

# SP-11D

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



### FEATURES

- Bandwidth - 5MHz (-0.5dB).
- Multi-Format Capability - Selected input is simultaneously output as composite video, s-Video, component video (YUV or RGBS) and SDI.
- Multi-Standard - NTSC (3.58.4.43), PAL (B/D/G/H/I/M/N), & SECAM.
- Standards Conversion - Any input format and standard can be converted to any output format and standard.
- ProcAmp Control - Contrast, brightness, H/V sharpness, level/gain (R, G, B, R-Y, & B-Y).
- Time Base Corrector.
- Screen Splitter - Simultaneous display of original video and processed video on a single screen (adjustable).
- Timing Control - Video delay, H/V delay, & SCH phase.
- Switching Synchronization - Synchronizes either to external reference or internal genlock sync generator.
- Looping Sync Input.
- Selectable Sync Signal Termination.

The **SP-11D** is a broadcast quality video processor that functions as a ProcAmp, TBC, format converter and standards converter for composite video, s-Video (Y/C), RGB/component video (YUV or RGBS) and SDI video signals. The original and processed image can be viewed simultaneously with the split screen output enabled.

- Resolution - 10 bits.
- Memory Locations - Store 15 multiple switches as presets.
- Control - 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 Y/C: 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; 1 SDI: SMPTE-259M, ITU-R BT.601 on a BNC connector.
OUTPUTS:	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; 2 SDI: SMPTE-259M, ITU-R BT.601 on BNC connectors.
SDI INPUT/OUTPUT:	SMPTE-259M, ITUR BT.601 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.

