

# UTP100ST-V

Single Channel Passive Video Transceiver



## PRODUCT SPECIFICATIONS

### PRODUCT FEATURES

- Single Channel Passive Video Transceiver
- Full-motion color video signal up to 1300ft(400m)
- Monochrome (B&W) up to 1950ft(600m) via UTP cat5e/6
- NTSC, PAL & SECAM video format compatible
- Real-time transmission
- No power required
- Two screw terminals
- Male BNC with extended 6.3inch(160mm) mini-coax pigtail
- Exceptional interference rejection
- Built-in TVS (Transient Voltage Suppressors) for surge protection
- Lightning protection design Grade III
- 50 dB crosstalk and noise immunity
- Compact size and easy installation
- ABS engineering plastic housing



### PRODUCT CAPABILITIES

The UTP-100ST-V video balun is a passive (nonamplified) 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 flexible mini-coax pigtail lead allows UTP100ST-V to fit neatly inside CCTV camera back boxes and dome camera enclosures. Screw terminals of UTP100ST-V allows easy connection of UTP cable output. Used in pairs, UTP100ST-V eliminates costly and bulky coaxial cable, allowing live CCTV color video signal up to 1300ft (400m). UTP100ST-V is also compatible with all the other XTS passive transceiver for application at distance up to 1300ft(400m) and active receiver up to 2600ft(800m) The superior interference rejection and low emissions of the UTP100ST-V allow video signals to coexist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant. UTP100ST-V has built-in surge suppression to protect video equipment against damaging voltage spikes. Its crosstalk and noise immunity ensure quality video signals.



# TECHNICAL SPECIFICATIONS

## UTP100ST-V

Video Format	NTSC, PAL, SECAM
Operating Frequency	DC to 5MHz
Max Distance	UTP Category 5e (24AWG) Color: 1300ft(400m) B&W: 1950ft(600m)
Common-mode/Differential-mode rejection	15 KHz to 5 MHz / 60 dB type
Impedance	Coax, Male BNC 75 ohms / UTP, Screw Terminal 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)
Camera Video input/output	Male BNC connector
Wire Video input/output	Screw terminal
Surge Protection	Built-in Transient Voltage Suppressor (TVS)
Antistatic	Yes
Dimensions	(L*W*H) 207.5*17.7*17.2mm
Housing	ABS Plastic
Body Color	Black
Net Weight	25g
Operating Temperature	Operating Temperature -25° ~ 75° C
Relative Humidity	0~95% (non-condensing)
Storage Temperature	Storage Temperature -40° ~ 150° C
CE	Yes
FCC	Yes

\*subject to change without prior notice



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