

Video Link

GEUTEBRÜCK

Telete

CF0321 MULTIMODE 1 CHANNEL VIDEO WITH DUPLEX DATA/CC LINK

The CFO First Mile series provides a reliable zero-delay transmission of video, data and contact closure information for CCTV applications such as security and surveillance.

CF0321 link offers a 10-bit video transmission with one bi-directional data and one contact closure over one multimode fibre.

High quality video signal can be achieved over distances up to 5 km depending on the bandwidth of the multimode fibre in use.

The primary application is a point-to-point transmission from camera to monitoring centre. In advanced video network systems the CF0321 offers a flexible way for first mile transfer to the nearest collection point of a larger scale network.

The first offering in CF0321 range will be a compact size and field-hardened transmitter CPT321 and a standard 5HP rack card receiver CRR321.

CPT321 is meant for stand-alone installations and has an option for DIN mount rail installation as well.

Both units are configurable on data settings by means of a simple DIP switch operation.

As with all CFO Platform products the units meet all standard EMC and environmental requirements.



CPT321 with extensive operational temperature range and compact design is ideal for demanding outdoor camera installations in harsh environments.



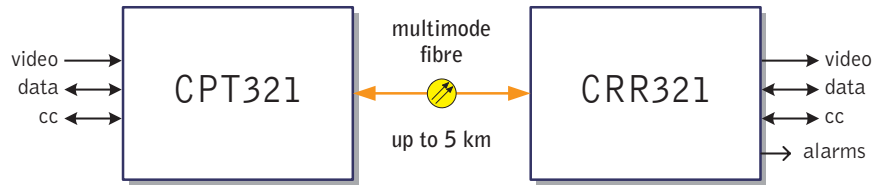
Video link

CF 0321

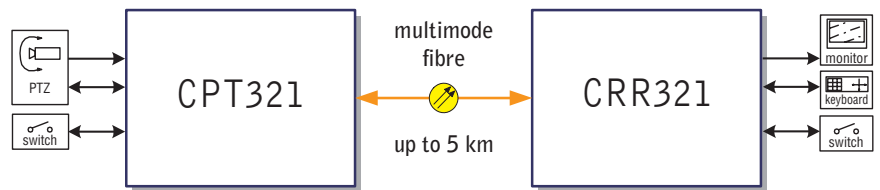
FEATURES AND BENEFITS

- High performance uncompressed zero delay digital video, SNR 67 dB
- 10 bit video sampling
- PAL/NTSC/CVBS video
- Bi-directional data and contact closure transmission (TX <--> RX)
- Supports EIA232/422/485 data interfaces
- Transmission on one multimode fibre up to 5 km
- Units for rack mount or stand-alone installations
- Transmitter unit available in a special mini-size stand-alone design
- International EMC and environmental conformance
- -34...+74 °C operating temperature

BLOCK DIAGRAM



APPLICATION EXAMPLE



TECHNICAL SPECIFICATIONS

Parameter	Specification	Note	Parameter	Specification	Note
Optical, forward			Data		
Output wavelength	1310 nm		Number of channels	1	bi-directional
Output power	-3 dBm	62,5/125 um fibre	Data format	RS232/422/485	selectable
Input sensitivity	-16 dBm		Data rate	0...230 kbps	
Bit rate	220 Mbps		Sampling rate	16 MHz	
Optical, return			Contact Closure		
Output wavelength	850 nm		Number of channels	1	bi-directional
Output power	-3 dBm	62,5/125 um fibre	Input	dry contact	
Input sensitivity	-18 dBm		Output	24V / 1A (relay)	max
Bit rate	20 Mbps		Switching frequency	5 Hz	
Video			General		
Number of channels	1	uni-directional	Supply voltage	10.5...14 VDC	regulated
Sampling rate	13.5 MHz			24 VAC	nominal
Sampling resolution	10 bit		Current consumption	300 mA	max
Impedance	75 ohm		Dimensions	3U x 5HP x 190 mm	CRR321 without CMA
Input level	1 Vpp			25 x 45 x 45 mm	CPT321
Clipping level	1.75 Vpp		Weight	0.5 kg	
Bandwidth	5.5 MHz	-1 dB	Connectors		
Insertion gain	+/-1 dB		Video	BNC female	
C/L gain inequality	4 %		Data & CC	Screw terminal	
C/L delay inequality	40 ns		Power	Screw terminal	CPT321
Differential gain	2 %		Optical	ST	
Differential phase	1°		Alarms		
SNR	67 dB	weighted	Hardware	A alarm	CRR321
			Optical input signal	B alarm	CRR321
			Video & link status	LED displays	CPT321
			Operating temperature	-34...+74 °C	field-hardened
			Storage temperature	-40...+80 °C	
			Humidity	0...95 %	non condensing
			Emissions	EN55022-B	
			Susceptability	EN50130-4	



Order No. CPT-321
Order No. CRR-321

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