



# XTS-UTP108A-VRX Active HUB Video Receiver 3900ft(1200m) Video Transmitting Range.

## Product Features

- 8-Channel Active Video Receiver Hub
- Full-motion color video signal up to 3900ft(1200m) via UTP cat5e/6
- NTSC, PAL & SECAM video format compatible
- Real-time transmission
- 100-240V power supply, 50~60Hz
- Adjustable for various video distance
- Integrated 2 channel video distribution amplifier allows dual output
- Female BNC connector
- RJ45 and detachable terminal blocks for UTP cat5e/6
- Video Present LED indicators for each channel
- Compatible with qualified UTP camera
- Exceptional interference rejection
- 70 dB crosstalk and noise immunity
- Full ground-loop immunity
- Built in TVS(Transient Voltage Suppressors) for surge protection
- Lightning protection design Grade: V
- Compact size and easy installation
- Black galvanized housing



## Product Capabilities

The XTS-UTP108A-VRX video balun hub is an active (amplified) device that allows the transmission of real-time CCTV video signal via cost-effective Unshielded Twisted Paired(UTP) cable.

The XTS-UTP108A-VRX is a compact unit. RJ45 and the pluggable screw terminal blocks of XTS-UTP108A-VRX allow the easy connection of UTP cable input. It receives 8 channel live CCTV video signal from a camera end via 4 UTP cable at a distance up to 3900ft(1200m) when used with active video transmitter. The transmission distance reaches to 2200ft(700m)when used with passive transmitter. Its integrated 2 channel video distribution amplifier allows dual output to display at both monitor and DVR.

The XTS-UTP108A-VRX has a single video 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 superior interference rejection and low emissions of the XTS-UTP108A-VRX allow video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits which allow the use of a shared or existing cable plant.

## Applications

- Security Monitoring System
- Multimedia Network Teaching System
- Medical Monitoring Display System
- Industrial Automation Control System
- Banking, securities, financial information display system
- Remote Network Server Monitoring
- Department Store Security
- Casino Security
- Hospitals, Airports and banks
- School Campuses



Model	XTS-UTP108A-VRX
Applied Devices	CCTV cameras, monitors, DVR, switchers, IP encoders, and other CCTV equipment
Video Format	PAL, NTSC, SECAM
Operating Frequency	Signal Band: 250MHz(-3db) / Balance Band: DC to 6MHz
Max Distance	UTP Category 5e (24AWG) color: 3900ft(1200m)) with active transmitter; 2200ft(700m)) with passive transmitter
Common-mode/Differential-mode rejection	75 dB typ
Attenuation	1.5 dB Max
Impedance	Coax, female BNC 75Ω unbalanced / UTP, screw terminal block or RJ45 100Ω balanced
Video Distance Adjustment	4-position dip switches
LED Indicators	Red: Power-On / Yellow : “Active” signal present
Network Wiring	One Unshielded Twisted Pair (for each video signal) 24-16 AWG (0.5-1.31mm)
Category Type	2 or better
Wire type 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	AC100-250V, 50~60Hz
Power Consumption	<1500mW
Connector Video Input	pluggable screw terminal block and RJ45 for UTP ( select one connection)
Connector Video Output	Female BNC Connector; dual video output
Surge Protection	renewable solid state surge protection
Ground Isolation	Ground connection available for STP or Ground loop removal
Video Output	2KV(common mode), 10/700us IEC6100-4-5/1955(GB/T 1726, 5-1999)
Video Input	2KV(different mode), 4KV(common mode), 10/700us IEC6100-4-5/1955(GB/T 1726, 5-1999)
Video Input Protection for Over Current	Protection for over 100mA current Max
Housing	Galvanized
Body Color	Black
Net Weight	430*82.5*44.5mm (BNC connector & mounting bracket excluded)
Net Weight	1260g
Operating Temperature	-20° ~ 70° C
Relative Humidity	0~95% (non-condensing)
Storage Temperature	-40° ~ 150° C
XTS notice	Specifications are subject to change without previous notice
Revision Date	MR070111