

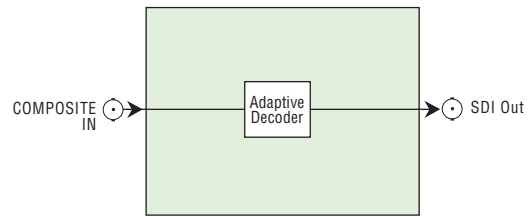
DEC-291p 12-bit NTSC/PAL/SECAM to SDI decoder



The DEC-291p is a miniature NTSC/PAL/SECAM to SDI decoder, which features 12-bit superior quality processing. This product 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 and Benefits

- ⊕ 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



DEC-291p Functional Block Diagram

Technical Specifications

INPUT		OUTPUT		PROCESSING PERFORMANCE		ELECTRICAL	
SIGNAL:	NTSC (525/60), PAL (625/50), PAL-M (525/60), PAL-N (625/50), SECAM (625/50)	SIGNAL:	SMPTE 259M-C (270Mbps)	QUANTIZATION:	12 bits	VOLTAGE:	5 V
RETURN LOSS:	> 35dB up to 5MHz	RETURN LOSS:	> 15dB up to 270MHz	SIGNAL PATH:	10 bits	POWER:	2.2 W
CONNECTOR:	75 ohms BNC	JITTER:	< 0.2 UI (0.74 ns) p-p	SAMPLING:	54 MHz (4x oversampling)		
		CONNECTOR:	75 ohms BNC	FREQUENCY RESPONSE:	± 0.5dB to 4.2MHz (NTSC), ± 0.5dB to 5MHz (PAL)		
				PROCESSING DELAY:	191 μs		

Ordering Information

DEC-291p	12-bit NTSC/PAL/SECAM to SDI Decoder	Accessories	
		LKS-WSU	Power Supply For 110 V or 220 V
		pL-Tray	Rack mounted tray for up to 10 units
		pico-PA	12V to 5V Power Adaptor