

Fibre Optic Transmission System

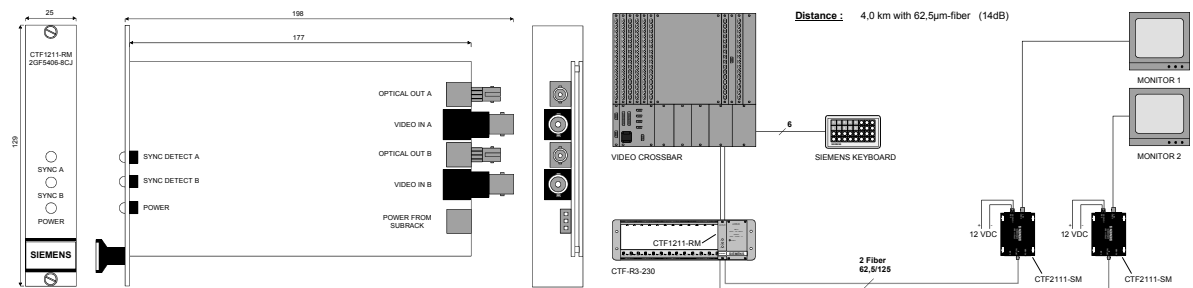
## Dual Channel AM Video Transmitter CTF1211-RM

850 nm, Rack Mount Module

- **AM video transmission**
- **NTSC, PAL, SECAM compatible**
- **Full colour compatibility**
- **Two independent transmitters in one module**
- **Can be used to double the fixed video capacity of the 19-inch rack CTF-R3-230**
- **No in-field electrical or optical adjustments required**
- **Power and sync detect status indicating LEDs to monitor system performance**
- **Automatic resettable fuses**
- **Hot-swappable rack module**

The CTF1211-RM dual video transmitter provides transmission of two independent fixed video signals in one module utilizing AM modulation on two independent multi-mode 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. Plug-and-Play design ensures ease of installation requiring no electrical or optical adjustment. The module incorporates a power, and channel A and B sync detect status indicating LED, for monitoring proper system operation.

## Module design and System design (example)



## Technical data

### Specifications

#### Video

Video input 1 V<sub>PP</sub> (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

#### Optical power budget

with 62.5/125 µm 14 dB

with 50/125 µm 10 dB

Output 25 µW (-16 dBm)

### 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 198 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
CTF1211-RM	2GF5406-8CJ	Dual Channel AM Video Transmitter 850 nm, Multi Mode, 2 fibres Rack mount card, 1 slot	0.9 kg