

Fibre Optic Transmission System

Dual Channel AM Video Receiver

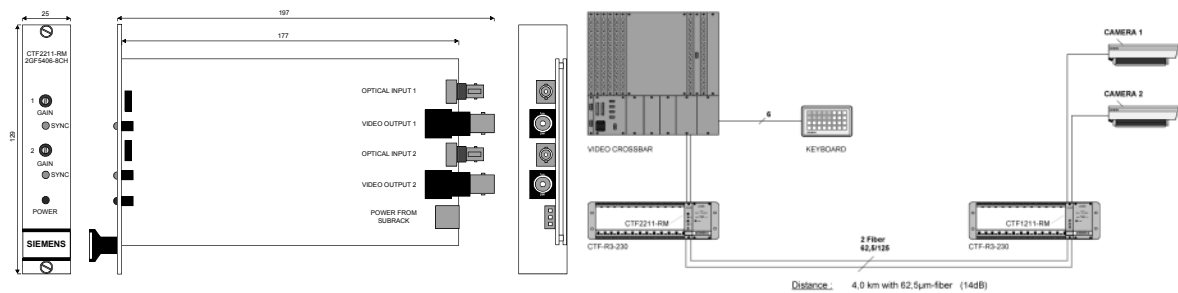
CTF2211-RM

850 nm, Rack Mount Module

- **AM video transmission**
- **NTSC, PAL, SECAM compatible**
- **Full colour compatibility**
- **Two independent receivers in one module**
- **Can be used to double the fixed video capacity of the 19-inch-rack CTF-RM-230**
- **Plug-and-Play design for ease of installation**
- **No in-field electrical or optical adjustments required**
- **Power and sync detect status indicating LEDs to monitor system performance**
- **Hot-swappable rack module**
- **Automatic resettable fuses on all power lines**

The CTF2211-RM dual video receiver detects two independent AM video signals in one module on two independent multimode fibre optic cables. The module is not a multiplexer. The module is ideal for smaller CCTV installations and can be used to double the fixed video capacity of the CTF-RM-230 rack for up to 28 independent video channels per card cage. The module utilizes manual gain control. Plug-and-Play design ensures ease of installation. The module incorporates power and sync detect status indicating LEDs for monitoring proper system operation.

Module design and System design (example)



Technical Data

Specifications

Video

Video input	1 V _{PP} (75 ohms)
Bandwidth	5 Hz to 10 MHz
Differential gain	< 5 %
Differential phase	< 5°
Tilt	< 1 %
Signal-to-noise ratio	60 dB typical, 54 dB minimum
Wavelength	850 nm
Number of fibres	2
Fibre multi mode	62.5/125 µm
Sensitivity	1 µw (-30 dBm)
Optical power budget	
with 62.5/125 µm	14 dB
with 50/125 µm	10 dB

Connectors

Optical	ST
Video	BNC (gold plated centre-pin)
Power	Via board connector of rack

Electrical and mechanical

Power supply	From rack
Number of rack slots	1
Current protection	Automatic resettable solid-state current limiters
Circuit board	Meets IPC Standard
Dimensions (W x H x D)	25 x 129 x 197 mm
Weight	0.9 kg

Environmental

MTBF	> 100,000 hours
Operating temperature	-40 to +74 °C
Storage temperature	-40 to +85 °C
Relative humidity	0 to 95%, no condensation

Ordering data

Type	Part no.	Designation	Weight
CTF2211-RM	2GF5406-8CH	Dual Channel AM Video Receiver 850 nm, Multi Mode, 2 fibres Rack mount card, 1 slot	0.9 kg