

Switchers



Callisto-P: Rear view

Callisto-P™

Portable 6-input self-contained switcher with universal power supply

Callisto-P

Specifications

A fully-featured low cost SDI/analog switcher
Other features include

- *Full specification 270Mbit SDI video switcher; 10-bit digital precision throughout
- *Simultaneous program and preview SDI and analog composite outputs
- *Single-layer DSK/chroma keyer with key/fill inputs and program clean feed
- *Auto/manual dissolves and wipes with auto fade to black
- *Dual framestore synchronizers; genlock SPG
- *'Hot-Cut' live program bus cut feature
- *Industry-standard editor and automation protocol
- *Full embedded audio & VBI processing option
- *GPI and RS422 remote ports; source ident
- *Analog composite inputs option

Callisto is a broadcast specification (SMPTE-259M) 270 Mbit video switcher with DSK/chroma keyer designed for studio, edit suite and transmission applications. Callisto can handle fully asynchronous (unlocked) inputs in a mixed signal format (SDI and analog) environment.

The program and preview outputs are available as both SDI and analog composite with 10-bit processing throughout. There are two SDI auxiliary switched outputs for monitoring and routing, and switchers fitted with the composite input option also have a separate composite switched output. The incoming sources can be asynchronous as Callisto features dual channel framestore synchronizers. The switcher will operate in stand-alone mode, or may be genlocked to an external reference. A line store (minimum delay) mode is also available via the set-up menu.

Operationally, Callisto works in conventional program/preview bus mode. Installed functions include manual and auto wipe (multiple patterns with normal/reverse, color border and soft edge), manual and auto dissolve, and auto fade to black. A new feature is the Hot-Cut function, which allows the operator to make cuts directly on the program bus without the freeze-frame commonly associated with asynchronous switchers. Callisto is dual standard 525/625 and offers 4:3 or 16:9 (letterbox) blanking. In conjunction with the Callisto-C control panel, the extensive menus allow the user to tailor the operational modes to suit individual requirements. An internal TSG provides EBU bars and other test signals and source ident can be inserted.

Inputs	SDI component x 6 including SDI DSK key/fill Analog composite x 6 (or 4 + 2 x Y/C)
Outputs	Genlock composite loop-through Program SDI and composite Preview SDI/Clean feed and composite Program Y/C Separately switched auxiliary SDI input monitoring x 2 Composite source monitoring Adjustable (±127 lines) composite sync
Dimensions	300mm (11.8") wide x 160mm (6.3") deep x 72mm (2.8") high at rear
Power requirements	Callisto-P: 10-14V @ 22W (universal power supply included)

Callisto also features a DSK/chroma keyer with fully synchronizing SDI inputs for external 'Key' and 'Fill' and a 'clean feed' (pre-DSK) program output. Optional analog composite decoders allow signal acquisition in mixed format environments (SDI digital and analog) without compromising any of the units other features. This allows the switcher to be used efficiently in today's transitional environment while retaining the necessary specifications and features for the all-digital world of tomorrow. The shift function allows the user to switch formats on any input channel between transitions. Callisto can be controlled via industry standard editor protocols GVG-100 and GVG-M2100, and has a full complement of assignable (take/ftb/source select) GPI functions and GPI high-current output drivers.



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