

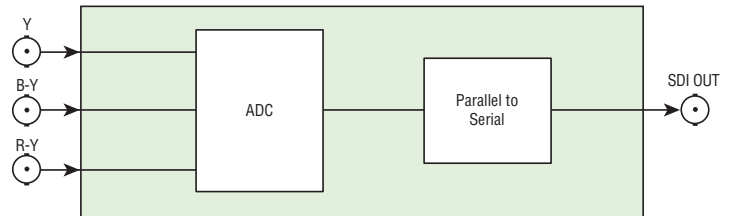
ADC-191p 12-bit Component Analog Video to SDI Converter



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 (270Mbps)	SIGNAL PATH:	10 bits	VOLTAGE:	5 V
RETURN LOSS:	> 35dB up to 5MHz	RETURN LOSS:	> 15dB up to 270MHz	QUANTIZATION:	12 bits	POWER:	2.2 W (typical)
CONNECTOR:	3 captive cables with 75 ohms male BNCs	JITTER:	< 0.2 UI (0.74ns) p-p	SAMPLING:	54MHz (4x oversampling)		
		CONNECTOR:	75 ohms BNC	FREQUENCY RESPONSE:	± 0.5dB to 4.2MHz (525), ± 0.5dB to 5MHz (625)		
				PROCESSING DELAY:	191 μs		

Ordering Information

ADC-191p 12-bit Component Analog Video to SDI Converter

Accessories

LKS-WSU Power Supply for 110V or 220V
 pL-Tray Rack mounted tray for up to 10 units
 pico-PA 12V to 5V Power Adaptor