

ADC-191p

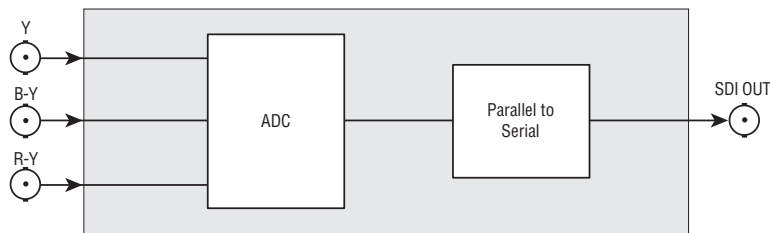
12-bit component analog video to SDI converter



The PicoLink Series ADC-191p is a miniature component analog video to SDI converter, which features high quality 12-bit processing. It automatically detects 525-line and 625-line CAV signals, and provides an SDI output conforming to the SMPTE 259M-C standard. Both SMPTE/EBU and Betacam CAV sources are supported. This unit is very simple to install and operate, and is the ideal solution for monitoring applications.

KEY FEATURES AND BENEFITS

- Superior quality 12-bit processing
- Automatic 525-line and 625-line format CAV input detection
- Support for SMPTE/EBU and Betacam formats
- Support for time-based corrected and VTR-type sources
- Bi-color LED providing error status on CAV input signal
- Lightweight and very small aluminum extruded body



ADC-191p Functional Block Diagram

TECHNICAL SPECIFICATIONS

INPUT

Signal: Y, B-Y, R-Y, 1Vp-p nominal with sync
Return loss: >35 dB up to 5 MHz
Connector: 3 captive cables with 75 ohm male BNCs

OUTPUT

Signal: SMPTE-259-C (270 Mbps)
Return loss: >15 dB up to 270 MHz
Jitter: <0.2 UI (0.74 ns) p-p
Connector: 75 ohm BNC

PROCESSING PERFORMANCE

Signal path: 10 bits
Quantization: 12 bits
Sampling: 54 MHz (4x oversampling)
Freq. response: ±0.5 dB to 4.2 MHz (525)
±0.5 dB to 5 MHz (625)
Processing delay: 191 µs

ELECTRICAL

Voltage: 5 VDC
Power: 2.2 W

ORDERING INFORMATION

ADC-191p 12-bit component analog video to SDI converter

Accessories

LKS-WSU Power supply for 110 V or 220 V
pL-Tray 40 W rack mounted tray for up to 10 picoLinks
pico-PA 12 V to 5 V power adaptor