

Agency Listings:

- UL Listed accessory for Commercial CCTV Equipment (UL 2044).

Data:

- Data/PTZ RS422/RS485 output.

Specifications:



Video:

- 75 ohm video input.

Visual Indicators:

- Power LED indicator.

Installation Instructions:

1. Plug the RJ45 connector at one end of the structured cable into the RJ45 jack marked [Channel 1] of the HubWay, HubWayLD, or HubSat Series (*Please refer to respective Installation Instructions*). Plug the RJ45 connector at the opposite end of the structured cable into the RJ45 jack of the Video Balun/Combiner installed at camera 1.
 - For 24VAC Cameras use Altronix model HubWayAv (Figs. 1a, 1b, pg. 1).
 - For 12VDC Cameras use Altronix model HubWayDv/Dvi (Figs. 1c, 1d, pg. 1).
 Repeat this step for cameras 2-8.
2. Measure the output voltage at each Video Balun/Combiner before connecting camera power (Figs. 1a-1d, pg. 1). This helps avoid potential damage.
 - HubWayAv - Terminals marked [AC POWER] (Figs. 1a, 1b, pg. 1).
 - HubWayDv/Dvi - Terminals marked [- 12VDC +] (Figs. 1c, 1d, pg. 1).
3. Connect the power outputs of the HubWayAv or HubWayDv Video Balun/Combiners to the power input terminals of the cameras (Figs. 1a-1d, pg. 1).
4. Connect the terminals marked [+ DATA -] of the HubWayAv or HubWayDv Video Balun/Combiners to the data terminals of the cameras for PTZ control (Figs. 1a-1d, pg. 1). Polarity must be observed. When using fixed cameras disregard this step (Figs. 2, pgs. 2-3).
5. Connect the BNC connector of the HubWayAv, HubWayDv or HubWayDvi Video Balun/Combiners to the BNC video outputs of the cameras (Figs. 1a-1d, pg. 1).

Fig. 3 - CAT-5 Structured Cable Wiring Color Codes

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



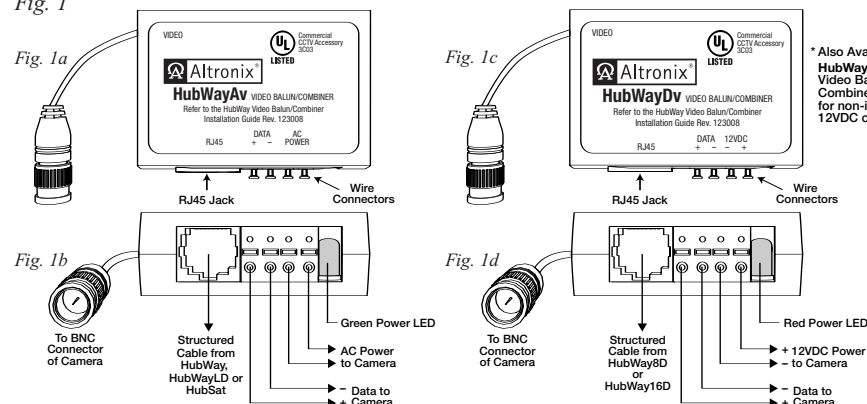
HubWayAv, HubWayDv and HubWayDvi Video Balun/Combiners

Overview:

HubWayAv, HubWayDv or HubWayDvi Video Balun/Combiners are UL Listed accessories to be used with HubWay, HubWayLD and HubSat series. These Altronix Passive and Active UTP Transceiver Hubs w/Integral Power route Video/Data and Power from Altronix HubWay, HubWayLD and HubSat units for either 24VAC or 12VDC fixed or PTZ indoor or outdoor cameras.

Note: Refer to HubWay series Rev. 032108, HubWayLD series Rev. 030408 or HubSat series Rev. 112408 installation guides.

Fig. 1



* Also Available as:
HubWayDvi
Video Balun/
Combiner
for non-isolated
12VDC cameras

HubWayAv passes AC voltage from pins 4, 5, 7, 8 to terminals marked [AC Power] (Fig. 3, pg. 4).

HubWayDv/Dvi converts AC voltage to DC voltage from pins 4, 5, 7, 8 to terminals marked [- 12VDC +] (Fig. 3, pg. 4).

Video Balun/Combiner Reference Chart:

Altronix Model Number	Input Voltage from HubWay unit	Output Voltage to camera	Output Ratings (max.)	Camera Type	Power LED
HubWayAv	*24VAC/28VAC	*24VAC/28VAC	1 amp	24VAC cameras	Green
HubWayDv	*24VAC/28VAC	12VDC	1 amp	12VDC cameras	Red
HubWayDvi	*24VAC/28VAC	12VDC electronically isolated	.5 amp	12VDC cameras without isolation	Red

*Based on camera load and structured cable length.

WARNING: To reduce the risk of fire or electric shock, do not expose the unit to rain or moisture. This installation should be made by qualified service personnel and should conform to all local codes.



Typical Application Drawings:

Fig. 2

