



8x1 Serial Digital Video Switcher/Distribution Amplifier

SD-7308

The Kramer SD-7308 is a multi-standard, adjustment-free 8x1 switcher for SDI (serial digital) video signals. It accepts up to eight SDI inputs, provides necessary buffering and reclocking, and routes the selected source to four identical SDI outputs using BNC connectors. It provides automatic equalization for losses typical with long runs of 75 Ω co-axial cable. Depending on the cable and video standard, cable lengths of several hundred feet are possible. Standard recognition is automatic and the machine switches during the vertical interval

according to the SMPTE RP-168 standard.

A rear-panel output level control is provided to optimize signal level. The input select function of the SD-7308 can be controlled by front panel buttons and by RS-232 commands transmitted by a touch-screen control system, personal computer, or other control system. When no signal exists on a selected input, the LED in the appropriate button flashes. The SD-7308 automatically recognizes the word length for both 10-bit and 8-bit video.

**TECHNICAL SPECIFICATIONS**

INPUTS:	8 x SMPTE - 259M serial video, 75 Ω on BNCs.
SERIAL OUTPUTS:	4 reclocked SMPTE-259M outputs, 75 Ω on BNCs, adjustable amplitude.
VIDEO RESOLUTION:	10-bit or 8-bit, automatic according to input resolution.
SWITCHING:	During vertical interval according to the SMPTE RP-168 standard.
STANDARDS:	4fsc PAL, 4fsc NTSC, 4:2:2 (525/625), and 360 Mb/s widescreen (525/625).
EQUALIZATION:	Automatic for up to 300m cable.
CONTROL:	8 front panel illuminated touch switches and RS-232.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz, (115 VAC, U.S.A.) 9.2 VA.
WEIGHT:	2.5 kg. (5.5 lbs.) approx.
ACCESSORIES:	Power cord, Windows 95/98 control software.

TYPICAL APPLICATIONS

Video Broadcast studios for On-Air switching and signal routing.

Video production and editing studios.
Signal routing for non-linear editing systems.