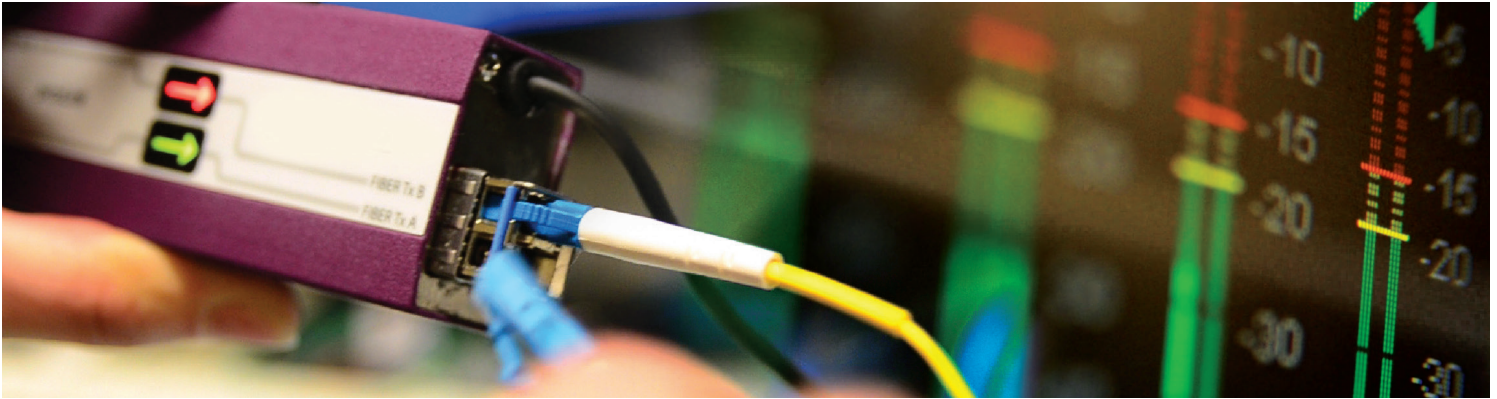


# PicoLink Series DEC-291p

## 12-bit NTSC/PAL/SECAM to SDI Decoder



Cost-efficient performance and versatility.

The DEC-291p from Grass Valley, a Belden Brand, is a miniature NTSC/PAL/SECAM to SDI decoder which features 12-bit superior quality processing. It automatically detects NTSC/PAL/SECAM formats from incoming composite video signals and provides the appropriate serial SDI format.

Its simplified design makes it very easy to install and operate, and it is the ideal solution for monitoring applications.

### KEY FEATURES

- Superior quality 12-bit processing
- Automatic detection of NTSC/PAL/SECAM composite formats
- Bi-colored LED indicates status on the composite input
- Selection of source stability and setup level
- Lightweight and very small extruded aluminum housing

### SPECIFICATIONS

#### Input

##### Signal:

NTSC (525/60), PAL (625/50)  
PAL-M (525/60)  
PAL-N (625/50)  
SECAM (625/50)

**Return loss:** >35 dB up to 5 MHz

**Connector:** 75Ω BNC

#### Output

**Signal:** SMPTE ST 259-C (270 Mb/s)

**Return loss:** >15 dB up to 270 MHz

**Jitter:** <0.2 UI (0.74 ns) p-p

**Connector:** 75Ω BNC

#### Processing Performance

**Quantization:** 12 bits

**Signal path:** 10 bits

**Sampling:** 54 MHz (4X oversampling)

#### Freq. response:

±0.5 dB to 4.2 MHz (NTSC)

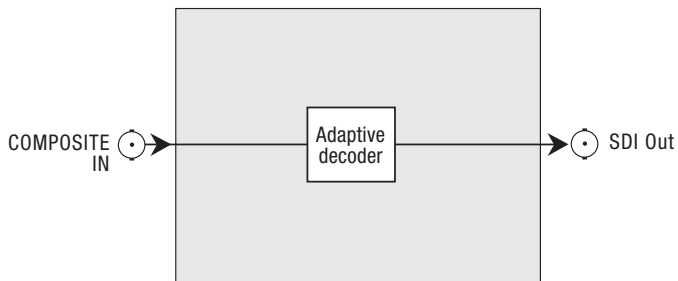
±0.5 dB to 5 MHz (PAL)

**Processing delay:** 191 μs

#### Electrical

**Voltage:** 5 VDC

**Power:** 2.2W



DEC-291p functional block diagram

### ORDERING

DEC-291p

12-bit NTSC/PAL/SECAM to SDI decoder

#### Accessories

LKS-WSU

Power supply for 110V or 22V

pL-Tray

40W rack mounted tray for up to 10 picoLinks

pico-PA

12V to 5V power adapter