

Fiber-optic CCTV Video Multiplexer


HY-link fiber-optic video transceivers can simultaneously transmit 1-64 channels of 8-bit digitally encoded 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

PRODUCT CHARACTERISTICS:

- ✦ 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
- ✦ 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 -107 to 757, which is applied to the different working environment
- ✦ Hot-swap function
- ✦ Stand-alone type or card-type installed in 19' 2U rack-mount chassis

Fiber-optic CCTV Video Multiplexer: **HY1V**

Technical Specification

Video channels	1 channel	
Video bandwidth	5-7.5 MHz	
Automatic compatible video system	PALNTSCSECAM	
Video input/ output impedance	75 Ω	
Video signal-to-noise ratio	≥60dB	
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	FC ST SC(optional) Transmitter: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm Receiver: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm Transmits distance single mode:20km,multimode:2km Operating Wavelength: 1310nm&1470nm~1610nm
----------------------------------	--

Specification of custom-made options

Data	Connector: Terminal Blocks Rs232 RS422 Rs485 Data rate:0~300kbps Error rate 10e-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)
--------------	---

Ethernet	Connector: Rj45 Support mode : Half duplex or Full duplex Standards IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M
-----------------	--

Work voltage 90V~240V AC
 Work temperature 35°C ~ 70°C
 Dimension and weight 110 mm x 115mm x 25mm ,2kg/part


Fiber-optic CCTV Video Multiplexer: **HY2V**

Technical Specification	
Video channels	2 channel
Video bandwidth	5-7.5 MHz
Automatic compatible video system	PALNTSCSECAM
Video input/ output impedance	75 Ω
Video signal-to-noise ratio	≥60dB
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	FC ST SC(optional) Transmitter: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm Receiver: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm Transmits distance single mode:20km,multimode:2km Operating Wavelength: 1310nm&1470nm~1610nm
Specification of custom-made options	
Data	Connector: Terminal Blocks Rs232 RS422 Rs485 Data rate:0~300kbps Error rate 10e-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)
Ethernet	Connector: Rj45 Support mode : Half duplex or Full duplex Standards IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M
Work voltage 90V~240V AC Work temperature 35°C ~ 70°C Dimension and weight 110 mm x 115mm x 25mm ,2kg/part	



Fiber-optic CCTV Video Multiplexer: **HY4V**

Technical Specification

Video channels	4 channel	
Video bandwidth	5-7.5 MHz	
Automatic compatible video system	PALNTSCSECAM	
Video input/ output impedance	75 Ω	
Video signal-to-noise ratio	≥60dB	
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

FC ST SC(optional)
 Transmitter: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm
 Receiver: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm
 Transmits distance single mode:20km,multimode:2km
 Operating Wavelength: 1310nm&1470nm~1610nm


Specification of custom-made options

Data	Connector: Terminal Blocks Rs232 RS422 Rs485 Data rate:0~300kbps Error rate 10e-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)
Ethernet	Connector: Rj45 Support mode : Half duplex or Full duplex Standards IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M

Work voltage 90V~240V AC
 Work temperature 35°C ~ 70°C
 Dimension and weight 110 mm x 115mm x 25mm ,2kg/part

Fiber-optic CCTV Video Multiplexer: **HY8V**

Technical Specification

Video channels	8 channel	
Video bandwidth	5-7.5 MHz	
Automatic compatible video system	PALNTSCSECAM	
Video input/ output impedance	75 Ω	
Video signal-to-noise ratio	≥60dB	
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

FC ST SC(optional)
 Transmitter: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm
 Receiver: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm
 Transmits distance single mode:20km,multimode:2km
 Operating Wavelength: 1310nm&1470nm~1610nm


Specification of custom-made options

Data	Connector: Terminal Blocks Rs232 RS422 Rs485 Data rate:0~300kbps Error rate 10e-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)
Ethernet	Connector: Rj45 Support mode : Half duplex or Full duplex Standards IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M

Work voltage 90V~240V AC
 Work temperature 35°C ~ 70°C
 Dimension and weight 210 mm x 205mm x 45mm ,3.5kg/part

Fiber-optic CCTV Video Multiplexer: **HY16V**

Technical Specification

Video channels	16 channel	
Video bandwidth	5-7.5 MHz	
Automatic compatible video system	PALNTSCSECAM	
Video input/ output impedance	75 Ω	
Video signal-to-noise ratio	≥60dB	
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

FC ST SC(optional)
 Transmitter: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm
 Receiver: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm
 Transmits distance single mode:20km,multimode:2km
 Operating Wavelength: 1310nm&1470nm~1610nm


Specification of custom-made options

Data	Connector: Terminal Blocks Rs232 RS422 Rs485 Data rate:0~300kbps Error rate 10e-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)
Ethernet	Connector: Rj45 Support mode : Half duplex or Full duplex Standards IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M

Work voltage 90V~240V AC
 Work temperature 35°C ~ 70°C
 Dimension and weight 480 mm x 155mm x 45mm ,4.5kg/part

Fiber-optic CCTV Video Multiplexer: **HY32V**

Technical Specification

Video channels	32 channel	
Video bandwidth	5-7.5 MHz	
Automatic compatible video system	PALNTSCSECAM	
Video input/ output impedance	75 Ω	
Video signal-to-noise ratio	≥60dB	
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

FC ST SC(optional)
 Transmitter: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm
 Receiver: Tx Power:-15 ~ -8dBm Sensitivity :-35dBm
 Transmits distance single mode:20km,multimode:2km
 Operating Wavelength: 1310nm&1470nm~1610nm

Specification of custom-made options

Data	Connector: Terminal Blocks Rs232 RS422 Rs485 Data rate:0~300kbps Error rate 10e-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)
Ethernet	Connector: Rj45 Support mode : Half duplex or Full duplex Standards IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M

Work voltage 90V~240V AC
 Work temperature 35°C ~ 70°C
 Dimension and weight 480 mm x 155mm x 75mm ,6kg/part