

## Two-wire transmitter & receiver Indoor

TP-TXI1  
TP-RXI1

- Range up to 600 m
- Transmission of colour and monochrome video signals
- Equalization 0 dB to 20 dB at 5 MHz
- Transmitter – Plastic housing with BNC plug & cable with free end
- Receiver – Compact design, plastic housing with screw connections
- Fast and easy adjustment using DIP switches
- Simple installation – no additional measuring instruments required

The transmission of video signals on two-wire cables offers the user many benefits, ranging from utilisation of the existing cable network, real-time transmission and interference resistance. Twisted, symmetrical, DC-coupled telecommunication cables such as telephone lines, or CAT5 cable are suitable as the two-wire cables.

- **Fast setup**

The transmitter with its BNC plug is mounted directly onto the back of the camera. The receiver can be snapped onto EN rails in standard distribution boxes and cabinets.

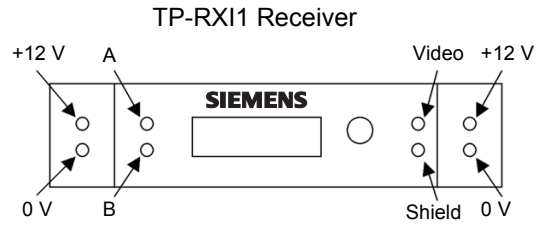
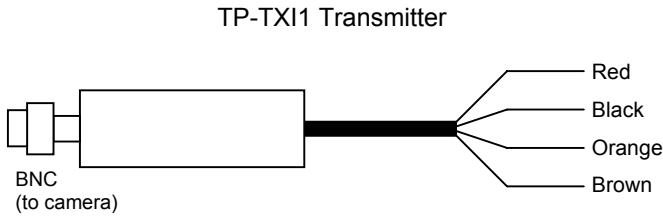
- **Simple application**

TP-TXI1 is suitable for indoor use, transmitting a video signal on two-wire cables. The corresponding two-wire receiver TP-RXI1 converts the incoming signal back into a video signal (e.g. for a monitor).

- **Cost-effective**

The two-wire technology is a very cost-effective solution for transmitting pictures as it can use existing cabling infrastructure.

**Connections**



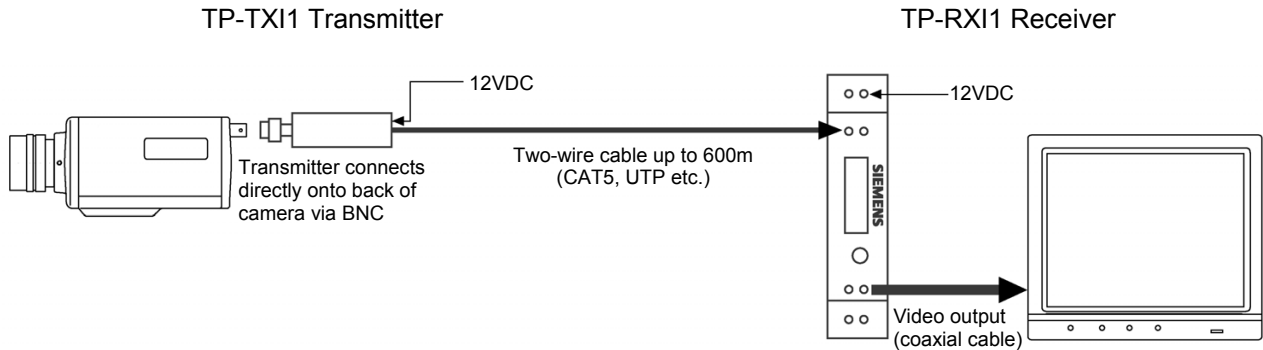
Connections of two-wire transmitter TP-TXI1 Indoor:

- Red..... +12 V
- Black..... GND
- Orange.... Two-wire core – A
- Brown ..... Two-wire core – B

Connections of two-wire receiver TP-RXI1 Indoor:

- A ..... Two-wire core – A
- B ..... Two-wire core – B
- Video ..... Coax video output
- Shield..... Copper shield

**System diagram**



**Technical data**

	Transmitter TP-TXI1	Receiver TP-RXI1
Video input	1 Vpp (75 Ohm), asymmetrical	2 Vpp (130 Ohm), symmetrical
Video output	2 Vpp (130 Ohm), symmetrical	1 Vpp (75 Ohm), non-symmetrical
Equalisation	0 dB to 20 dB at 5 MHz	0 dB to 20 dB at 5 MHz
Transmission range	600 m	600 m
Over voltage / lightning protection	No*	No*
Recommended power source	12 VDC, 50 mA	12 VDC, 60 mA
Power consumption	0.5 W	0.75 W
Dimensions (W x H x D)	80 x 22 x 22 mm	80 x 20 x 70 mm
Weight	0.2 kg	0.2 kg

\* intended for indoor use only

**Details for ordering**

Type	Part no.	Designation	Weight
TP-TXI1	2GF5605-8AA	Video Transmitter Twisted Pair 1 Camera, indoor	0.2 kg
TP-RXI1	2GF5605-8BB	Video Receiver Twisted Pair 1 Camera, indoor	0.2 kg