

## CF0200 MULTIMODE SINGLE CHANNEL VIDEO LINK WITH RETURN TELEMTRY



**The CF0 First Mile series provides high quality reliable transmission of video for CCTV applications such as security and surveillance.**

CF0200 link offers zero delay video transmission with return telemetry data over two multimode fibres.

High quality video pictures can be achieved on multimode fibre, over distances up to 3...4 km depending on the type of fibre used.

The application area covers for the transmission from camera to monitoring centre as well as the first part of a total video network from camera to collection point for multi-channel video transmission or video networking.

The CF0200 link consist of three different cards. Video Transmission is provided between CRT212 and CRR111. Data transmission (return telemetry) is provided between CRT212 and CDT211.

Units are used for standard 19" CSR rack installations, as well as for stand-alone installations in CMA wall mount adapter.

The CF0200 link is compatible with all CFO system mechanics, and as with all CFO platform products, the unit meets all international EMC and environmental requirements.



**CRR113 video receiver can be also used instead CRR111 with CRT212.**



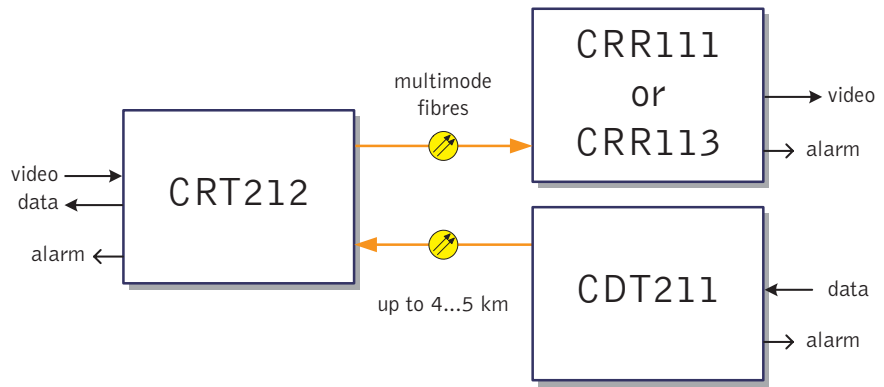
# Video Link

**CF0200**

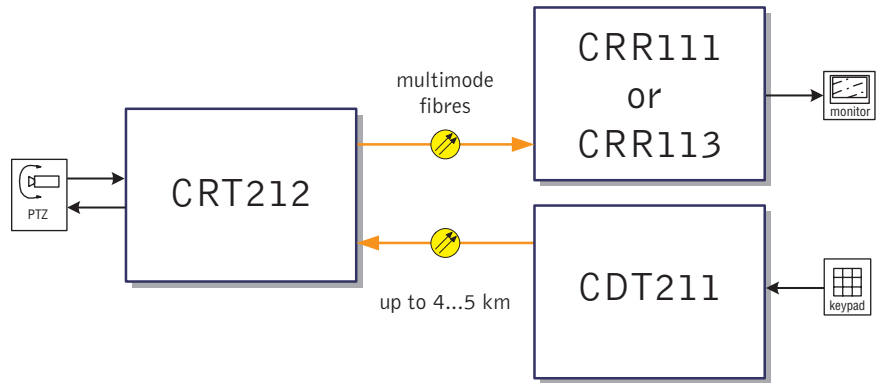
## FEATURES AND BENEFITS

- Low cost video transmission
- High performance uncompressed zero delay video
- PAL/NTSC/CVBS video
- DIP switch selectable data formats
- Supports EIA232/422/485, TTL, FSK, C/L (current loop) and contact closure interfaces
- Transmission on two multimode fibres up to 3...4 km
- Fault alarm output in CRT/CRR module
- 1 channel video transmitter/data receiver, data transmitter and video receiver cards
- AGC standard - no adjustment required
- Compatible with all CFO installation systems
- International EMC and environmental conformance
- CE Approved

## BLOCK DIAGRAM



## APPLICATION EXAMPLE



## TECHNICAL SPECIFICATIONS (Typical values unless otherwise stated)

Parameter	Specification	Note	Parameter	Specification	Note
<b>Optical, Video (CRT212 &amp; CRR111)</b>			<b>Data (CDT211)</b>		
Output power	-10 dBm -14 dBm	62.5 µm fibre 50 µm fibre	Number of channels	1 uni-directional	CRT212 <-- CDT211
Received power (min)	-27 dBm		Data formats	RS232/422/485 /TTL/FSK	selectable
Wavelength	860 nm		Data rate	0...20 kbps 0...100 kbps 100 bps...100 kbps TTL (20 mA C/L) FSK contact closure	RS232 RS422 RS485 active & passive 1 contact
<b>Optical, Return Data (CDT211)</b>			<b>General</b>		
Number of channels	1	CRT212 <-- CDT211	Supply voltage	10.5...14 V DC	
Output power	-10 dBm -15 dBm	62.5 µm fibre 50 µm fibre	Current consumption	250 mA 200 mA 150 mA	CRT212 CRR111 CDT211
Received power (min)	-40 dBm		Dimensions (H x W x D)	3U • 5HP • 190 mm	CRT212 & CRR111
Wavelength	860 nm		Weight	0.5 kg	
<b>Video</b>			<b>Connectors</b>		
Number of channels	1 uni-directional	CRT212 --> CRR111	Video	BNC female	
Impedance	75 ohm		Data	HD26 female	
Return loss	20 dB		Optical	ST	
Level	1.0 Vp-p		<b>Alarm signals</b>		
Gain	± 10 %	1 V	Video detect	B1	CRT212 & CRR111
Clipping level	1.5 Vp-p		Missing optical input signal	B1	CRR111
Bandwidth	10 MHz	-3 dB	Operating temperature	-10...+55 °C	
Frequency response	1 dB	10Hz...5 MHz	Storage temperature	-30...+70 °C	
C/L gain	10 %		Humidity	0...95 %	non condensing
C/L delay	10 ns		Emission	EN 50081-1	
Differential gain	5 %		Immunity, standard	EN 50082-1	
Differential phase	2 °		Immunity, enhanced	EN 50082-2	

## TELESTE VIDEO NETWORKS

P.O. BOX 323, FIN-20101 TURKU, FINLAND  
 PHONE +358-2-2605 611, FAX +358-2-2605 880  
[info.vn@teleste.com](mailto:info.vn@teleste.com)



[www.teleste.com](http://www.teleste.com)

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