



1:8 SDI Distribution Amplifier / De-serializer

SD-7108

The Kramer SD-7108 is an adjustment-free, equalized, reclocking, multi-standard serial video distribution amplifier. In addition, a parallel ECL reclocked output is also provided.

The machine provides automatic equalization for losses on the 75 Ω co-axial cable (up to 100s of meters of cable - depending on the cable and the video standard), and reclocks the output to provide 8 low-jitter, serial digital outputs. Standard recognition is automatic, and front-

panel LEDs indicate the detected standard. 4fsc PAL, 4fsc NTSC, component 4:2:2, and high-definition 16:9 (wide-screen) standards are all recognized. The user may adjust the serial video output level. The CARRIER LED indicates the detection of a signal at the input, and the SYNC LED shows that horizontal synchronization has been detected.

The machine operates for both 10-bit and 8-bit video, automatically recognizing the word length.



TECHNICAL SPECIFICATIONS

INPUT:	SMPTE - 259M serial video, 75 Ω on BNCs.
SERIAL OUTPUTS:	8 reclocked SMPTE-259M outputs, 75 Ω on BNCs, adjustable amplitude.
PARALLEL OUTPUT:	ECL level outputs on DB-25F connector.
VIDEO RESOLUTION:	10-bit or 8-bit, automatic according to input resolution.
STANDARDS:	4fsc PAL, 4fsc NTSC, 4:2:2 (525/625), and 360 Mb/s widescreen (525/625).
EQUALIZATION:	Automatic for up to > 30dB cable loss.
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable.
POWER SOURCE:	230 VAC, 50/60 Hz., (115 VAC, U.S.A.) 14 VA.
WEIGHT:	2.5 kg. (5.5 lbs.) approx.
ACCESSORIES:	Power cord.

TYPICAL APPLICATIONS

SDI production studios for signal distribution and equalization.

Broadcast studios for deserialization and on-air operation.