

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

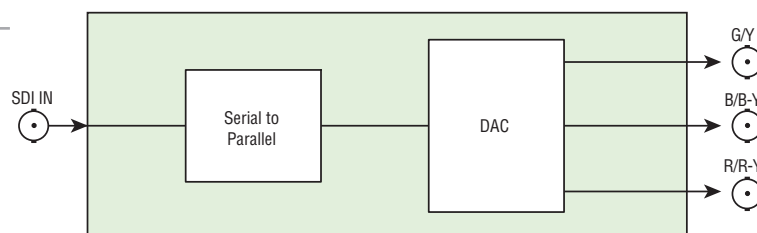


The PicoLink Series DAC-191p is a miniature SDI to component analog video converter, which features high quality 12-bit processing. This product automatically detects 525-line and 625-line SDI signals conforming to the SMPTE-259M-C standard, and provides SMPTE/EBU or GBR component

output signals. An internal test pattern generator provides a color bar test signal for both SMPTE and GBR outputs. 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 SDI input format detection
- ⊕ Output standard selection: SMPTE/EBU or GBR with or without setup
- ⊕ Color bars generator
- ⊕ Bi-color LED providing error status on SDI input signal
- ⊕ Lightweight and very small aluminum extruded body



DAC-191p Functional Block Diagram

Technical Specifications

INPUT

SIGNAL:	SMPTE-259M-C (270Mbps)
CABLE LENGTH:	200m (650') – Belden 8281
RETURN LOSS:	> 15dB up to 270MHz
CONNECTOR:	75 ohms BNC

OUTPUT

SIGNAL:	G/Y, B/B-Y, R/R-Y
CONNECTOR:	3 captive cables with 75 ohms male BNCs

PROCESSING PERFORMANCE

SIGNAL PATH:	10 bits
QUANTIZATION:	12 bits
SAMPLING:	216MHz (16x oversampling)
FREQUENCY RESPONSE:	± 0.5dB to 5MHz
TEST SIGNAL:	75% color bars with 100% white
PROCESSING DELAY:	3.8 μs

ELECTRICAL

VOLTAGE:	5 V
POWER:	1.5 W (typical)

Ordering Information

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

Accessories

LKS-WSU
pL-Tray
pico-PA

Power Supply for 110V or 220V
Rack mounted tray for up to 10 units
12V to 5V Power Adaptor