



## CatFive® XTS-UTP100A-VTX

### PRODUCT SPECIFICATIONS

#### PRODUCT FEATURES

- \* Single Channel Active Video Transmitter
- \* Full-motion color video signal up to 3900ft(1200m) via UTPcat5e/6
- \* NTSC, PAL & SECAM video format compatible
- \* Real-time transmission
- \* 12V/24V DC/AC power supply
- \* Integrated 2 channel video distribution amplifier allows dual output
- \* Female BNC connector
- \* Pluggable screw terminal block or UTP
- \* Exceptional interference rejection
- \* Built in TVS(Transient Voltage Suppressors) for surge protection
- \* Lightning protection design Grade:V



#### DESCRIPTION

The XTS-UTP100A-VTX video balun is a active (amplified) device that allows the transmission of real-time CCTV video signal via cost-effective Unshielded Twisted Paired(UTP) cable. Baseband (composite) signals of any type are supported. The power requirement is 12V/24V DC/AC. The pluggable screw terminal block of XTS-UTP100AVTX allows easy connection of UTP cable input. It receives one single channel video signal from camera end via one UTP cable at distance up to 3900ft(1200m) when used with active video transmitter. The transmission distance reaches up to 2600ft(800m)when used with passive video transmitter. Its integrated 2 channel video distribution amplifier allows dual output to display video at both monitor and DVR.

The XTS-UTP100A-VTX has a single distance adjustment as well as built-in surge suppression to protect video equipment against damaging voltage spikes. Its Integrated Ground Loop isolation prevents annoying “hum-bars” common with long distance installations and its excellent crosstalk and noise immunity provides quality video up to the maximum distance. The superial interference rejection and low emissions of the XTS-UTP100AVTX allow video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant.



## TECHNICAL SPECIFICATIONS

Applied Devices	CCTV cameras, monitors, DVR, switchers, IP encoders, and other CCTV equipment
Video Format	PAL, NTSC, SECAM
Operating Frequency	DC to 6MHz
Max Distance	UTP Category 5e (24AWG)Color: 3900ft(1200m) B&W: 6500ft(2000m)
Common-mode/Differential-mode rejection	70 dB typ
Impedance	Coax, female BNC 75 ohms
Impedance	UTP, Screw terminal block 100 ohms
Attenuation	0.5 dB type
Network Wiring	One Unshielded Twisted Pair (for each video signal)24-16 AWG (0.5-1.31mm)
Category Type	2 or better
Impedance	100 ± 20 ohms
DC Loop Resistance	52 ohms per 1,000ft (18 ohms per 100m)
Differential Capacitance	19 pF/ft max (62 pF/m max)
Adaptive Voltage Arrange	1.2 V - 4.0 V DC or 9V-24V AC
Power consumption	<100mW
Video input	Female BNC Connector
Video output	Pluggable screw terminal block for UTP
Surge Protection	Built-in Transient Voltage Suppressor(TVS)
Antistatic and Ground Isolation	YES
Dimensions(L*W*H)	118*82*81mm
Housing	Galvanized
Body Color	Silver
Net Weight	210g
Operating Temperature	-10° ~ 70° C
Relative Humidity	0~95% (non-condensing)
Storage Temperature	-20° ~ 85° C
Doc. Rev.	MR010511