

8CH FIBER VIDEO CONVERTER

Overview

BSD fiber-optic video transceivers can simultaneously transmit 8 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

Applications

Intelligent Transportation System
 Connection of Sub-network for Surveillance Center
 Public Security Surveillance
 High Way & Toll Station Surveillance
 High Quality Video Conference
 Industrial Closed Circuit Television Surveillance



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

BV-108 C	Fiber Video Converter 8 Positive video SC connection (a pair)
BV-108C-DR	Fiber Video Converter 8 Positive video +1 Data Return SC connection (a pair)
OPTIONS:	
AUDIO – add AR for 1 channel Audio Return; add BA for 1 channel Bidirectional Audio	
DATA – add 1D for 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	

Specifications

Video channels	8 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: FC/ST/SC Transmitter: Tx Power:-8 ~ -3dBm Sensitivity : ≤-35dBm Receiver: Tx Power:-15 ~ -8dBm Sensitivity : ≤-35dBm Transmission Distance :20KM (single mode) Operating Wavelength: TX1310/RX1550nm (Transmitter); TX1550/RX1310nm (Receiver)
Dimensions	19.2 (L) x 17.3 (W) x 5.6 (H) cm
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