



# TwistPlex<sup>SM</sup> UTP Product Line

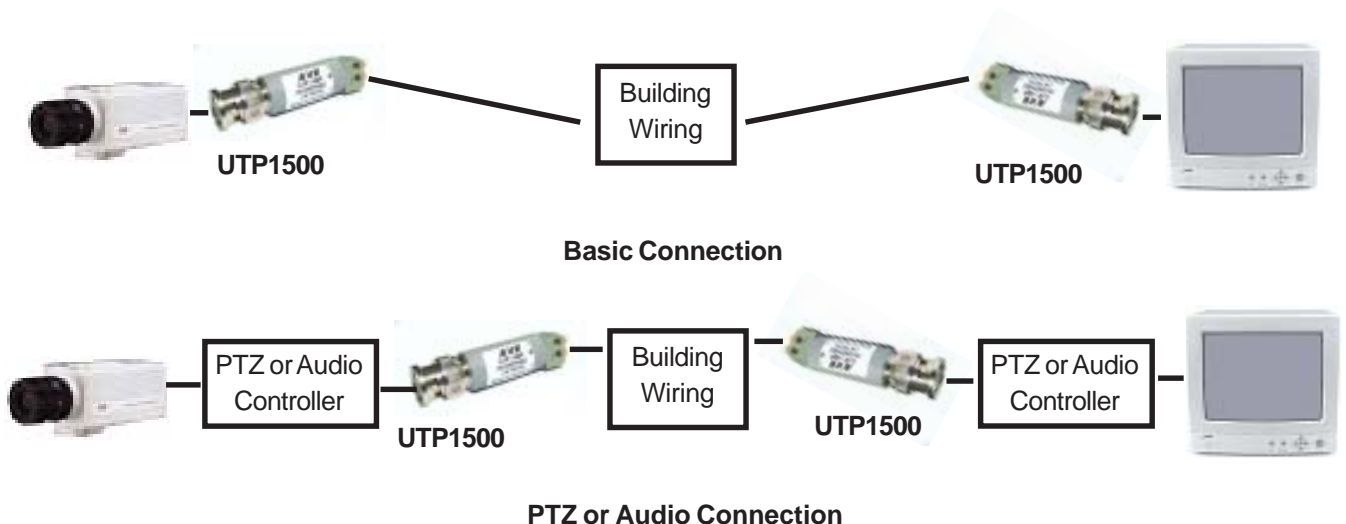
The AVE TwistPlex of UTP (Unshielded Twisted Pair) adapters bring the ease of using structured CAT3,4,5,6 for transmission of video signals. The UTP-1500 passive device transmit and receive up to 2000 ft (500m) of full color video with CAT5 or better. The unique design allows for single handed installation with the use of push cage clamp terminals eliminating cumbersome mini screwdrivers. The small size allows for connection directly on the rear of the camera and is only slightly larger than TwistOn BNC connectors.

When extended range is required the use of the Active Transmitter or the Active Receiver can reach up to 3000 ft or 1 km with full color. The VECA or VECA UTP can precompensate for video levels and color enhancement on the transmitting side. The Active Receiver recovers color information and with the AGC (Automatic Gain Control) circuitry, constantly compensates for proper video levels due to unpredictable UTP wiring losses or camera changes without user adjustment.

For multiple camera installations the use of the Passive or Active Hubs simplify installation. The AVE hubs include individual cage clamps for individual UTP video runs or a common RJ45 for CAT5 which can accommodate 4 video cameras in one cable run. The dealer friendly design allows simple wall mounting of the two piece design. For the 8 or 16 camera hubs rack mounting ears are provided for forward or reverse mounting along with attractive desktop mounting. Active models allow for 12-28 VAC or VDC power source for any installation requirement.

The fully compatible product line allows the interchangeability of passive and active components to extend range or improve performance as required.

