



# MULTIMEDIA PATTERN GENERATOR

## GV-242

If you're testing **digital** or **analog** computer monitors, video projectors, TV's, Flat Panel Displays (TFT and Plasma) or multimedia monitors, the **GV-242** multimedia pattern generator provide the signals, test patterns and audio to do your job, easily and accurately.

Field technicians and factory people on the move will appreciate the convenience of battery power and small size. The **GV-242** multimedia pattern generator is designed to go where you go.

- **Analog and digital video signals**  
Output VESA, NTSC, PAL, HDTV, and DVI video signals.
- **Custom formats**  
Create your own video formats.
- **Compact size**  
The **GV-242** units are truly handhelds.
- **Battery operation**  
Use rechargeable batteries or AC power.
- **Service Center patterns**  
The patterns used by most Service Centers are built-in.
- **Circles**  
Use circles to test linarity.
- **Learn monitor**  
Read the supported formats from the monitor, without guessing formats.
- **Built-in audio**  
Test audio channels of video projectors and multimedia monitors.
- **Video Generator Manager**  
MS Windows-based user interface for creating formats and test sequences.
- **Custom test sequence**  
Define sequences of images and video formats for repetitive testing.
- **Color sensor support**  
Connect to color sensor to adjust white balance.
- **Affordable**  
Low-cost and versatile test solution.
- **Easy firmware updates**  
Install product updates yourself in the field.
- **Intuitive user interface**  
Easy to navigate drill-down menus.
- **Autocalibration included**



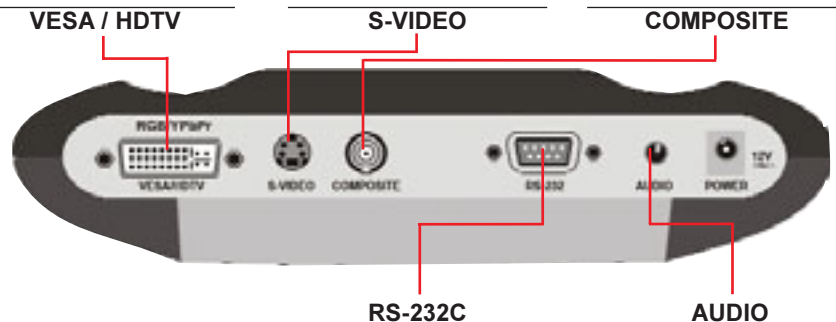
**MOBILE, VERSATILE,  
AFFORDABLE**



DTV:  
- SDTV, HDTV (RGB, YPbPr)  
Analog TV:  
- NTSC / PAL  
Computer:  
- VESA (RGB)  
- DVI (Single link 75 MHz)  
DVI-I to VGA adaptor included

Analog TV:  
- NTSC / PAL

Analog TV:  
- NTSC / PAL



Copy formats and firmware updates from PC

Signals:  
- Two channels  
Frequency:  
- 1 kHz / 2 kHz tone (L / R)  
Connector:  
- Mini phone jack, stereo



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SPECIFICATIONS	GV-242
<b>Formats</b>	
Storage	126 total
Built-in	VESA, DVI, NTSC/PAL, HDTV/SDTV-RGB, HDTV/SDTV-YPbP
Edit method	MS Windows-based Video Generator Manager (VGM)
<b>Images</b>	
Standard	Flat_Wht, Flat_Red, Flat_Grn, Flat_Blu, Grid, Rev_Grid, Overscan (with circles), Raster (no video), Cutoff, Window, Focus, ColorBar, GrayBar, Regulate, Checker, Dot_12, SMPTEBar, Ramp, PulseBar, Burst
Gray levels	16
Colors displayed	16
<b>Test Sequence</b>	
Storage	100 steps
Edit method	VGM
Parameters	Format, image, duration (0.1 sec. to 24 hours)
<b>Horizontal Timing</b>	
Frequency	1.5 kHz - 250 kHz
Total pixels	32 to 4095
Active range	16 to 4094 pixels
<b>Vertical Timing</b>	
Frequency	1 Hz - 1 kHz
Active lines	1 - 4095
Sync types	Separate, digital/analog composite
Scan types	Progressive, Interlace, HDTV
<b>User Interface</b>	
Display	20 x 4 character LCD with backlight
Controls	Intuitive drill-down menus
<b>Computer Port</b>	
Type	RS-232C, 9 pin D-Sub receptacle
Purpose	Copy formats and firmware updates from PC
<b>Color Sensor Support</b>	
Description	Display data from a color sensor for white balance adjustment
<b>DDC (Display Data Channel)</b>	
Description	Read a monitor's EDID data and display the manufacturer's supported formats
Version	DDC-2B (read only)
<b>Power</b>	
DC	6 AA NiMh batteries included
Battery life	8 hours between charges with NiMh
AC	Charger/generator power supply
Charge time	8 hours
Frequency	50 to 60 Hz
Voltage	100 - 250 VAC (auto-select)
<b>Mechanical features</b>	
Dimensions	H. 210 x W. 45 x D. 152 mm.
Weight	700 g

