

Analogue and Digital TV Generator



- ▶ Test Signal generation in MPEG-2, SPI or ASI format
- ▶ The Test Signal contains valid audio and video programs
- ▶ External analogue and digital audio / video inputs
- ▶ Moving MPEG-2 video pattern generation
- ▶ MPEG logos
- ▶ RS-232 remote operation
- ▶ Multi-standard and multi-system analogue TV signals

The **GV-998** is an **analogue** and **digital TV signal generator**. In analogue mode, it's a very flexible multi-standard, multi-system instrument with the same performance as the **GV-898+**. In digital mode, thanks to its **TS outputs** (Transport Stream) in **MPEG-2** format, is perfect for manufacturing, verifying and maintaining all kinds of digital TV receivers.

The instrument's output signal meets the DVB (**DVB-PI**) specifications and can be applied to **QAM**, **QPSK** and **COFDM** digital modulators.

The system has **external audio / video analogue inputs**. These are converted to CCIR 656 and I2S format and multiplexed with standard patterns; they are then applied to the MPEG-2 encoder to generate the TS output. The instrument is microprocessor controlled, handling both the user interface and internal circuitry. Among other features, it's capable of altering the transmitted data stream format and can be controlled with a personal computer.

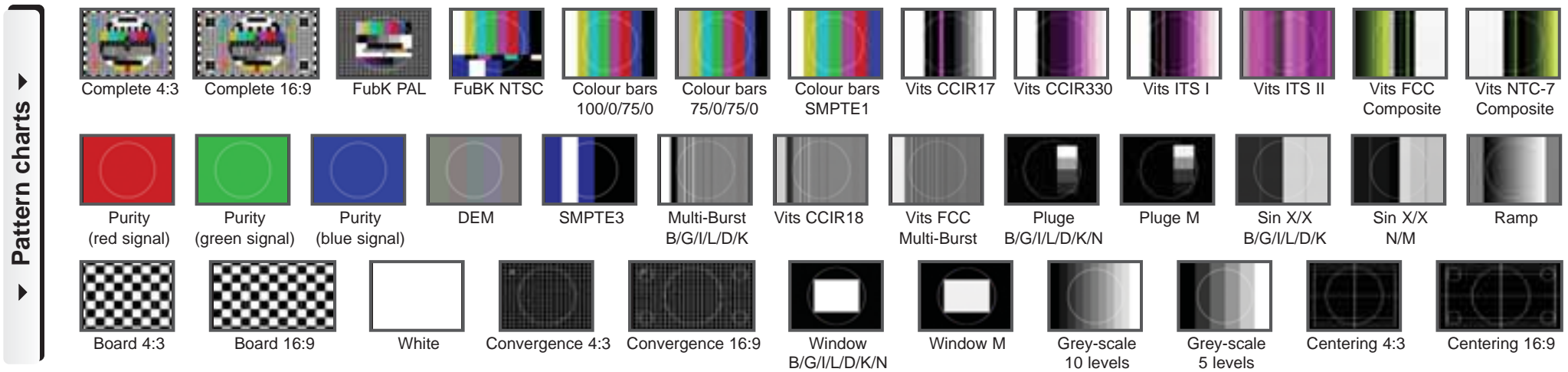
▼ 37 Charts ▼

Programmable
TS bitrate
4:3 and 16:9 formats
Electronic circle
for all patterns
MPEG-2 logos

▼ Outputs ▼

RF
YPbPr
TS MPEG-2
RGB
S-VHS
SCART
Sync
Blackburst
Composite video

With MPEG-2 TS Output



SPECIFICATIONS	GV - 998	Teletext	Index page and 4 data pages in 4 different languages									
System & Standard	PAL B/G/D/K/I/M/N, SECAM B/G/D/K/L, NTSC M	Colour Logotypes	2 independent, positionable logos; analogical & MPEG									
Video Carrier Resolution Tuning	50 kHz By channels or by frequency (CCIR, STDL, OIRT, FCC)	Audio Mono Dual-Stereo Zweiton Dual-Stereo NICAM	AM-FM-NICAM modulation B, G, D, K, M systems B, G, L, I, D, K systems									
Pattern charts	37	Inputs	Video & Audio									
Front panel outputs RF Output level Frequency range	80 dBµV, attenuation up to 60 dB in 1 dB steps 35 to 900 MHz VSB modulated	PDC (Program Delivery Control) Systems Content	PAL B/G/I/D/K, ON/OFF selectable Selectable START, STOP and PAUSE; time, country									
MPEG-2 Outputs Bitrate Video Audio	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">SPI</th> <th style="width: 50%;">ASI</th> </tr> </thead> <tbody> <tr> <td>TS parallel</td> <td>TS serial ASI</td> </tr> <tr> <td colspan="2" style="text-align: center;">VBR for MPEG; CBR for TS</td> </tr> <tr> <td>ISO/IEC 13818-2 MP@ML</td> <td rowspan="2">DVB-ASI EN/ISO/IEC 13818-1</td> </tr> <tr> <td>ISO/IEC 11172-3 (MPEG audio) Layer 1/2 - 44.1 kHz</td> </tr> </tbody> </table>	SPI	ASI	TS parallel	TS serial ASI	VBR for MPEG; CBR for TS		ISO/IEC 13818-2 MP@ML	DVB-ASI EN/ISO/IEC 13818-1	ISO/IEC 11172-3 (MPEG audio) Layer 1/2 - 44.1 kHz	VPS Systems Content	PAL B/G/D/K selectable ON/OFF Selectable START, STOP and PAUSE; time, country
SPI	ASI											
TS parallel	TS serial ASI											
VBR for MPEG; CBR for TS												
ISO/IEC 13818-2 MP@ML	DVB-ASI EN/ISO/IEC 13818-1											
ISO/IEC 11172-3 (MPEG audio) Layer 1/2 - 44.1 kHz												
Composite video	BNC connector, 1 Vpp voltage, 75 Ω impedance	WSS (Wide Screen Signaling) Systems Country	PAL B/G/I/D/K Eight combinations for 4:3,14:9 and 16:9 formats									
Rear panel outputs Blackburst RGB YPbPr S-VHS Synchronisms SCART	75 Ω, negative polarity, BNC connector 75 Ω, 0.7 Vpp amplitude, BNC connector 0.7 Vpp amplitude, BNC connector 75 Ω, 1.3 Vpp amplitude (lum.) - 0.3 Vpp (chrom.) CS, horizontal pulse, vertical pulse	Power supply Mains voltage Consumption	110-125-220-230/240 V AC ± 10%, 50-60 Hz 40 W									
		Mechanical features Dimensions Weight	W. 288 x H. 102 x D. 307 mm 5.8 kg.									