The ENC-291p is a miniature SDI to NTSC/PAL encoder, which features 12-bit superior quality processing. It features automatic 525-line and 625-line SDI signal detection conforming to the SMPTE 259M-C standard, and provides a NTSC, PAL, PAL-M, or PAL-N composite output signal. It also includes a convenient built-in test pattern generator. This unit is very simple to install and to operate, and it is the ideal solution for monitoring applications.

**Key Features and Benefits**

- Superior quality 12-bit processing
- Automatic 525-line and 625-line format input detection
- NTSC or PAL-M composite output for 525-line input, and PAL or PAL-N composite output for 625-line input
- Y-only (monochrome) output selection
- Output setup selection: 7.5 or 0 IRE (NTSC)
- Built-in color bars generator
- Bi-color LED providing error status on input SDI signal
- Lightweight and very small extruded aluminum housing

**Technical Specifications**

<table>
<thead>
<tr>
<th>INPUT</th>
<th>PROCESSING PERFORMANCE</th>
<th>ELECTRICAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIGNAL: SMPTE 259M-C (270Mbps)</td>
<td>QUANTIZATION: 12 bits</td>
<td>VOLTAGE: 5 V</td>
</tr>
<tr>
<td>CABLE LENGTH: 200m (650') – Belden 8281</td>
<td>SIGNAL PATH: 10 bits</td>
<td>POWER: 1.5 W</td>
</tr>
<tr>
<td>RETURN LOSS: &gt; 15dB up to 270MHz</td>
<td>SAMPLING: 216MHz (16x oversampling)</td>
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<tr>
<td>CONNECTOR: 75 ohms BNC</td>
<td>FREQUENCY RESPONSE: ± 0.5dB to 5MHz</td>
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<tr>
<td>OUTPUT SIGNAL: NTSC (525/60), PAL (625/50), PAL-M (525/60), PAL-N (625/50)</td>
<td>TEST SIGNAL: 75% color bars with 100% white</td>
<td></td>
</tr>
<tr>
<td>CONNECTOR: 75 ohms BNC</td>
<td>PROCESSING DELAY: 3.2 μs</td>
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</table>

**Ordering Information**

ENC-291p 12-bit SDI to NTSC/PAL Encoder

**Accessories**

- LKS-WSU
- pL-Tray
- pico-PA

**Power Supply**

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