## UTP1500 Passive Receiver / Transmitter



## UTP1500 Passive Hubs

**UTP 4X1500 4 Camera Hub** with Push Cage Clamps & Structured Wiring RJ45 for use for Transmitter or Receiver



Front Table Top View



Two piece wall mounting



Rear Table Top View  
8 ---- 1



Easy to use Push Terminals allows simple wire connections **Without Tools**



Easy slide on design

**UTP 8X1500 8 Camera Hub** with Push Cage Clamps & Structured Wiring RJ45 for use for Transmitter or Receiver



Front Table Top View



Rear Table Top View



Front Rack Mount allows rear facing connections



Rear Rack Mount allows front facing connections

**UTP 16X1500 16 Camera Hub** with Push Cage Clamps & Structured Wiring RJ45 for use for Transmitter or Receiver



Front Table Top View



Rear Table Top View



Front Rack Mount allows rear facing connections

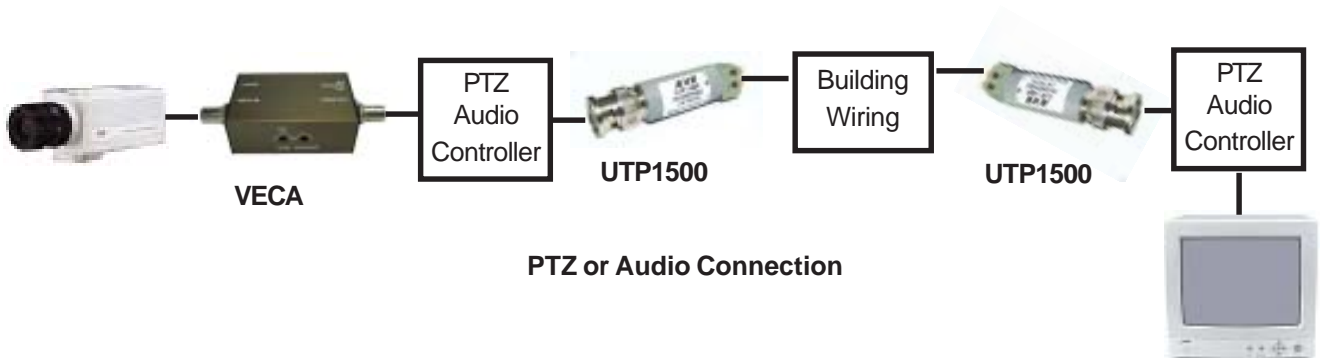
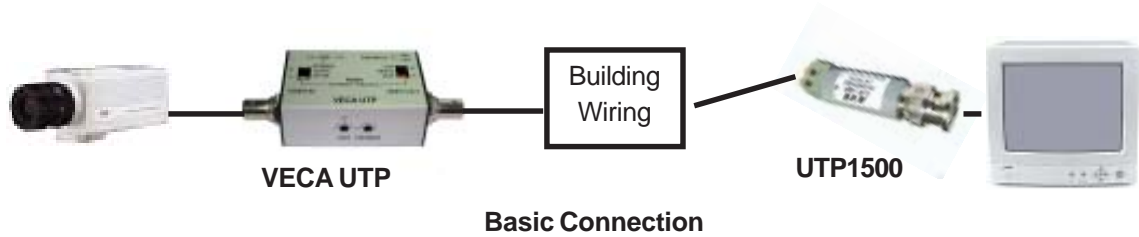


Rear Rack Mount allows front facing connections

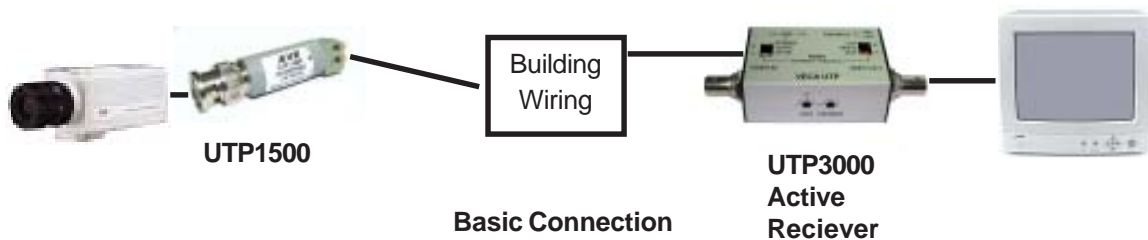
## RJ45 Pin Out

A	B	C	D
1 ---- Cam 2 -	Cam 6 -	Cam 10 -	Cam 14 -
2 ----- Cam 2 +	Cam 6 +	Cam 10 +	Cam 14 +
3 ----- Cam 3 +	Cam 7 +	Cam 11 +	Cam 15 +
4 ----- Cam 1 -	Cam 5 -	Cam 9 -	Cam 13 -
5 ----- Cam 1 +	Cam 5 +	Cam 9 +	Cam 9 +
6 ----- Cam 3 -	Cam 7 -	Cam 11 -	Cam 15 -
7 ----- Cam 4 +	Cam 8 +	Cam 12 +	Cam 16 +
8 ----- Cam 4 -	Cam 8 -	Cam 12 -	Cam 16 -

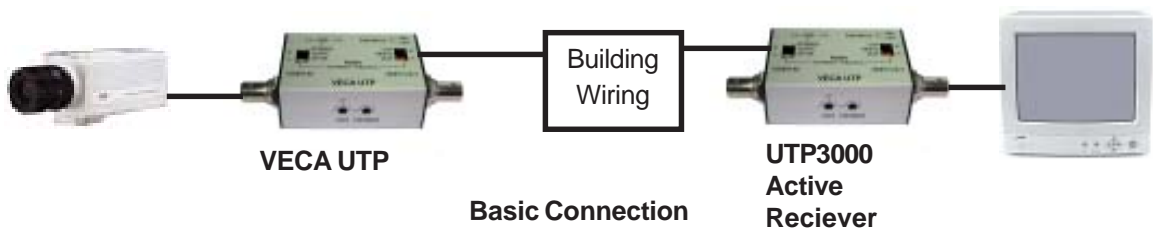
## UTP1500 Passive Receiver and VECA or VECA UTP Active Transmitter



## UTP1500 Passive Transmitter and UTP3000 Active Receiver



## VECA UTP Transmitter and UTP3000 Active Receiver



## UTP3000 Active Receiver Hubs

UTP3000 Active Receiver or the UTP X3000 Active Receiver Hubs with Color Recovery, AGC, Push Cage Clamp, Structured Wiring RJ45 and 12-28V DC or AC. The AVE Active Hubs can be used with Passive or Active Transmitters. These advanced devices allow automatic compensation for lossy and changing resistance of building wire or the new WDR or Day/Night Cameras. The AGC (Automatic Gain Control) delivers the proper video level to your DVR or other device all the time.



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