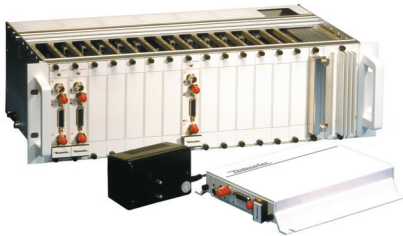


CF0 SERIES - CF0200

SINGLE CHANNEL MULTIMODE FIBRE TRANSMISSION

Teleste's CF0200 Series provides high quality reliable transmission of video signals and return telemetry on two multimode fibres for CCTV applications such as security and surveillance. Depending on the attenuation of the optical signal path, high quality video pictures can be achieved over distances of 3 or 4 km on multimode optical fibre without the need for video amplifiers or line correction equipment.

In addition to rack installation, CF0200 is available in a module adapter for stand-alone installation.



FEATURES AND BENEFITS

- Low Cost Video Transmission
- DIP Switch Selectable Data Formats
- Only one Card Type Required for all Formats Supported
- Dual Subcarrier Audio/Data Transmission Available with Optional Subcarrier Units
- AGC Standard - No Adjustment Required
- Compatible with all CF0 Installation Systems
- CE Approved



Video x 1

Data x 1

Audio/Data x 2

Subcarrier option

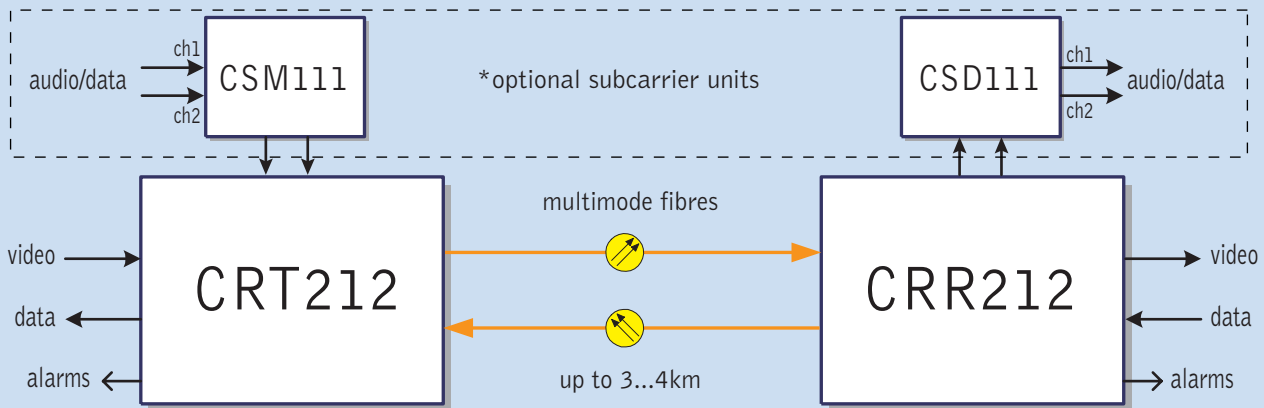
CFO SERIES - CF0200
SINGLE CHANNEL MULTIMODE FIBRE TRANSMISSION



SYSTEM SPECIFICATIONS (Typical values unless otherwise stated)

PARAMETER	VALUE	UNIT	COMMENTS	PARAMETER	VALUE	UNIT	COMMENTS
Optical (Video)				Electrical			
Output Power	-10	dBm	62.5/125 µm fibre	Supply Voltage	10.5...14	V DC	
Received Power (Min)	-14	dBm	50/125 µm fibre	Current Consumption	250	mA	CRT212
Wavelength	-27	dBm			300	mA	CRR212
	860	nm		Mechanical			
Optical (Data)				Dimensions (H x W x D)	3U x 5HP x 190mm		
Output Power	-10	dBm	62.5/125 µm fibre	Weight	0.5	kg	
Received Power (Min)	-15	dBm	50/125 µm fibre	Connectors			
Wavelength	-40	dBm		Video	BNC female		
	860	nm		Data	HD26 female		
Video				Optical	ST		
Number of Channels	1		uni-directional	Alarm Signals			
Impedance	75	ohm		Video Detect	B1		CRT212 & CRR212
Return Loss	20	dB		Missing Optical Input Sign.	B1		CRR212
Level	1.0	Vp-p		Missing Data Carrier	B2		CRT212
Gain	± 0.1	%	1 V	Environmental			
Clipping Level	1.5	Vp-p		Operating Temperature	-10...+55	°C	
Bandwidth	10	MHz	-3dB, video filter off	Storage Temperature	-30...+70	°C	
Frequency response	1	dB	10Hz...5MHz	Humidity	0...95	%	non condensing
C/L Gain	10	%		Electromagnetic Compatibility (EMC)			
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		
Luminance Non-Linearity	5	%		Data			
Short time Distortion	1	%	2TK-factor	Number of Channels	1		uni-directional
				Data Formats	RS232		0...20 kbit/s
				(selectable by dip switch)	RS422		0...100 kbit/s
					RS485		100 bit/s...100 kbit/s
					TTL		
					20mA C/L active and passive		
					FSK		
					contact closure		1 contact

BLOCK DIAGRAM



CONTACT OFFICES

TELESTE VIDEO NETWORKS

Finland, Turku (Headquarters & Nordic)
 UK, Cambridge (UK & International)
 USA, Georgetown TX (Americas)
 USA, Crownsville MD (US East)
 USA, Landera Ranch CA (US West)
 Germany, Bonn (Central Europe)
 France, Magny le Hongre (France)
 Belgium, Brussels (Benelux)
 Spain, Madrid (Spain)
 China, Sanghai (China)
 Singapore (APAC)

Tel. +358 2 2605 611 Fax. +358 2 2605 880
 Tel. +44 1223 505 111 Fax. +44 1223 518 370
 Tel. +1 512 868 2009 Fax. +1 512 868 8112
 Tel. +1 410 923 4388 Fax. +1 410 923 0457
 Tel. +1 949 388 5070 Fax. +1 949 388 5159
 Tel. +49 7000 2288 366 Fax. +49 7000 2288 529
 Tel. +33 1 6463 3223 Fax. +33 1 6043 6710
 Tel. +32 2 7110 090 Fax. +32 2 7110 099
 Tel. +34 91 434 1840 Fax. +34 91 501 8090
 Tel. +86 21 2890 3099 Fax. +86 21 2890 3097
 Tel. +65 97 33 0212 Fax. +65 6779 8924

info.vidnet@teleste.com
 www.teleste.com/cctv

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