

Single Fiber Bi-Direction Digital Video System

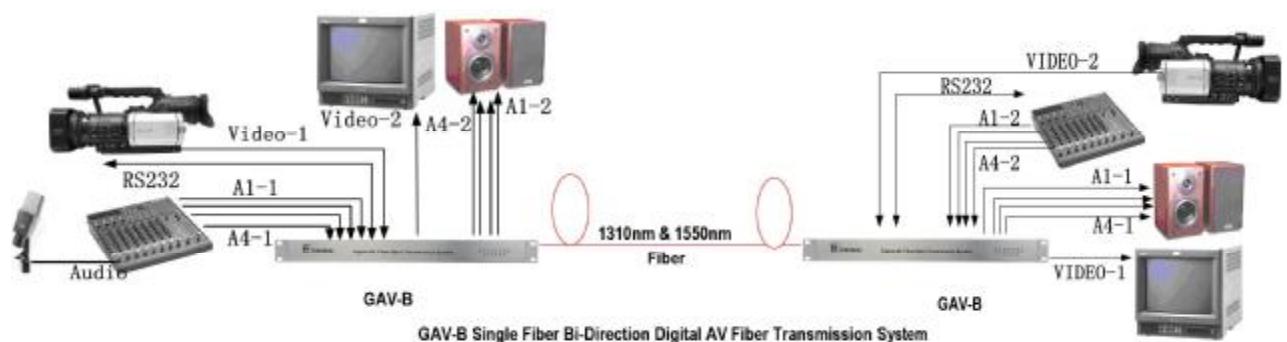


By means of single fiber bi-direction technology, GAV-B series digital video system can exchange 1 video, 2 audios and RS232 or Ethernet between any two sites over one single mode fiber. The analog AV and data conversion is 10bit for video and 20bit for Audio. GAV-B offers a fiber saving solution for broadcasting quality AV exchange and video conference.

Features:

- I Single Fiber Bi-Direction Technology
- I 10bit video conversion and 20bit audio conversion
- I Wide dynamic video AGC supports 0.6V~1.6V video input level
- I Audio output can be balanced/unbalanced auto switching with ESD protection
- I RS232 for PTZ control optional
- I 10/100M Ethernet Optional
- I Maximum fiber distance up to 100Km

Applications:



Specifications

Video Input		Audio Input	
Video Channel	1	Audio Channel	2 (Standard), 4 (Optional)
Video Level	0.6~1.6 V _{P-P}	Max. Audio Level	17.4 V _{P-P} (+18dBm)
Video Impedance	75Ω	Audio Bandwidth	20Hz~20 KHz
Connector	BNC	Audio Impedance	600Ω
		Connector	XLR
Optical Parameter			
Wavelength	1310 nm/1550 nm or CWDM wavelength		
TX power	-12dBm~3 dBm		
RX sensitivity	-29dBm~-3 dBm		
Transmission	20Km, 40Km, 60Km, 80Km, 100Km		
Connector	SC/PC		
Video Output		Audio Output	
Video Channel	1	Audio Channel	2 (Standard), 4 (Optional)
Output Level	1 V _{P-P}	Maximum Level	17.4 V _{P-P} (+18dBm)
SNR	> 71dB	SNR	> 86 dB (unweighted)
Differential Gain	< 1%	Harmonic Distortion	< 0.2 %
Differential Phase	< 1°	Bandwidth	20Hz~20 KHz @-0.5 dB
Flatness	±0.2dB to 5.75MHz	Audio Channel Isolation	> 90 dB @ 1KHz
Lum/Chr Delay	< 10ns		> 90 dB @20KHz
Impedance	75Ω	Impedance	40Ω
Connector	BNC	Connector	XLR
RS232 (Optional)	< 1M bit/s		
Ethernet (Optional)	10/100M Auto Negotiation		
Operation Temperature	0~45°C		
Power Supply	AC 95~265V, 50/60Hz		
Power Consumption	<20W		
Dimension	430×230×43 (mm)		

Ordering Information:

GAV-B-XY (e.g. GAV-B-60)

X (Fiber distance): 20-20Km, 40-40Km, 60-60Km, 80-80Km, 100-100+Km

Y (Data Option): None_No Data, D_RS232 Data, E_10/100M Ethernet