AD Twisted Pair Adapter

UNSHIELDED TWISTED PAIR VIDEO ADAPTER

The American Dynamics ADACTP01BNC Twisted Pair Video Adapter is a passive transmission device that transmits video or video with up-the-coax (UTC) dome control signals over unshielded twisted pair (UTP) cables, point-to-point, for distances up to 300m (1000 ft).

These adapters use Category 2-6 twisted pair wires to transmit the video and dome control signals, and do not require power. The compact design allows for mounting directly to the video source or receiver without additional cabling.

Features

- Compact, compatible with existing CCTV equipment
- No external power required
- 50 dB cross-talk and noise immunity
- Compatible with NTSC or PAL formats
- Compatible with Up-The-Coax (UTC) control signals
- Compatible with any video device with composite video output
- Get up to four video signals on one Cat5 cable

‡Some digital video recorders, video servers or similar products may lose color information when UTP cable distances exceed 180 m (600 ft).

SPECIFICATIONS

Model Number

ADACTP01BNC ..... Cable accessory, twisted pair to BNC adapter

Operational

Video Format ..... NTSC or PAL
Frequency ..... DC to 10 MHz
Coax ..... 75 Ohm
Twisted Pair ..... 100 Ohms ± 20%, 24 AWG min.
Up to 300m (1000 ft)‡
Unshielded Category 2-6
Insertion Loss ..... 0.3 dB
CMRR ..... 50 dB
Power ..... No power required

Connectors

Video ..... BNC
UTP ..... Euro-style terminal block

Environmental

Operating Temperature ..... -10° to 70°C (14° to 158° F)
Storage Temperature: ..... -30° to 70°C (-22° to 158° F)
Relative Humidity: ..... 0 to 95% RH, non-condensing

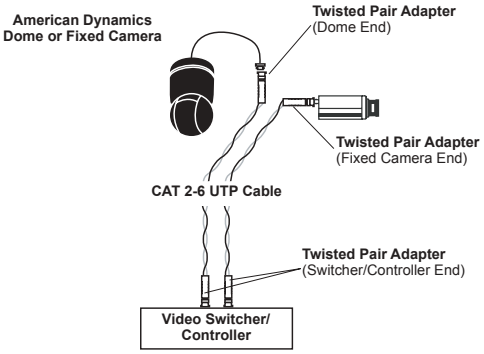
Mechanical

Dimensions ..... 47 x 13.6 mm
(1.85 x 0.54 in)
Weight ..... 17g (0.7 oz)
Material ..... Black ABS Plastic
Mounting ..... Direct connection via BNC (Male)

Regulatory

Safety ..... UL 94V-0

System Diagram



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