

ADC-191p

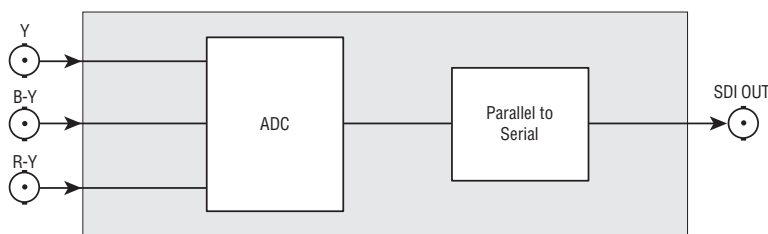
12-bit component analog video to SDI converter



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		OUTPUT		PROCESSING PERFORMANCE		ELECTRICAL	
Signal:	Y, B-Y, R-Y, 1Vp-p nominal with sync	Signal:	SMPTE-259-C (270 Mbps)	Signal path:	10 bits	Voltage:	5 VDC
Return loss:	>35 dB up to 5 MHz	Return loss:	>15 dB up to 270 MHz	Quantization:	12 bits	Power:	2.2 W
Connector:	3 captive cables with 75 ohm male BNCs	Jitter:	<0.2 UI (0.74 ns) p-p	Sampling:	54 MHz (4x oversampling)		
		Connector:	75 ohm BNC	Freq. response:	±0.5 dB to 4.2 MHz (525) ±0.5 dB to 5 MHz (625)		
				Processing delay:	191 µs		

ORDERING INFORMATION

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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