

Hamlet Digi Gen™

Rack Mountable High Definition SDI Video Signal Generator



The Hamlet Digi Gen Axiom is a rack mountable High Definition SDI video and audio generator. Using leading edge technology Hamlet has produced a compact, low power, 10 bit, HDTV digital test signal generator which complies with the SMPTE 292M serial interface. It produces full broadcast quality video outputs in 13 formats as listed below, together with embedded audio line up tone.

Standards covered:

SMPTE 274M:

- 1080 lines 60 Hz Interlaced (30 Hz PSF)
- 1080 lines 59.94 interlaced (29.97 Hz PSF)
- 1080 lines 30 Hz Progressive
- 1080 lines 29.97 Progressive
- 1080 lines 48 Hz Interlaced (24 Hz PSF)
- 1080 lines 47.96 interlaced (23.98 Hz PSF SONY)
- 1080 lines 24 Hz Progressive
- 1080 lines 23.98 Progressive
- 1080 lines 50 Hz Interlaced (25 Hz PSF)
- 1080 lines 25 Hz Progressive

SMPTE 296M:

- 720 lines 60 Hz Progressive
- 720 lines 59.94 Hz Progressive
- 720 lines 50 HZ Progressive

This product contains proprietary patented designs.

Features and Functions

- 16 test patterns: 100% Bars, 75% Bars, Split Bars, Bowtie, Sweep, Pluge, Multi, Pulse & Bar, Modulated Steps, White Screen, Red Screen, Convergence, Split equaliser/pll test pattern, Ramp, Limit Ramp, Optional pattern*.
- Individual enabling of Y and C components.
- Embedded audio on any of the four groups.
- User defined 16 character ident scrollable
- Selection of tone, silence or no audio packets.
- Selection of channel ident.
- All settings stored on power down.
- 110 –240V mains powered IEC connector.

* Features available as options
(see options list below)

TECHNICAL SPECIFICATION

OUTPUTS

Serial digital 1x BNC connectors. Output impedance 75 ohms. SMPTE 292, serial component. 800mV pp.
Full 10 bit pattern generation.
Embedded audio tone is a 1KHz asynchronous sine wave at a level of -18dBFS.

POWER

Current draw is 600mA.
Mains supply 240-110VAC +/-20% 50/60Hz 10VA max.

ENVIRONMENT

Indoor use, 5 to 45 deg.C. Ambient to 2,000m.
Max humidity 80% to 31 deg.C decreasing to 50% at 40 deg.C.
Overvoltage category 2. Pollution degree 1.

PHYSICAL

DIMENSIONS: - 490mm x 250mm x 45mm.

WEIGHT: - 3Kg.

WARRANTY: - 1 Year.

Extendable free on registration: - To 2 Years

ORDERING INFORMATION

DIGI GEN Axiom - R

Rack mountable high definition HD SDI 292 generator with 16 test signals including, with Embedded, 16 Character Alpha / Numeric Ident scrollable.

* Features available as options (see options list below)

OPTIONS

Digigen - CP

Customised pattern

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