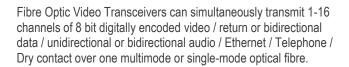




Networking & Telecommunications End-to End Solutions

Fibre Optic Active

Optical Video Converters – 4 Video Channels



These multiplexers are typically used in applications where the cameras have P/T/Z capabilities.

Plug and Play design ensures the ease of installation and operation.



Features & Benefits

- 8 bit digitally encoded and non-compression 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
- Dual Power Input (one DC Jack, one terminal.)
- Video AGC support.
- 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 from -10°C to 75°C, which is applied to the different working environment
- Hot-swap function
- Stand-alone type or card-type installed in 19" 2U or 4U rack-mount chassis
- Suitable for Intelligent Transportation System Connection of Sub-network for Surveillance Centre Public Security Surveillance High Way & Toll Station Surveillance Industrial Closed Circuit Television Surveillance





Networking & Telecommunications End-to End Solutions

Fibre Optic Active

Optical Video Converters – 4 Video Channels

Technical Specifications

Function	Description				
Video Channels	4 Channel				
Dimensions (cm)	19.2(L) x 17.3(W) x 2.8(H)				
Operating Voltage	DC 5V (We will offer external power supply from AC96-240V to DC 5V for each unit)				
Operating Temperature	-10°C to +75 °C				
Storing Temperature	-55 °C to +85°C				
Humidity	0 to 95% non-condensing				
MTBF	≥ 10 ⁵ Hours				
Video Bandwidth	5-7.5 MHz				
Automatic Compatible Video System	PAL, NTSC, SECAM				
Video Input / Output Impedance	75 Ω				
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				
Warranty	3 years				

Fibre Optic Specifications

Function	Description					
Fibre Optic Specification	F/O connector: FC/ST/SC					
Transmitter : Tx Power: -8 ~ -3dBm Sensitivity :≤-35dBm						
	Receiver : Tx Power:-15 ~ -8dBm Sensitivity :≤-24dBm					
Transmission Distance: 20KM (single mode)						
	Operating Wavelength: TX1310/RX1550nm (Transmitter) TX1550/RX1310nm (Receiver)					





Networking & Telecommunications End-to End Solutions

Fibre Optic Active

Optical Video Converters – 4 Video Channels

Specifications of Custom-made Options

Function	Description				
Data	Connector: Terminal Blocks Encoded type: RS485 / RS422 / RS232 /				
Data	Manchester				
	Data rate: 0 - 400Kbps				
	BER: ≤10 ⁻⁹				
	Connector: Terminal Blocks				
	Audio input / output impedance :600Ω(Balance/ unbalance)				
	Audio input / output voltage: 2Vp-p (typical value)				
Audio	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)				
	Connector: RJ11 Bandwidth :8KHZ				
Telephone	Features: Support call-showing function ;support H-F				
	Operating mode : Point to point hotline mode / FXS-FXO				
	Connector: RJ45				
	Support mode: Half duplex or Full duplex				
Ethernet	Standards: IEEE802.3				
	Data rate: 10M / 100Mbps				
	Bandwidth: 25M				
	Input voltage :-7~12V				
Dry Contact	Input current:0.04MA				
	Output current:<1A; Output voltage:<500V				

Ordering Information

Using the available configurations amend/create a part number using the formula below.

с это д то от										
Optical Video Converter		Video Channels		Transmit/Receive						
Optical Video Converter	OVC	4 4V		Transmit/Receive T/R						
	-									
OVC	S	4V	1D	T/R	FC					
Converter Style		Data Channels		Connector Type						
Standard S		1 1 D		FC FC						
Mini M				ST ST						
				SC	SC					
				LC	LC					

OVCS4V1DT/RFC - 4 Video Channel > 1 Data Channel Standard Optical Video Converter with FC Port