



Video/Audio Link(Transceiver)



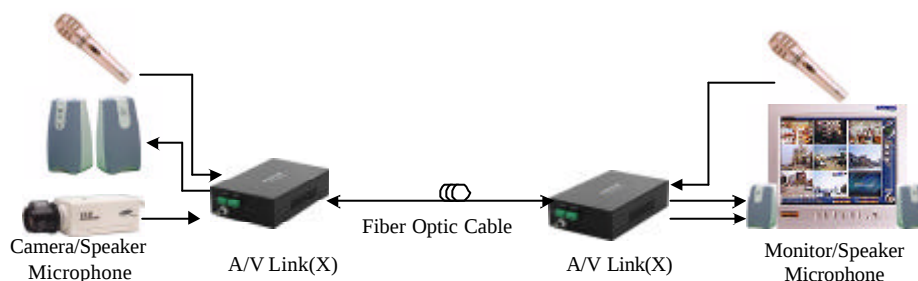
➤ Main Features

- Composite (NTSC, PAL, SECAM, RS-170, CCIR)
- 5Hz ~ 10MHz video bandwidth
- 2.2V_{p-p}(600 Ohm) input audio signals
- 20Hz ~ 20KHz audio bandwidth
- Transmission distance up to 80km(at 1550nm SM)
- 7~25Vdc, 12~24Vac free-volt power input
- > 65dB SNR
- Digital modulation
- Ambient operating temperature : -40~70°C

➤ Descriptions

Cominet's Video/Audio Link converts video signals from cameras and audio signals from microphones to optic signals and transmits up to 80km. It is free from electric noise compare to coaxial cable and has the powerful advantage that transmits multi-channels of video/audio signals without additional equipment through a pair of or just one optic line. DM(Digital Modulation) type of optic link can transmits 4 channels of video and 8 channels of audio signals and more, and DM type is immune from noise and can transmits higher quality of signals to long distance remote site.

➤ Applications



➤ Ordering Information

Mode	Model Name	Description	Fiber Count	Max. Distance
Multi Mode	T120-32XT/R-80	1ch Video, 2ch Audio bi-dir. Transceiver DM 850nm	2	1Km
	T120-32XT/R-30	1ch Video, 2ch Audio bi-dir. Transceiver DM 1310nm		2Km
Single Mode	T120-32WA-A0	1ch Video, 2ch Audio bi-dir. Transceiver DM 850/1310nm	1	2Km
	T120-32WB-B0	1ch Video, 2ch Audio bi-dir. Transceiver DM 1310/850nm		
	T120-32XT/R-32	1ch Video, 2ch Audio bi-dir. Transceiver DM 1310nm	2	20Km
	T120-32XT/R-54	1ch Video, 2ch Audio bi-dir. Transceiver DM 1550nm		40Km
	T120-32XT/R-56	1ch Video, 2ch Audio bi-dir. Transceiver DM 1550nm		60Km
	T120-32XT/R-58	1ch Video, 2ch Audio bi-dir. Transceiver DM 1550nm		80Km
	T120-32WA-C2/4	1ch Video, 2ch Audio bi-dir. Transceiver DM 1310/1550nm	1	20/40Km
	T120-32WB-D2/4	1ch Video, 2ch Audio bi-dir. Transceiver DM 1550/1310nm		
	T120-32WA-C6/8	1ch Video, 2ch Audio bi-dir. Transceiver DM 1310/1550nm	1	60/80Km
	T120-32WB-D6/8	1ch Video, 2ch Audio bi-dir. Transceiver DM 1550/1310nm		

Cominet Fiber Optic Link

➤ Specifications

Specifications	Transceiver-Transmitter(T120-32x-xx)		Transceiver-Receiver(T120-32x-xx)	
	XT-80, XT-31 WA-A0	XT-32, 54, 56, 58 WA-C2, 4, 6, 8	XR-80, XR-31 WB-B0	XR-32, 54, 56, 58 WB-D2, 4, 6, 8
Optical Specifications				
Fiber Type	Multi-Mode	Single-Mode	Multi-Mode	Single-Mode
Number of Fiber	2 fiber 1 fiber	2 fiber 1 fiber	2 fiber 1 fiber	2 fiber 1 fiber
Wavelength(nm)	850, 1310 850/1310	1310, 1550 1310/1550	850, 1310 1310/850	1310, 1550 1550/1310
Max Distance(km)	2, 4 2	20, 40, 60, 80	2, 4 2	20, 40, 60, 80
Connector	ST (FC – Option)			
Video Input/Output Signal Specifications				
Number of Channels	1, 2, 4 channel			
Video Input/Output Signal	1V _{p-p} (75Ohm) Composite (NTSC, PAL, SECAM, RS-170, CCIR)			
Bandwidth	5Hz ~ 10MHz			
Differential Gain	< 2%			
Differential Phase	< 2°			
Signal-Noise	> 65dB			
Connector	BNC			
Audio Input/Output Signal Specifications				
Number of Channels	2, 4, 8 channels			
Audio Input/Output Signal	2.2V _{p-p} (600 Ohm)			
Bandwidth	20Hz ~ 20KHz			
Signal-Noise Ratio	60dB			
Connector	RCA Jack			
Power Specifications				
Input Voltage	7~25Vdc, 12~24Vac			
Power Consumption(W)	7.5			
Connector	Terminal Block			
Environment Specifications				
Operating Temperature	-40°C ~ 70°C			
Storage Temperature	-50°C ~ 85°C			
Humidity	0% ~ 95%(Non-Condensing)			
Physical Specifications				
Dimension(L×W×H)	Standalone type : 180.5×118.2×39.5(mm) Rack mountable type : 19" width, 1U height Line-card type : 3U height			



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