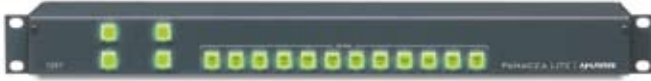


# Panacea™ Clean/Quiet Switch

Dual-Channel Clean and Quiet Routing Switcher with Integrated Relay Bypass



Panacea™ Clean/Quiet Switch is the industry's most powerful dual-channel clean video with discrete or embedded audio routing switcher — providing more features, functions and signal outputs than any similar product available today.

## Two Clean and Quiet Outputs

The Panacea Clean/Quiet Switch provides two clean and quiet outputs for SDI and HD-SDI signals with embedded or discrete audio, along with six additional auxiliary busses to be used for utility routing. This unique feature permits routing of SDI and HD-SDI signals simultaneously in an HD-SDI wideband version of the clean switch, allowing full use of your clean switch investment while transitioning from SDI to HD-SDI. The two copies of both clean outputs can be combined with flexible partitioning options of the 16 inputs to fit any multiformat application.

## Auxiliary Output Busses

Six auxiliary outputs are available for preview of both clean outputs, as well as additional outputs for secondary destinations.

## Full, Embedded Audio Control

In addition, embedded audio quiet switching has been added to provide clean and quiet switching. Full control of the audio levels, audio fade options and channel assignment is provided for complete management of your embedded audio content.

## Transitions for Video and Embedded Audio

A variety of video transitions with variable transition rates are available including dissolve, "V" fade, cut-fade, fade-cut and cut.

## SPECIFICATIONS

Specifications are subject to change without notice.

### Power Consumption

16X8 (2 Clean, 6 Auxiliary) . . . . . 50 W

Temperature . . . . . 32° to 158° F (0° to 55° C)

### SDI, HD-SDI

Number of Inputs . . . . . 16

Input Connector . . . . . 75 ohms, BNC per IEC 169-8

Signal Type . . . . . SMPTE 259 M and SMPTE 292 M

Maximum Input Level . . . . . 1200 mV

Return Loss . . . . . Better than -20 dB (5 to 540 MHz)  
Better than -18 dB (540 MHz to 1.485 GHz)

Equalization . . . . . Auto:  
SD (270 Mb/s) — 984 ft (330 m) Belden 1694A  
HD (1.485 Gb/s) — 328 ft (120 m) Belden 1694A

### SDI, HD-SDI

Number of Outputs . . . . . 8: 2 clean (2 copies of each) and 6 auxiliary (non-clean)

Output Connector . . . . . 75 ohms, BNC per IEC 169-8

Signal Type . . . . . SMPTE 259M and SMPTE 292 signal formats

Reclocking . . . . . Automatic for all SMPTE defined data rates  
Passthrough for all nonstandard clock rates  
Passthrough for all auxiliary outputs

Return Loss . . . . . Better than -20 dB (5 to 540 MHz)  
Better than -18 dB (540 MHz to 1.485 GHz)

Output Amplitude . . . . . 800 mV pk-pk ±10%

DC Offset . . . . . 0 ±0.5V

Rise and Fall Time . . . . . SD (270 Mb/s) — 400 to 1500 ps  
HD (1.485 Gb/s) — <270 ps

## ORDERING INFORMATION

P16HSCQ0 . . . . . 16x2 HD-SDI and SDI wideband digital multirate clean switch with embedded audio quiet switching with 6 auxiliary non-clean outputs

P16SCQ0 . . . . . 16x2 SDI clean switch with embedded audio quiet switching with 6 auxiliary non-clean outputs

PLCP-32X8CQp . . . . . 32x8 local control panel for clean/quiet switch

RCP-32x8CQp . . . . . 32x8 remote control panel for clean/quiet switch