



Technical Specification of S-2V4bD2P-T/R

2*Video+3*RS232+1*RS422+2*P, Fiber MUX



Description:

This digital video optical transceiver adopts digital video encoding and gigabit optical fiber transmission technology. The multi-channel single-direction video, Serial data, telephone real-time synchronization, no-distortion and high quality transmission is on the single-core or dual-core optical fiber. Complete digital video non-compression transmission technology, with video and data condition indicator, can monitor the system normal operation. Rack installation or desktop installation can be optional. This product is made up of optical transmitter and receiver. It can transmit 2*Channel forward direction Video and 3channel RS232, 1Channel RS422 data and 2 channel FXO/FXS.

Feature:

- ◆ Complete digital optical fiber transmission platform, same platform multi-service flexible configuration;
- ◆ Based on self - copyright ASIC;
- ◆ Can detect the remote device that is power off or broken fiber when it is matt
- ◆ Compatible PAL/NTSC/SECAM system, studio-level transmission quality
- ◆ Provide bi-directional asynchronous data (Forward Direction and Reverse Direction)
- ◆ Asynchronous data, transmit rate more than 110-115.200Kbps
- ◆ Asynchronous data can be RS232/RS485/RS422/Manchester code
- ◆ Data interface and video interface provide three levels lightning-protection function, which can reach the ITU-T K.21 (10/700μs), CM (6KV), Impedance (40 Ω) test;



Parameters:

Fiber:

Connector: FC/ ST

Wave length: 850nm/1310nm/1550nm

Transmission distance: multi-mode 0-2km, single-mode 0-25km, 0-60km, 0-120km ;

Transmitting power: better than -6dB

Receiver sensitivity: better than -18dB

Optical dynamic range: 12dB

Optical maximum loss: 12dB

Fiber: single-mode/multi-mode fiber, single fiber

Fiber Transmission Distance is limited by optical circuit loss and additional loss as a result of connectors, fittings and patch panel. Transmission distance may also be limited by fiber optic bandwidth.

Video interface

Video Bandwidth: 5Hz~10Hz

Rate input & output Level: 1Vp-p

Sampling Frequency: 16.4M (typical value)

Signal Impedance: 75 Ω

Signal Interface: BNC/PAL/NTSC/SECAM

Differential Gain (DG): <1.3 % (typical value)

Differential Phase (DP): <1.3° (typical value)

Signal Noise Ratio (SNR): 63dB

Date interface

Data Interface: RS-232、RS-422、RS-485、TTL

Data Mode: NRZ、Manchester、Bi-phase

Data Rate: 110bps-115.200Kbps

Interface Port: RJ45

Working environment

Working temperature: -30°C ~ 70°C

Working Humidity: 5%~95 % (no condensation)

Storage temperature: -40°C ~ 80°C

Storage Humidity: 5%~95 % (no condensation)



Specifications:

Model	Model Number: Sepitam-2V4bD2P-T/R
Functional Description	2*Video , 4*Serial Data , 2*Fxo/Fxs
Port Description	One Fiber interface; 2*Video , 4*Serial Data , 2*Fxo/Fxs
Power	Power supply: AC180V ~ 260V;
Dimension	19 inches,rack type Type: 483（width）X138（depth）X44（height）mm



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دفتر فروش: تهران، بلوار مرزداران خیابان
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