

Microvideo

DIGITAL REFERENCE GENERATOR

The Microvideo digital generator is specially designed as a reference source for digital video installations. All the patterns required for fault finding and checking digital systems are provided. Also we have included EDH coding on all test patterns for constant monitoring of your routing network.

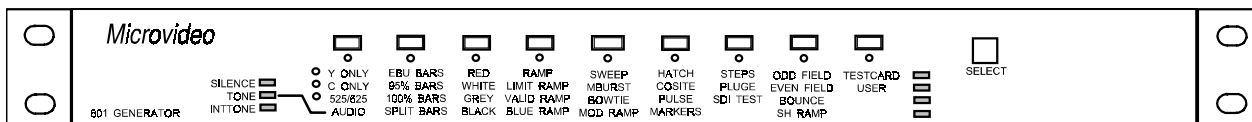
Features :

- Serial (270Mb/s) Digital Video output.
- Up to 32 component digital video test patterns.
- Embedded Audio Tones (1KHz, 400Hz, interrupted tones and digital silence)
- In picture EDH Error Detection coding according to SMPTE RP165
- Simple single key per pattern operation.
- 625 or 525 line operation
- Y only or C only may be selected.
- Genlock to analogue video with loop through
- Full H phase adjustment.
- Remote operation using RS232

Patterns include :

100% Colour bars	95% Colour bars	EBU bars	Split bars with red	SMPTE bars
Staircase 5 step	Y Freq sweep	UV Freq sweep	Crosshatch	White Screen
Black Screen	Safe area	Limit ramp,	Valid ramp	Shallow ramp
Pulse & Bar	Cosite	Multiburst	Bowtie	Pluge
Blue ramp	Spluge	Bounce	Edge markers	
Pathological test signals for Serial interfaces.		Digital grey (gives max bit changes at 27Mhz)		
Odd field white and Even field black,		Full Frame Test Card		

Custom Test Patterns specified or supplied to Microvideo can be programmed into the Generator



Output : 2 x SDV(270Mb/s) as per EBU Tech 3267-E and SMPTE259M
with EDH as per SMPTE RP165 and Embedded Audio as per SMPTE272M-A

Inputs : 1 x Analogue Genlock input (with loop through)
+/- 2 uS approx timing adjustment via pot on rear panel

Physical : 1U rack mouting unit, 240/220V (or 110V) AC operation.

Product Codes :

GEN-S10	Test Pattern Generator in 1U frame, with front panel and 2 x SDV out
option - B	Second set of 2 x SDV outputs, which can be the selected pattern or digital black.
option - DA	Built in Distribution Amp, providing up to 4 x SDV(270Mb/s) outputs
option -SDC	Built in SDV to PAL/NTSC module, providing Analogue PAL/NTSC output

Associated Products :

GEN-BB Low cost black and bars unit for SDV(270Mb/s)

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Data sheet ref -gen-ds2.dtp