Microvideo

DIGITAL BARS GENERATOR (GEN-BB)

The Microvideo GEN-BB is designed to provide a low cost source of colour bars for digital video installations. It provides two SDV outputs of colour bars and two outputs of digital black. There is the option of embedded audio tones and EDH coding on the Bars output.

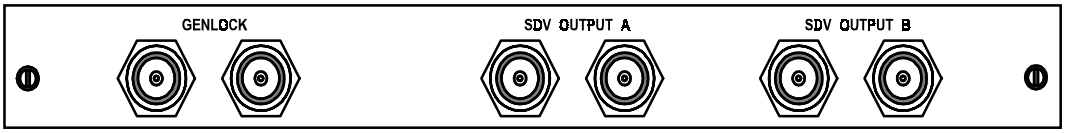
While primarily designed for colour bars, the unit can be set up (factory setting) to produce any standard test signal on the output (see full Generator, GEN-S10, for list of patterns). The patterns are stored in EPROM in both 625 and 525 formats. Any customer pattern can be programmed at the factory for a small handling charge. This may be used to put an ident or logo onto the bars.

The unit has a blank front panel

Outputs : Output A :
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.
Embedded tones : Channels 1 & 2 are 1KHz, 3 & 4 are 400Hz.

Output B :
2 x SDV(270Mb/s), these may be set to either colour bars or digital black.
(note : in digital black, embedded audio remains the same as output A ie. tones)

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



Genlocking
The digital outputs may be timed to an external analogue reference. The genlock input will accept any 1V video signal that includes syncs, or 2V p-p mixed syncs. The line standard of the reference must be the same as the generator is set to. A loop through of the genlock is also provided.

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

Product Codes :

GEN-BB	Low cost black and bars unit for SDV(270Mb/s)
option - SDC	Built in SDV to PAL/NTSC module, providing Analogue PAL/NTSC output
option - 2BB	Second Generator module providing different pattern or black with embedded silence.

Note : When ordering please specify the type of Bars required (eg. 75%) and the line standard (525/625).

Associated Products :

GEN-S10	Full Test Pattern Generator in 1U frame, with front panel and 2 x SDV out

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