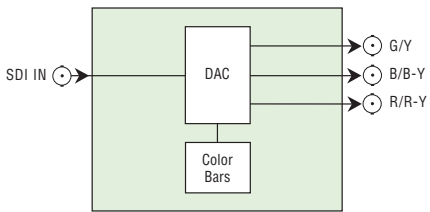


SDM-171p SDI to Component Analog Video Converter



This picoLink video DAC is the smallest GBR/SMPTE/EBU video DAC available. The SDM-171p provides monitoring of a SDI video signal and also provides a built-in color bars generator. This module automatically detects 525 or 625 line formats from incoming SDI signals to provide analog component GBR or Y/B-Y/R-Y signals.



SDM-171p Functional Block Diagram

Technical Specifications

INPUT

SIGNAL: SMPTE 259M-C (270 Mbps)
CABLE LENGTH: 200 m (650') (Belden 8281)
RETURN LOSS: > 12 dB up to 270 MHz
CONNECTOR: 75 ohms BNC

OUTPUT

SIGNAL: G/Y, B/B-Y, R/R-Y: 0.7 V p-p nominal
SYNC LEVEL: 280 mV
CONNECTORS: Cables with male BNC (3)

PROCESSING PERFORMANCE

QUANTIZATION: 8 bits
SAMPLING: 27 MHz (2X oversampling)
FREQ. RESPONSE: ±0.5 dB to 4.2 MHz
PROCESSING DELAY: 2 µs
TEST SIGNAL:
 525: 75% color bars with 75% white
 625: 75% color bars with 100% white

Ordering Information

SDM-171p SDI To Component Analog Video Converter

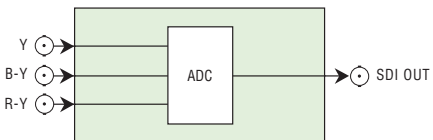
Accessories

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

ASD-171p Component Analog Video to SDI Converter



The picoLink ASD-171p is the world's smallest component analog video to SDI converter. This module accepts VTR-type sources.



ASD-171p Functional Block Diagram

Technical Specifications

INPUT

SIGNAL: Y/B-Y/R-Y: 1.0 V p-p nominal with sync
CONNECTORS: Cables with male BNC (3)

OUTPUT

SIGNAL: SMPTE 259M-C (270 Mbps)

RETURN LOSS: > 15 dB up to 270 MHz
JITTER: < 10 ns p-p
CONNECTOR: 75 ohms BNC

PROCESSING PERFORMANCE

QUANTIZATION: 8 bits
FREQ. RESPONSE: ±0.5 dB to 4.2 MHz
PROCESSING DELAY: 10 µs

Ordering Information

ASD-171p Component Analog Video To SDI Converter

Accessories

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