



SD-7588V

**SWITCHERS, MATRIX
SWITCHERS &
CONTROLLERS**

8X8 SERIAL DIGITAL VIDEO (SDI) MATRIX SWITCHER



DESCRIPTION

The SD-7588V is a high performance matrix switcher for SDI (SMPTE 259M) video signals. Switching during the vertical interval ensures glitch-free switching with genlocked sources.

- Reclocking & Equalization - Automatic.
- Multi-Standard - 143Mbps (4fsc NTSC), 177Mbps (4fsc PAL, 270Mbps (4:2:2 component), 360Mbps (4:2:2 widescreen).
- Control - Front panel, RS-232 (K-Router™ Windows® - based software is included), & RS-485.
- Resolution - 8 & 10-bits (automatic).
- Memory Locations - Store multiple switches as presets (salvos) to be recalled and executed when needed.
- ALL / OFF Controls - Sends one input to all outputs, can disconnect all outputs, or turn off individual outputs.
- IN SYSTEM Control - Allows for audio follow video when used with an SD-7588A in the same system.
- Vertical Interval Switching.
- Switching Synchronization - Synchronize either to external reference or the incoming video.
- Looping Analog Sync Input.
- Selectable Sync Signal Termination.
- Worldwide Power Supply - 85-264V AC.
- Standard 19" Rack Mount Size - 1U.

SPECIFICATIONS

INPUTS:	8 x SMPTE - 259M serial video, 75Ω, on BNC connectors; looping analog sync inputs on BNC connectors.
OUTPUTS:	8 reclocked SMPTE - 259M outputs, 75Ω, on BNC connectors.
RESOLUTION:	10-bit or 8-bit, automatic according to input resolution.
SWITCHING:	During vertical interval from analog sync.
STANDARDS:	4fsc PAL, 4fsc NTSC, 4:2:2 (525/625), and 360Mbps widescreen (525/625).
EQUALIZATION:	Automatic for up to 300m for 270 Mbps using Belden 8281 cable.
CONTROLS:	22 front-panel touch switches, RS-232 and RS-485 control interface.
DISPLAY:	Current switcher status on eight 7-segment bright LEDs. Signal presence for each channel on front panel LEDs.
POWER SOURCE:	Universal, 85-264VAC, 47- 440 Hz, 25 VA max.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
WEIGHT:	3.5kg (7.8 lbs) approx.

