UPCOM

Video To Fiber Converters   MWV6400 Series

◆ 64 Channels Digital Video Optic Transceiver

➢ 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 from -10 ℃ to 65 ℃ , which is applied to the different working environment
● Hot-swap function
● 19''4U rack-mount chassis.

➢ Introduction

UPCOM fiber-optic video transceivers MWV6400 series can simultaneously transmit 64 channels of 8-bit digitally encoded broadcast quality video/return or bidirectional data/unidirectional or bidirectional audio/Ethernet/Telephone/Dry contact over one multimode or single-mode optical fiber. 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. 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.

➢ Specification

Technical	
Video channels	64 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
TX	Power:-15 ~ -8dBm Sensitivity :≤-35dBm
RX	Power:-15 ~ -8dBm Sensitivity :≤-35dBm
Transmission Distance	20KM (single mode)
Operating Wavelength	TX1310/RX1550nm (Transmitter); TX1550/RX1310nm (Receiver)
Custom-made options	
Data	
Connector	Terminal Blocks
Encoded type	RS485 / RS422 / RS232 / Manchester
Data rate	0 - 400Kbps
BER	$\leq 10^{-9}$
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
Characteristic	
Dimensions	48.3(L)×22(W)×4.4(H) cm(19"1U)
Operating Voltage	AC96-240V
Operating Temperature	-10 ℃ to +65 ℃
Storing Temperature	-45 ℃ to +85 ℃
Humidity	0 to 95% non-condensing
MTBF	$\geq 10^{5}$ hours
Warranty	5 years
Approvals	FCC,CE, RoHS approvals

➢ Application

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

➢ Ordering Information

Model NO.	Description
MWV6400	64 channels positive video
MWV6401	64 channels positive video+ 1channel Reverse RS232/RS422/RS485 Data

➢ Packing List

- MWV6400series digital video optic transceiver×1
- User manual ×1
- 220V power line ×1