

Xintekvideo INC.

D1 TO NTSC CONVERTER MODEL SDI-1



DESCRIPTION:

Xintekvideo's D1 to NTSC Converter Model SDI-1 is the ideal bridge between SDI and analog color NTSC.

The Model SDI-1 accepts 270 Mbs D1 data and it outputs a composite color NTSC signal. In addition it outputs a frequency equalized and re-clocked 270 Mbs digital data making it ideal as a low cost means of extending the transmission range of the digital signal.

Unlike some of the other low-cost digital to analog converters, the Model SDI-1 has full 75 Ohm driving capability at both its digital output and its analog output. The analog output is also properly filtered to remove out of band energy, and it is AC coupled to remove any DC offset.

The Model SDI-1 is highly shielded to prevent EMI problems common with other converters. It comes in a small tightly sealed box (about 5" x 2.5" x 1.25") which can be dropped anywhere in your plant without the danger of radiation and interference to other equipment.

The Model SDI-1 is a high performance and yet such low priced converter that it becomes cost effective to use a dedicated unit for each piece of analog video equipment in the digital plant.

SPECIFICATIONS:

INPUT: 4:2:2 Serial digital video at 270 Mbs

OUTPUTS: Equalized and re-clocked serial digital video at 270 Mbs. Impedance: 75 Ohms
Analog composite color NTSC video,
1 volt peak to peak into 75 Ohms.
Optional Y/C outputs.

FREQUENCY RESPONSE OF ANALOG VIDEO:
+/- 1 dB to 4.2 MHz

NON LINEARITY: <2%
DIFFERENTIAL PHASE: <2° plus quantizing effects
DIFFERENTIAL GAIN: <2% plus quantizing effects
K FACTOR WITH 2T PULSE: Better than 2%
POWER REQUIRMENT: 120 VAC, 60 Hz, 6 Watts
OPERATING TEMPERATURE: 32° F to 110° F, Ambient
HUMIDITY: 10% to 90% non-condensing
MECHANICAL: Metal box 5" x 2.5" x 1.25". Plus separate
plug-in power transformer approximately
2.75" x 2" x 1.75"

Specifications subject to change without notice. 3/2002

XINTEKVIDEO INC
56 West Broad Street
Stamford, CT 06902

(203)348-9229

www.xintekvideo.com