



Fibre Optic Transmission System

## Mini Video Transmitter, TTY Receiver

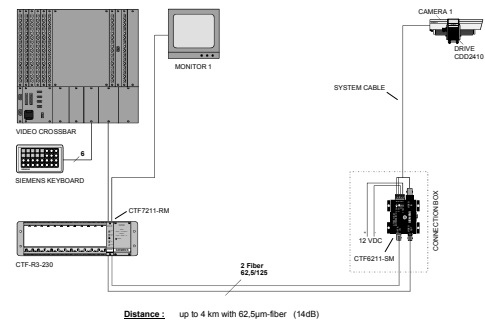
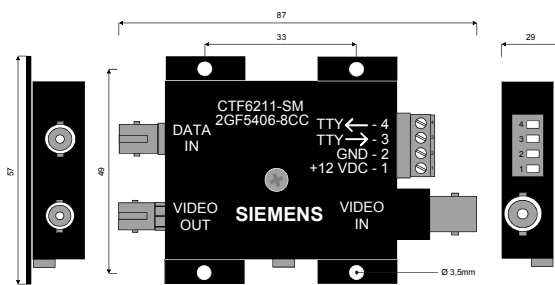
CTF6211-SM

850 nm, Surface Mount Module

- **Compatible with Siemens camera control units**
- **AM video transmission (TX) and data (RX, TTY)**
- **NTSC, PAL, SECAM compatible**
- **Full colour compatibility**
- **No in-field electrical or optical adjustments required**
- **Automatic resettable fuses on all power lines**

The CTF6211-SM Video Mini Transmitter and Current Loop Receiver supports the simultaneous transmission of video and one way return current loop over two multimode optical fibres. Plug-and-Play design ensures ease of installation requiring no electrical or optical adjustments. Compatible with Siemens camera control units.

## Module design and System design (example)



## Technical data

### Specifications

#### Data

Data interface	20 mA
Data rate	DC-100Kbps (NRZ)

#### 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
Optical power budget	
with 62.5/125 µm	14 dB
with 50/125 µm	10 dB
Output (video)	25 µw (-16 dBm)
Sensitivity (data)	1µw (-30 dBm)

#### Connectors

Optical	ST
Video	BNC (gold plated centre-pin)
Power/Data	Terminal block with screw clamps

#### Electrical and mechanical

Power supply	DC 12 V, 150 mA
Current protection	Automatic resettable solid-state current limiters
Circuit board	Meets IPC Standard
Dimensions (W x H x D)	57 x 29 x 87 mm
Weight	0.3 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
CTF6211-SM	2GF5406-8CC	Mini Video Transmitter, Data Receiver, TTY, 850 nm, Multi Mode, 2 fibres, female BNC, Surface mount	0.3 kg