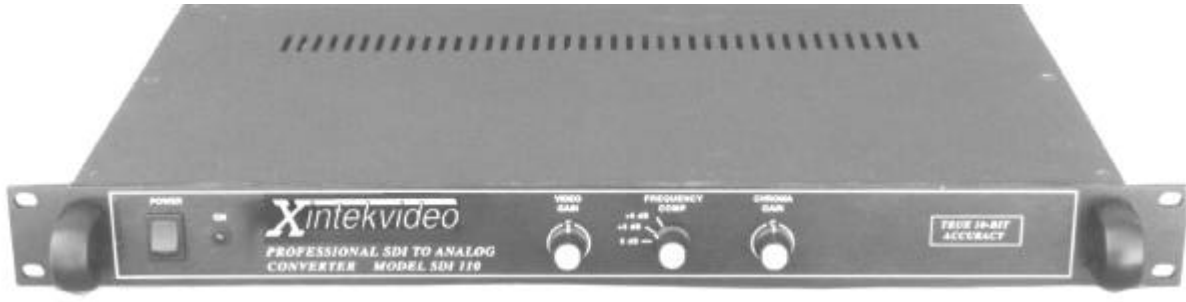


Xintekvideo INC.

NTSC TO SDI CONVERTER MODEL SDI 310



DESCRIPTION:

Xintekvideo's NTSC to SDI Converter Model SDI310 is the ideal bridge between analog color NTSC and the 270Mbs digital interface.

The Model SDI310 accepts composite color NTSC video or Y/C and it outputs 270 Mbs serial digital signals. The SDI310 is a professional quality equipment using advanced digital processing technology to convert analog signals to D1 digital video with 10-bit accuracy.

It features adaptive comb filters based on the teaching of Pat. No. 4072984 for optimum separation of luminance and chrominance. It uses linear chrominance demodulation techniques based on the teachings of Pat. No. 4219838. It provides means to enhance high frequency luminance details by generating linear phase, digitally cored high frequency details.

The Model SDI310 also provides means to adjust color phase and color gain for proper restoration of color hue and color levels.

The high performance and low price of this unit makes it an outstanding value.

SPECIFICATIONS:

INPUT: NTSC color video signal, 1v pp into 75 Ohms
Return Loss >40 dB
Also accepts Y/C input video

OUTPUTS: Two D1 serial digital video outputs
at 270 Mbs. Impedance: 75 Ohms

VIDEO SPECIFICATIONS:

Frequency Response: +/- 0.5dB to 4.2MHz
Non Linearity: <2%
Differential Phase: <2° plus quantizing effects
Differential Gain: <3% plus quantizing effects
K Factor with 2T pulse: Better than 2%
System Delay: 1TV line plus 4 usec. nominal
Power Requirement: 120v AC, 60 Hz, 15 Watts
Operating Temperature: 32° F to 110° F , ambient
Humidity: 10% to 90% non-condensing
Mechanical: 1RU cabinet: 1.75"H, 19"W, 10"L; 7Lbs

Specifications subject to change without notice. 3/2002

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