

Fibre Optic Transmission System

## Video Receiver, TTY Transmitter

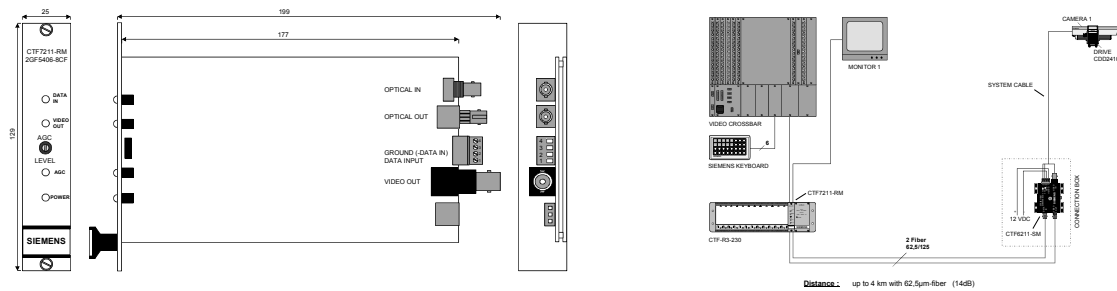
CTF7211-RM

850 nm, Rack Mount Module

- **Compatible with Siemens camera control units**
- **AM video transmission (RX) and data (TX, TTY)**
- **NTSC, PAL, SECAM compatible**
- **Full colour compatibility**
- **Full range automatic gain control (AGC)**
- **No in-field electrical or optical adjustments required**
- **Power, video presence, data out, and AGC status indicating LEDs to monitor system performance**
- **Hot-swappable rack module**
- **Automatic resettable fuses on all power lines**

The CTF7211-RM video receiver and current loop transmitter supports the simultaneous transmission of video and one way return current loop over two multi mode optical fibres. Plug-and-Play design ensures ease of installation requiring no electrical or optical adjustments. The module incorporates power, video presence, data and AGC status indicating LEDs to monitor proper system operation. Compatible with Siemens camera control units.

## Module design and System design (example)



## Technical Data

### Specifications

#### Data

Data interface 20 mA

#### 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 > 55 dB - 10 dB ATTN

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

Output (data) 25 µw (-16 dBm)

Sensitivity (video) 1 µw (-30 dBm)

#### Connectors

Optical ST

Power Via board connector of rack

Video BNC (gold plated centre-pin)

Data Terminal plug with screw clamps

#### 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 199 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
CTF7211-RM	2GF5406-8CF	Video Receiver, Data Transmitter, 850 nm, Multi Mode, 2 fibres Rack mount card, 1 slot	0.9 kg