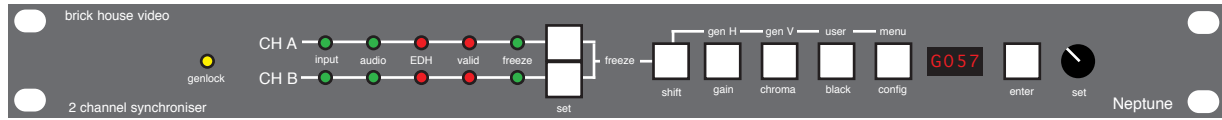


dual channel...



...SDI synchroniser

Dual SDI frame synchronisers in 1RU with input format options

- Low cost, high specification and feature rich
- Analogue and digital input options for flexible signal acquisition
- SDI and analogue composite outputs
- Intelligent switch to eliminate disturbances in dual path applications
- Proc Amp and internal TSG
- Embedded audio synchroniser and processing options
- Industry standard control interface for automation

Neptune comprises two fully independent SDI framestore synchronisers in a 1RU chassis. In addition to the standard 10 bit SDI inputs, a range of other analogue and digital input formats is available as options to allow flexible signal acquisition. Outputs are SDI and composite analogue (monitoring) as standard.

The unit can be user configured as two fully independent channels or as an intelligent switch that selects the 'best' input according to user selected criteria. In dual (redundant) path applications, the dual frame architecture enables a disturbance-free transition from a failing signal to a good signal.

There are comprehensive local controls for signal levels and timing adjustments as well as an industry standard control interface for remote and automation applications. Embedded audio synchronisers and level adjustments are available as an option in addition to the standard 'transparent' audio processing features.

The unit can operate as a stand alone or genlocked to station reference. There are also internal test signal and source ident insertion facilities.

This low cost, compact and flexible dual channel synchroniser is designed for use in a wide range of studio, edit suite, OB and transmission environments, and is available at a very competitive price.

Neptune Technical Specification

The specification is given per channel; each Neptune contains two discrete synchroniser channels

SDI Input	SDI 270Mb/s (525/625) SMPTE 259M 75 Ohm BNC
Composite input option	Analogue Composite NTSC / PAL 1 Vp-p, 75 Ohm BNC
Video outputs	1 x SDI 270Mb/s SMPTE 259M 75 Ohm BNC Connectors 2 x Auxiliary switched SDI in/out 270Mb/s SMPTE 259M 75 Ohm BNC Connectors 2 x Analogue Composite NTSC / PAL 1 Vp-p, 75 Ohm BNC Connectors
Video proc amp	Video Gain Adjustment: ± 6 dB Chroma Gain Adjustment: +6dB to Zero Black Level Adjustment: ± 20 IRE; Pedestal
Precision	10 bit SDI and composite input decoders (8-bit composite outputs)
Synchroniser Range	Infinite Window
Genlock Adjustment	Up to 1 Frame (H & V Adjustment)
Genlock input (common)	Black & Burst reference input 1 Vp-p, 75 Ohm BNC Loop through
Size	1RU x 250mm deep
Power consumption	100-263 V a.c. 20W