8 Video + 1 Reverse Date Fiber Transceiver

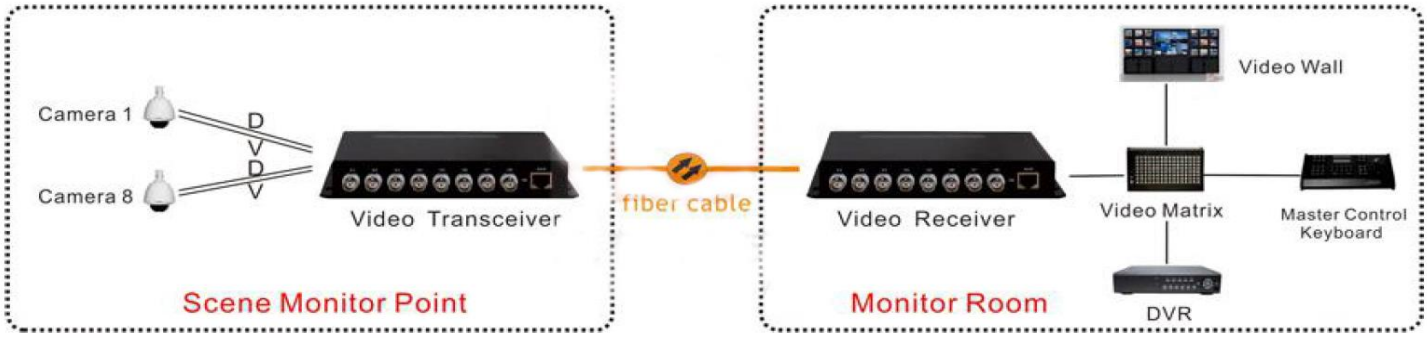
P/N: ITT-SR4816

Features:

- Based on self –copyright ASIC
- Provide General desktop, Mini desktop, insert-card Rack;

OverView:

This ITT-SR4816 digital video optical transceiver adopts digital video encoding and gigabit optical fiber transmission technology. The multi-channel single-direction bi-direction audio, video, data, telephone, Ethernet and switch 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. It uses modular design, the user can flexibly select or customize configuration based on the scene occasion. Rack installation or desktop installation can be optional. This product is made up of optical transmitter and receiver. It can transmit 8Channel forward direction Video and 1Channel reverse direction RS485 data.



Features:

- Complete digital optical fiber transmission platform, same platform multi-service flexible configuration;

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- Provide General desktop, Mini desktop, insert-card Rack;
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- 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;

Specifications:

Fiber	Connector: FC/ ST/PC 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
Power	Power supply: AC180V ~ 260V ； DC –48V ； DC +24V Power consumption: ≤5W
Dimension	Mini Type ： 216 （width） X140 （depth） X31 （height） mm 19 inch 1U ： 483 （width） X138 （depth） X44 （height） mm

Working environment	Working temperature: -10°C ~ 50°C Working Humidity: 5%~95 % (no condensation) Storage temperature: -40°C ~ 80°C Storage Humidity: 5%~95 % (no condensation)