Altronix®

HubWayAv2
Video Balun/Combiner

HubWay®

Installation Guide

Overview:

HubWayAv2 Video Balun/Combiner is compatible with all HubWay and HubSat UTP Transceiver Hubs. They allow for video and data transmission and power over CAT-5 or higher structured cable to AC or DC fixed cameras or PTZs.

Specifications:
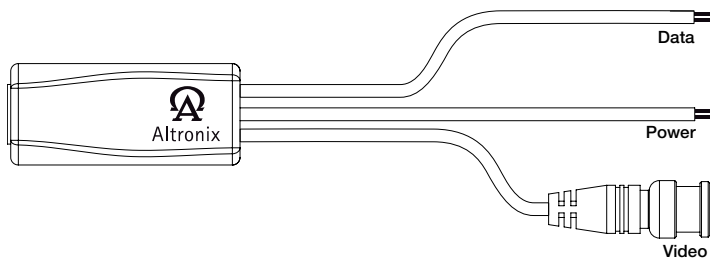
Data:
• Data/PTZ RS422/RS485 output.

Video:
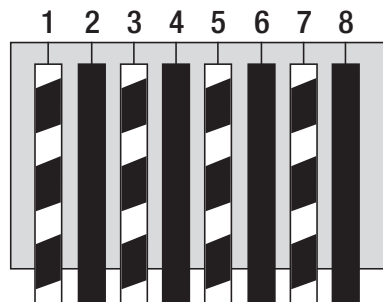• 75 Ohm video input.

Installation Instructions:

1. Plug the RJ45 connector at one end of the structured cable into the RJ45 jack marked [Channel 1] of the Altronix HubWay UTP Passive or Active Transceiver Hub *(refer to HubWay UTP Passive or Active Transceiver Hub Installation Instructions)*. Plug the RJ45 connector at the opposite end of the structured cable into the RJ45 jack of the HubWayAv2 Video Balun/Combiner installed at Camera 1. Repeat this step for all cameras.
2. Connect the wires marked [POWER] of the HubWayAv2 to the power input terminals of the camera *(Fig. 1, pg. 1)*.
3. Connect the wires marked [DATA] of the HubWayAv2 to the data terminals of the camera for PTZ control *(Fig. 1, pg. 1)*. Polarity must be observed (Blue lead Pos +, White lead Neg –).
   When using fixed cameras disregard this step *(Fig. 3, pg. 2)*.
4. Connect the BNC connector of the HubWayAv2 to the BNC video output of the camera *(Fig. 1, pg. 1)*.

Fig. 1 - **HubWayAv2**

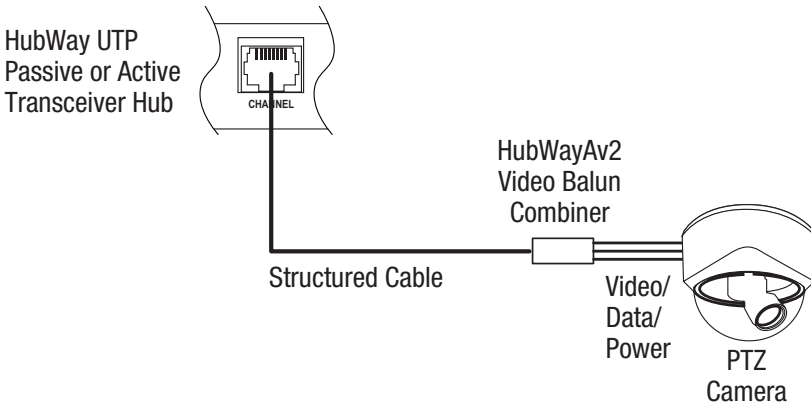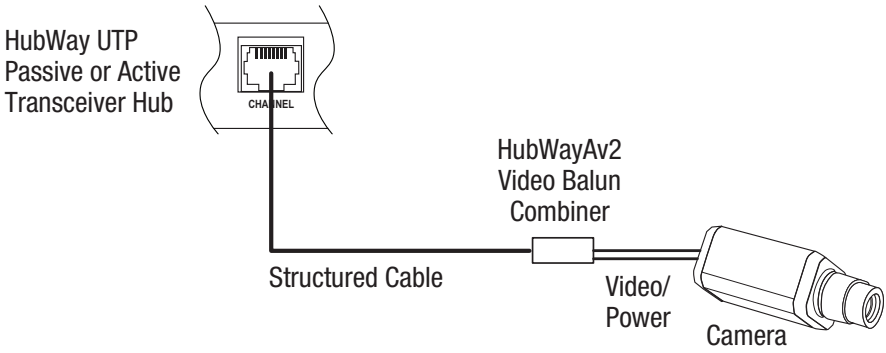HubWayAv2 passes AC voltage from pins 4, 5, 7, 8 to terminals marked [AC Power].

Fig. 2 - **CAT-5 Structured Cable Wiring Color Codes**

1 - White/Orange [VIDEO +]
2 - Orange [VIDEO -]
3 - White/Green [DATA +]
4 - Blue [AC 1]
5 - White/Blue [AC 2]
6 - Green [DATA -]
7 - White/Brown [AC 2]
8 - Brown [AC 1]

Typical Application Drawings:

Fig. 3

HubWay UTP
Passive or Active
Transceiver Hub

CHANNEL

HubWayAv2
Video Balun
Combiner

Structured Cable

Video/
Power

Camera

HubWay UTP
Passive or Active
Transceiver Hub

CHANNEL

HubWayAv2
Video Balun
Combiner

Structured Cable

Video/
Data/
Power

PTZ
Camera

MEMBER