



Twisted pair (UTP) system technology

Twisted pair system technology for future oriented CCTV installation using CAT5 cable.

The new twisted pair (UTP) system technology allows you to create a modern and future oriented video surveillance system using CCTV cameras. CAT5 cables with RJ-45 plug (network patch cables) are used here. This technology ensures a forward-looking installation which - at a later stage - can easily be converted to IP technology at low cost.

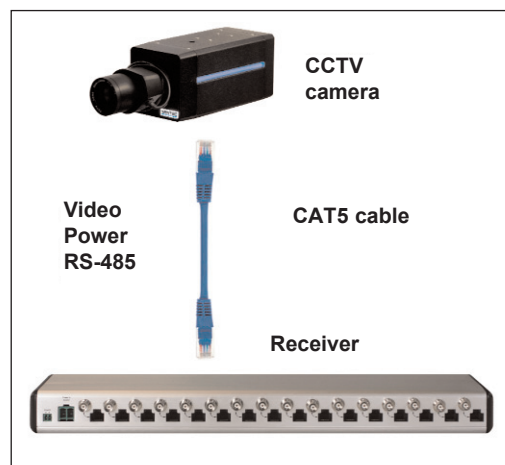
SANTEC CCTV cameras are equipped with an integrated twisted pair transmitter with RJ-45 connection which enables the direct link to a twisted pair receiver using a network cable. The CAT5 cable transmits the video picture from the camera and the receiver supplies the power. Telemetry data (RS-485) to control speed domes* allow remote configuration of cameras at a central point.

This system basically works like a PoE system for IP technology.

Advantages:

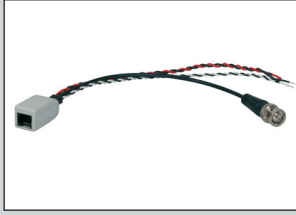
- Plug & play
- Easy to install
- Plug compatible
- Use of network patch cables
- No additional power supply for cameras required
- No new cabling required for later use of network technology (future-proof)
- Use of existing cable infrastructure
- Video, power and data is transmitted via the same cable
- Powers cameras up to 200 m
- Remote configuration of cameras

* Speed domes need to have their own power supply.



TRANSMISSION

Twisted pair system technology:



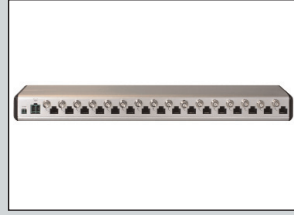
VTUD-1

- Video balun, passive
- 1x UTP (RJ-45)
- 1x BNC 1 Vpp
- Up to 100 m cable length
- Video, power, data



VEZ-4SYS

- 4-channel twisted pair receiver
- 4x UTP (RJ-45)
- 4x BNC 1 Vpp
- Up to 200 m cable length
- Video, power, data
- Matching power supply unit: VCA-200



VEZ-16SYS

- 16-channel twisted pair receiver
- 16x UTP (RJ-45)
- 16x BNC 1 Vpp
- Up to 200 m cable length
- Video, power, data
- Matching power supply unit: VCA-24V8A-SYS

Compatible control keyboard:



KSC-3505

- Keyboard to control SanStore recorders and SANTEC speed domes
- Protocols: Pelco D/P and others
- RS-485 interface: Yes, 1x

Compatible cameras:



VTC-274PWDU

- Colour dome camera
- UTP transmitter (RJ-45)
- 650 TVL
- 2.8-12 mm focal length
- WDR, IP-44



VTC-HDH444IRPWDU

- Day/night IR dome camera
- UTP transmitter (RJ-45)
- 650 TVL
- 2.8-12 mm focal length
- WDR, IP-66, IR LED



VTC-280IRPWDU

- Day/night compact camera
- UTP transmitter (RJ-45)
- 650 TVL
- 2.8-12 mm focal length
- WDR, IP-66, IR LED



VTC-8322WDPU

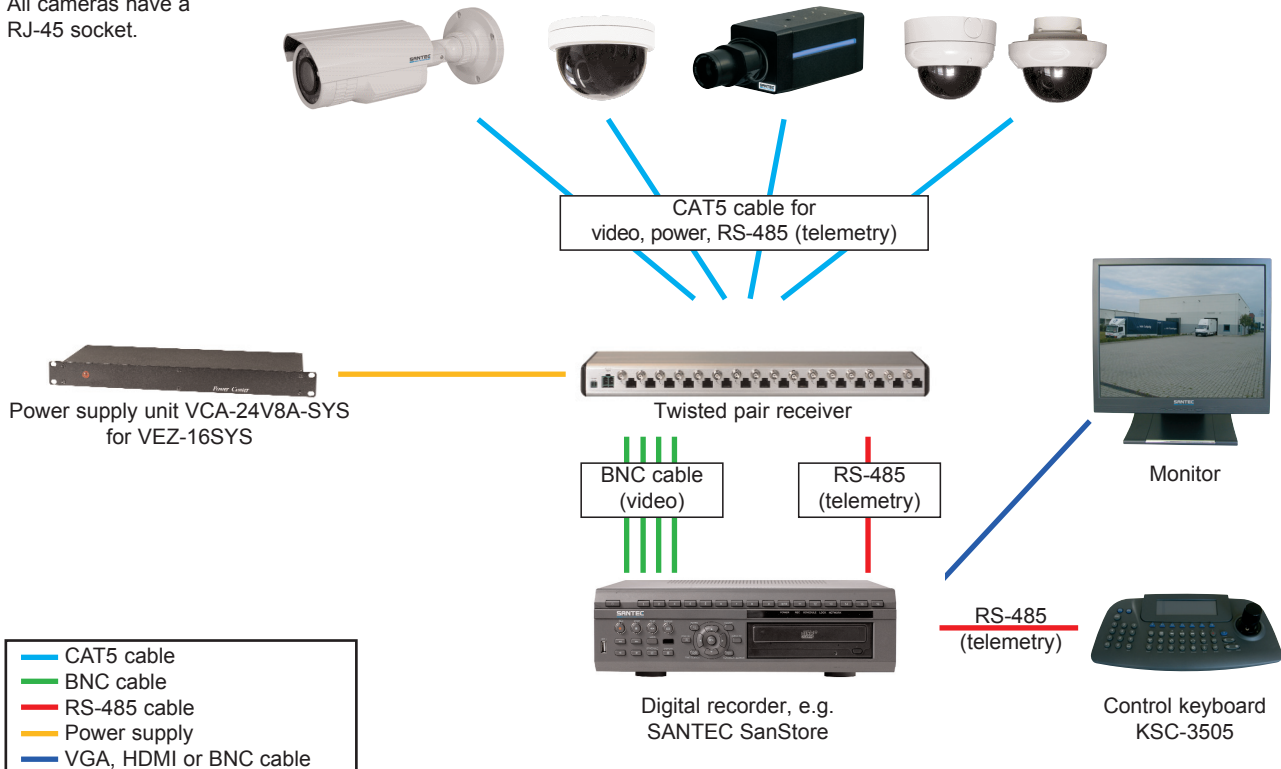
- Day/night box camera
- UTP transmitter (RJ-45)
- 650 TVL
- C/CS lens mount
- WDR

How to install the system components (example):

SANTEC cameras VTC-274PWDU, VTC-280IRPWDU, VTC-HDH444IRPWDU and VTC-8322WDPU are compatible with the twisted pair (UTP) system technology.

Simultaneous transmission of video data, power and telemetry via a CAT5 network cable is possible. Plug compatible with RJ-45.

All cameras have a RJ-45 socket.



SANTEC
VIDEO TECHNOLOGIES

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