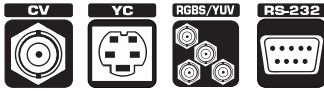


SP-10D

Digital Video Processor



The **SP-10D** is a broadcast quality, video processor that functions as a proc-amp, 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** - 0.5dB @ 5MHz
- **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 will convert any input video standard to any other video standard (NTSC 3.58/4.43, PAL-B/D/G/H/I/M/N, and SECAM).
- **Proc Amp 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** - Synchronize either to external reference or internal genlock sync generator
- **Looping Sync Input**
- **Selectable Sync Signal Termination**
- **10 Bit Digital Processing**
- **Multiple Memory Locations** - Store 16 multiple switches as presets (salvos) to be recalled and executed when needed
- **Flexible Control Options** - Front Panel and RS-232
- **Front Panel Lockout**
- **Worldwide Power Supply** - 100-240V AC
- **Standard 19" Rack Mount Size** - 1RU

TECHNICAL SPECIFICATIONS

INPUTS:	1 composite video - 1 Vpp / 75Ω on a BNC connector; 1 YC - 1 Vpp / 75Ω (Y), 0.3Vpp / 75Ω on a 4p 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;
OUTPUTS:	1 composite video - 1 Vpp / 75Ω on a BNC connector; 1 YC - 1 Vpp / 75Ω (Y), 0.3Vpp / 75Ω on a 4p 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 (-3dB):	0.5dB to 5MHz, Fully Loaded
DIFF. GAIN:	1%.
DIFF. PHASE:	1%.
K-FACTOR:	0.4%.
S/N RATIO:	60dB.
LUMA NON-LINEARITY:	1%.
CHROMA / LUMA DELAY:	<15ns
MEMORY:	Non-volatile memory for storage of 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, 100-240VAC, 50/60Hz
DIMENSIONS:	19 inch (W), 7 inch (D), 1U (H) rack mountable
WEIGHT:	2.6 kg. (5.7 lbs.) approx.
ACCESSORIES:	Power cord, Null-modem Adapter

