



CTTT0112

Twisted Pair Transmitter Module

- **Transmission of colour and monochrome video signals**
- **Compact SMD twisted pair transmitter module for usage in camera outdoor housings**
- **Frequency response 15 Hz - 10 MHz**
- **Integrated overvoltage protection and integrated lightning protection**
- **Power requirements 12 V DC / 24 V AC**

Transmitting video signals via 2-wire cables offers many benefits, ranging from the utilisation of the existing cable network, real-time transmission to interference resistance. Twisted, symmetrical, DC-coupled telecommunication cables such as telephone lines, or CAT5 cables are suitable as 2-wire cables.

- **Cost-effective**
2-wire technology is a very cost-effective solution for transmitting images as the existing cabling infrastructure can be used.
- **Flexible**
Various usage due to dual supply voltage.

Technical data

Video input	CVBS, 1.0 V _{PP} at 75 Ω
Video output	Selectable: 2.0 V _{PP} , 2.6 V _{PP} , 3.2 V _{PP} at 130 Ω
Output impedance	130 Ω
Frequency accentuation	Selectable: 0 dB, 6 dB, 12 dB at 5 MHz
Overvoltage protection	ITU-T K21/K44 (4 kV)
RI suppression	EN 55022 (class B)
Noise immunity	EN 50130-4 +A1 +A2
Power requirements	12 V DC / 24 V AC ± 10 %, 1.5 VA
Ambient temperature, operating	0 to +50 °C
Dimensions (W x H x D)	50 x 15 x 65 mm

System

Required signal cable	Twisted or stranded, DC-coupled conductor pairs of a telecommunications cable which are not individually screened
Maximum range	Depending on the 2-wire receiver used up to 1200 m with wire diameter 0.8 mm, PE-insulated with pre-emphasis switched ON in the transmitter
Signal/noise ratio	> 60 dB at 0 dB equalisation, with weighting
Differential gain	> 0.97 at 0 dB equalisation
Differential phase	< 3° at 0 dB equalisation

Details for ordering

Type	Part no	Designation	Weight
CTTT0112	S54563-B100-A1	Twisted pair transmitter module	0.02 kg

Further products and accessories can be found in the Internet:
siemens.com/cctv > **Catalogue Downloads.**

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