

Hamlet Protean™

Axiom

Hand Held Portable High Definition SDI Video and Audio Signal Generator



The Hamlet Protean Axiom is a small high definition SDI video and audio generator. Using leading edge technology Hamlet has produced a compact, low power; hand held, HD SDI video and embedded audio generator, 13 standards, and 16 fully compliant SMPTE 292M SD interface test signals. Plus 64 character alphanumeric generator, with moving ident.

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 64 character ident .
- Selection of tone, silence or no audio packets.
- Outputs on Ch1, Ch2 or both.
- Selection of channel ident.
- All settings stored on power down.
- Dimensions: 160mm x 95mm x 36mm .
- External power: 6Vdc @ 900mA.
- Internal batteries: 1hr between charges.

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

* Features available as options
(see options list below)

This product contains proprietary patented designs.

TECHNICAL SPECIFICATION

OUTPUTS

Serial digital 2 x 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

External 6Vdc +/-0.5V regulated @ 0.9A.
Current draw is 1A if charging as well. 100mA if charging only.
Charging time 16 hours max.
2.1mm power connector, centre negative.
Mains supply adapter 220/110VAC +/-20% 50/60Hz 10VA max.
Internal 600mA hour NiMh batteries with integral charger.

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: - 9 x 16 x 3.5 cm.

WEIGHT: - 500g.

WARRANTY: - 1 Year.

Extendable free on registration: - To 2 Years

ORDERING INFORMATION

Protean Axiom

High Definition (HDTV) hand held signal generator Includes 13 x HDTV, SMPTE 292M standards with 16 x test patterns, "Real time" moving MP signal path test embedded audio & 64 Character Alpha / Num Ident.

* Features available as options (see options list below)

Options

PROT - CP	Customised patterns
PCC-1	Universal carry case

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