

Video/Data Link(Transceiver)



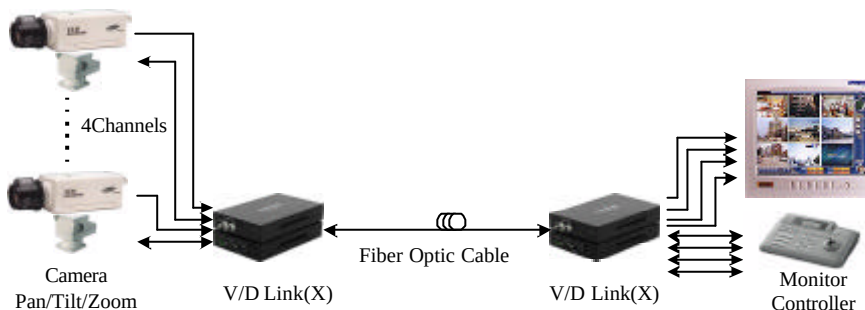
➤ Main Features

- Composite (NTSC, PAL, SECAM, RS-170, CCIR)
- 5Hz ~ 10MHz video bandwidth
- 112Kbps data Rate
- Half/Full duplex operating mode
- $< 1/10^9$ bit error rate
- Transmission distance up to 80km(at 1550nm SM)
- 7~25Vdc or 12~24Vac free-volt power input
- $> 65\text{dB}$ SNR
- Digital modulation
- Ambient operating temperature : $-40\sim 70^\circ\text{C}$

➤ Descriptions

Cominet's Video/Data Link converts video signals from cameras and RS-232/422/485 data signals 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/data signals without additional equipment through a pair of or just one optic line. FM(Frequency Modulation) type of optic link can transmits maximum 4 channels of video signals and 4 channels of data signals and DM(Digital Modulation) type has the capability of 8 channels of video signals and 4 channels of data signals and more. Compare with analog(FM) type, 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	C101-31XT/R-80	1ch Video, 1ch Data bi-dir. Transceiver DM 850nm	2	2Km
	C401-31XT/R-30	4ch Video, 1ch Data bi-dir. Transceiver DM 1310nm		2Km
	C404-31WA-A0	4ch Video, 4ch Data bi-dir. Transceiver DM 850/1310nm	1	2Km
	C404-31WB-B0	4ch Video, 4ch Data bi-dir. Transceiver DM 1310/850nm		
Single Mode	C404-31XT/R-32	Max 4ch Video, 4ch Data bi-dir. Transceiver DM 1310nm	2	20Km
	C404-31XT/R-54	Max 4ch Video, 4ch Data bi-dir. Transceiver DM 1550nm		40Km
	C404-31XT/R-56	Max 4ch Video, 4ch Data bi-dir. Transceiver DM 1550nm		60Km
	C404-31XT/R-58	Max 4ch Video, 4ch Data bi-dir. Transceiver DM 1550nm		80Km
	C201-31WA-C2/4	2ch Video, 1ch Data bi-dir. Transceiver DM 1310/1550nm	1	20/40Km
	C404-31WB-D2/4	Max 4ch Video, 4ch Data bi-dir. Transceiver DM 1550/1310nm		
	C404-31WA-C6/8	Max 4ch Video, 4ch Data bi-dir. Transceiver DM1310/1550nm	1	60/80Km
	C404-31WB-D6/8	Max 4ch Video, 4ch Data bi-dir. Transceiver DM 1550/1310nm		

Cominet Fiber Optic Link

➤ Specifications

Specifications	Transceiver-Transmitter (C404-31x-xx)		Transceiver-Receiver (C404-31x-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, 8 channels			
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			
Data(RS-232/RS-422/RS-485) Input/Output Signal Specifications				
Number of Channels	1, 2, 4 channels			
Operating Mode	Half/Full Duplex			
Data Rate	112Kbps			
Bit Error Rate	< 1/10 ⁹			
Connector	D-Sub 9pin Male			
Power Specifications				
Input Voltage	7~25Vdc or 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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