

16CH FIBER VIDEO CONVERTER WITH SFP SLOT

Overview

BSD fiber-optic video transceivers can simultaneously transmit 16 channels of 8-bit digitally encoded broadcast quality video / return data over one multimode or single-mode optical fiber. These multiplexers are typically used in applications where the cameras have PTZ capabilities. Plug and Play design ensures the ease of installation and operation. Electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system status. Devices are available for either standalone or rack-mount installation, which is suitable for different working environment.



Key Features

- 8-bit digitally encoded and non-compression broadcast quality video transmission
- Directly compatible with NTSC, PAL, and SECAM CCTV camera systems and support RS-232, RS-422, and RS-485 data protocols
- Support any high-resolution video signal
- Automatic compatible PAL, NTSC and SECAM video system
- Power supply and other parameter state indication, which can monitor the operation condition of system
- Support no-damage regenerative trunk of video
- Constant input optical power, and large dynamic range, no Electrical or Optical Adjustments Required .
- Special ASIC design .
- Industry-grade of operating temperature which is applied to the different working environment
- Hot-swap function

Ordering Information (by a pair we mean 1 pc optical transmitter +1 pc optical receiver)

BV-116S	Fiber Video Converter 16 Positive video LC connection-SFP (a pair)
BV-116S-DR	Fiber Video Converter 16 Positive video +1 Data Return LC connection -SFP (a pair)
OPTIONS:	
AUDIO – add AR for 1 channel Audio Return; add BA for 1 channel Bidirectional Audio	
DATA – add 1D for 1 channel Positive Data; add DR for 1 channel Data Return	
CONTACT CLOSURE – add CC for 1 channel Contact Closure	
TELEPHONE – add 1T for 1 channel Telephone	
ETHERNET – add 1E for 1 channel Ethernet	
BSD-SFPGLC-20(60)	SFP, 1.25Gbps, 1310nm, 3.3V 1000Base-FX Single mode SFP Module 20 km (60km special order)

Specifications

Video channels	16 channels
Video bandwidth	8 MHz
Automatic compatible video system	PAL, NTSC, SECAM
Video input / output impedance	75 Ω (unbalance)
Video signal-to-noise ratio	≥67dB
Differential gain	(10%-90%APL) DG <1% (typical value)
Differential phase	(10%-90%APL) DP <0.7° (typical value)
Video connector	BNC
Fiber-optic Specification	F/O connector: LC (SFP not included) Transmitter: Tx Power:-8 ~ -3dBm Sensitivity : ≤-22dBm Receiver: Tx Power:-8 ~ -3 dBm Sensitivity : ≤-22dBm Transmission Distance :20KM (single mode) Operating Wavelength: TX1310/RX1550nm (Transmitter); TX1550/RX1310nm (Receiver)
Dimensions	48.3 (L) x 22 (W) x 4.4 (H) cm (19"1U)
Operating Voltage	DC5V included
Operating Temperature	-40 ° to +85° C
Storing Temperature	-55 ° to + 85° C
Humidity	0 to 95% non-condensing
MTBF	≥100,000 hours

OPTIONALS

Data	Connector: Terminal Blocks Encoded type : RS485 / RS422 / RS232 Data rate : 0 - 400Kbps BER: ≤10 ⁻⁹
Audio	Connector: Terminal Blocks Audio input / output impedance :600Ω(Balance/ unbalance) Audio input / output voltage :2Vp-p (typical value) Audio input / output level :0dBm (typical value) Video bandwidth:10HZ~12KHZ Audio digital encoded bandwidth :24bit Audio signal-to-noise ratio: S/N≥95dB (weighted)
Telephone	Connector: RJ11 Bandwidth :8KHZ Features: Support call-showing function ;support H-F Operating mode : Point to point hotline mode / FXS-FXO
Ethernet	Connector: RJ45 Support mode : Half duplex or Full duplex Standards: IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M