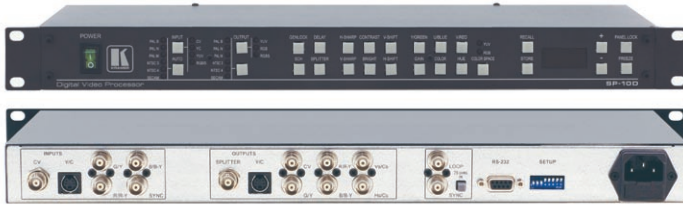


SP-10D

Multi-Format Analog Video Processor/ProcAmp/TBC/Format & Standards Converter



The **SP-10D** is a broadcast quality video processor that functions as a ProcAmp, a TBC, a format converter and a standards converter for composite video, s-Video (Y/C), and RGB/component video (YUV or RGBS) video signals. The original and processed image can be viewed simultaneously with the split screen output enabled.

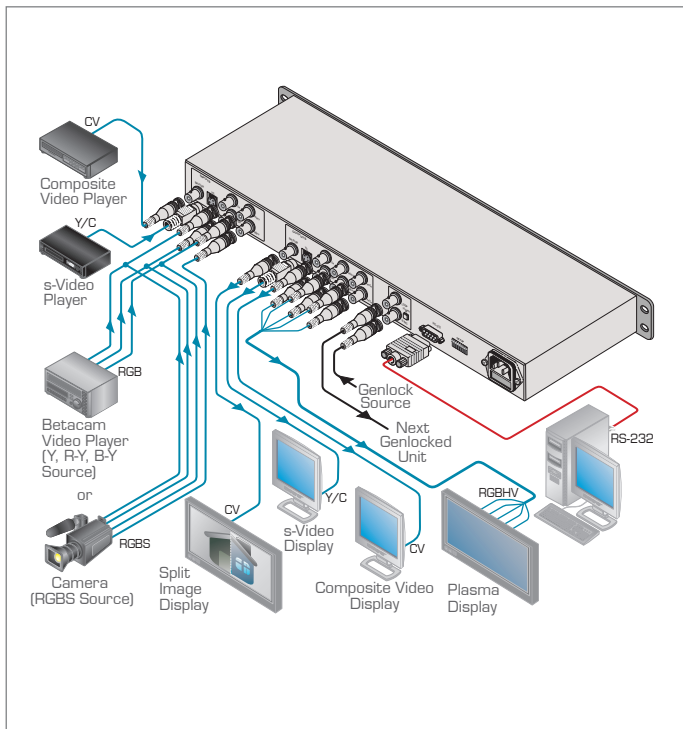
FEATURES

- **Bandwidth** - 5MHz (-0.5dB).
- **Multi-Format Capability** - Selected input is simultaneously output as composite video, s-Video, and component video (YUV or RGBS).
- **Multi-Standard** - NTSC 3.58/4.43, PAL-B/D/G/H/I/M/N and SECAM.
- **Standards Conversion** - The unit converts any input video standard to any other video standard (NTSC 3.58/4.43, PAL-B/D/G/H/I/M/N, and SECAM).
- **ProcAmp Features** - Contrast, brightness, color, hue, H/V sharpness, level/gain (R, G, B, R-Y, & B-Y).
- **Built-in Time Base Corrector.**
- **Screen Splitter Feature** - Simultaneous display of original video and processed video on a single screen (adjustable).
- **Timing Controls** - Video delay, H/V delay, & SCH phase.

- **Switching Synchronization Option** - Synchronizes either to external reference or internal genlock sync generator.
- **Looping Sync Input.**
- **Selectable Sync Signal Termination.**
- **10-Bit Digital Processing.**
- **Multiple Memory Locations** - Store 15 multiple switches as presets (salvos).
- **Flexible Control Options** - Front panel and RS-232.
- **Front Panel Lockout.**
- **Worldwide Power Supply** - 100-240V AC.
- **Standard 19" Rack Mount Size** - 1U.

TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video: 1Vpp/75Ω on a BNC connector; 1 YC: 1Vpp/75Ω (Y), 0.3Vpp/75Ω on a 4-pin connector; 1 component: Y/R-Y/B-Y (1Vpp/0.7Vpp/0.7Vpp)/75Ω (or RGB/S) on BNC connectors; 1 SYNC (genlock): looped 75Ω/Hi-Z on BNC connectors.
OUTPUT:	1 composite video: 1Vpp/75Ω on a BNC connector; 1 YC: 1Vpp/75Ω (Y), 0.3Vpp/75Ω on a 4-pin connector; 1 component: Y/R-Y/B-Y (1Vpp/0.7Vpp/0.7Vpp)/75Ω (or RGB/S) on BNC connectors.
VIDEO STANDARDS:	PAL-B/D/G/H/I/M/N, NTSC-3.58/4.43, SECAM.
DIGITAL RESOLUTION:	10 bits.
BANDWIDTH:	5MHz (-0.5dB).
DIFF. GAIN:	1%.
DIFF. PHASE:	1Deg.
K-FACTOR:	0.4%.
S/N RATIO:	60dB.
LUMA NON-LINEARITY:	1%.
CHROMA/LUMA	
DELAY:	<15ns.
MEMORY:	Non-volatile memory for storing 16 setups.
CONTROLS:	Front-panel and RS-232: contrast, brightness, video gain, color, hue, H/V sharpness, SCH phase, delay, H/V shift; R, G, B, R-Y, B-Y level; screen splitter (process to bypass); freeze; panel lock.
POWER SOURCE:	Universal, 100-240V AC, 50/60Hz, 27VA.
DIMENSIONS:	19" x 7" x 1U W, D, H, rack mountable.
WEIGHT:	2.6kg (5.7lbs) approx.
ACCESSORIES:	Power cord, null-modem adapter.



FORMAT & STANDARDS CONVERTERS

