

Xintekvideo INC.

UNIVERSAL ANALOG TO SDI CONVERTER MODEL SDI-333



DESCRIPTION:

Xintekvideo's Model SDI-333 is a universal analog to SDI converter. It accepts any analog format, Composite, Y/C, RGB, Y/R-Y/B-Y (NTSC or PAL scan rates) and converts it to SDI. It is the ideal bridge between analog and the 270 Mbs digital interface.

The selected input or inputs are first antialias filtered then converted to digital signals at 27 MHz sampling rate and 10-bit quantizing accuracy. Advanced digital processing technology is used in the color decoding including 5-line adaptive comb filters for the composite input signal, low pass and band-pass filtering and data sampling decimation filters. Signal processing is performed with 12-bit accuracy. A state of the art serializer converts the digital signal to SDI video.

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

SPECIFICATIONS:

Inputs: Composite NTSC or PAL, loop through input
Y/C input into 75 Ohms
RGB or Y/R-Y/B-Y into 75 Ohms

Outputs: Two serial digital video outputs at 270 Mbs

Front Panel Control: Video input selection

Video Sampling Rate: 27 MHz

Quantizing Accuracy: 10-bit

Processing Accuracy: 12-bit

Input Bandwidth: 6.5MHz \pm 1dB

Differential Phase: $\pm 1^\circ$

Differential Gain: $\pm 1\%$

System delay: 1TV line for NTSC 2 TV lines for PAL +2 μ s

Power Requirement: 110-240v 50/60Hz 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; 6Lbs

Specifications subject to change without notice. 4/2004

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