us)
	Horizontal timing	10 to 130KHz. 8192 dots Max. (Accuracy can be set for all the area in unit of 1 dot)
	Vertical timing	15.5 to 200.0Hz Max 8192
	Video Memory	4096dots × 4096dots × 24bits(RGB 8 bits for each)
Analog output	Output signals	R,G,B,B/Y,R-Y,B-Y,HS,VS,(HS,VS and CS can be driven by TTL)
	Video signal output level	0.30 to 1.00V(75Ω)
	Setup level	0.00 to 0.25V(75Ω)
	Composite video sync signal level	2V or higher(75Ω)
	Identification pulse	ON/OFF selectable
	Serration pulse	OFF/0.5H/1H/XOR selectable
	Scan	Non-interlece, 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	Paralel output
Serial output		Panellink 8-Bit for each of RGB,HS,VS,CS,DISP,CLK,SW0,SW1 (Dedicated connector) LVDS 8-Bit for each of RGB,HS,VS,CS,DISP,CLK,SW0,SW1 (Dedicated connector)
External interface		USB, RS-232C Remote Box(optional RB-614,RB-649)
General specification		
Power Voltage		AC100 to 120/200 to 240V (50/60Hz)
Power consumption		200W Max.
Operating temperature range		5 to 40 degrees centigrade
Operating humidity range		30 to 80%RH (on condensation)
Dimension		430(W)×88(H)×430(D)mm
Weight		approx. 8kg



VG-828D 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 1,677 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.

Rear view:

