

Analog Digital Video Converter CY-9801V1D



Product Description

Fiber transmitter and receiver, 1 channel video and 1 channel data

Product Feature

1. 10-bit digital code and non-compression video transmission; 2. Automatically adaptable to data rate, without setting; 3. Automatically compatible with video formats of PAL, NTSC, and SECAM; 4. APC circuits with constant output optical power and wide Dynamic Range; 5. No inter-modulation interference caused by analog frequency modulation, phase modulation and amplitude modulation. 6. Industrial-grade modular design, easy to expand the functions; 7. With unique lightning surge protection design; 8. Easy for installation, no need for electrical and optical adjustment after installation; 9. TDM, ADM, and CWDM technology, especially applicable to environment unsuitable for wiring; 10. LED indicators for power supply, video, optic-link and data-loop; 11. Supply 2U and 4U Rack Mount with card-type optical converters, support of hot insert & plug.

Product Specification / Models

Optical Output/Input Wavelength 1310nm&1470nm~1610nm Output Power -22~-12dBm 3~-15dBm Optic fiber 50/125u multimode, 62.5/125u multimode, 9/125u single mode Rx sensitivity -30dBm Bandwidth 155M/1.25G/2.5G Distance less than 3KM(Multimode) less than 120KM(Single mode) Optical interface FC, ST, SC(optional) Video Input/output impedance BNC 75Ohm (unbalance) Signal system PAL/NTSC/SECAM Nominal input & output level 1Vp-p Nominal input & output impedance 75Ohm Bandwidth of each channel 6.5MHz Sampling frequency 16MHz Quantification grade 8bit/10bit Differential gain less than 1% Differential

phase 0.7 C S/N ratio more than 67dB Data characteristics Interface port Standard terminal lead
Interface Signal RS-232, RS-422, RS-485, Manchester Code rate 0~400Kbps BER less than $10e^{-9}$
Work pattern full duplex/half duplex Audio Audio Input/output Impedance 600ohm/10Kohm
Max input/output voltage 2.0Vp-p Sampling frequency 48MHz S/N ratio more than
85dB(weighting) Connector Standard terminal lead

Application / Models

The Fiber Optical Video Transceiver is an all-digital fiber transmission device, with world-class non-compression, all-digital video correction technology and Gigabit fiber transmission technology. It supports long-distance, non-distortion and real-time transmission of 1~64 channels of video signal (and other kinds of signals if necessary) in one-core fiber optic. They are suitable to the purpose of monitor and surveillance in expressways, the customs, transportation, electronic police, industrial automation, power service, banks, and water conservation projects, etc...

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