

## Installation Details

### Autoscope Duo Setup Diagram

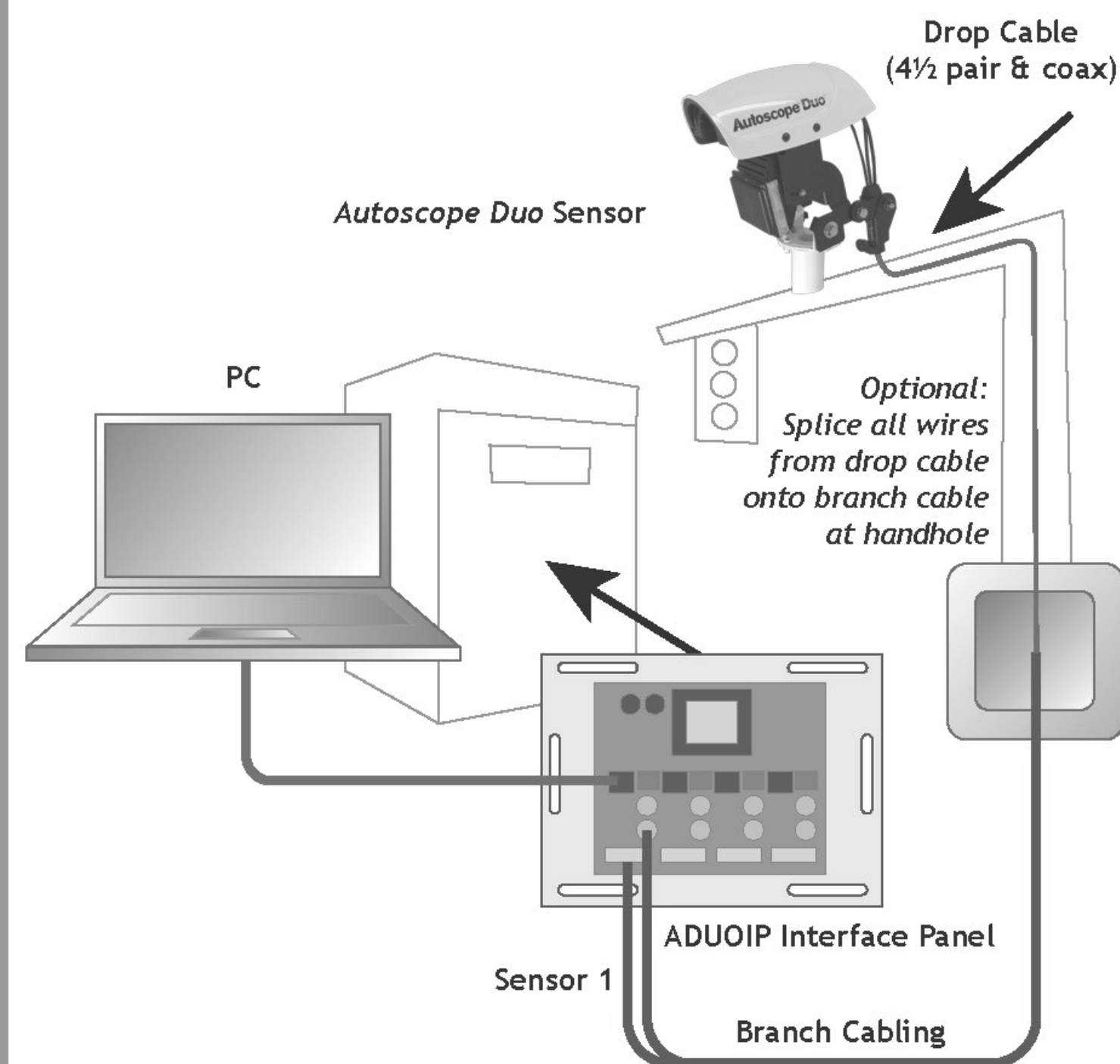


Figure 2

### Autoscope Duo Installation Notes

1. Mount *Autoscope Duo* Sensor per manufacturer's recommendations.
2. Push the sunshield forward prior to the aiming process.
3. Install *Duo* Sensor drop cable and optional branch cabling to cabinet. (Example wiring chart available in manual)
4. With power off, install *Duo* Interface Panel (ADUOIP) and use tie wraps as connecting cable strain relief.
5. Connect heavy green ground wire from ADUOIP ground to the cabinet ground bus.
6. Connect power wires for ADUOIP to the cabinet protected power supply.
7. Dress *Duo* Sensor drop/branch cable to ADUOIP.
8. Install *Duo* Detection Modules (ADDM) in detector rack or shelf mount enclosures. Connect coax and USB jumper to ADUOIP.
9. Aim and zoom each *Duo* Sensor following the guidelines in Application Note AN2104, *Aiming Autoscope Image Sensors for Intersection Applications*.
10. Please refer to the *Autoscope Duo* Installation Guide with your *Autoscope* Software Suite for additional details. For further assistance, please contact your *Autoscope* representative or Econolite Technical Support at 800-225-6480 x4570, +1.714.630.3700 x4570, or Support@Econolite.com.

## About the Interface Panel

EAST COAST SIGNALS APPROVED FOR SUBMITTAL 12-14-16 MSF

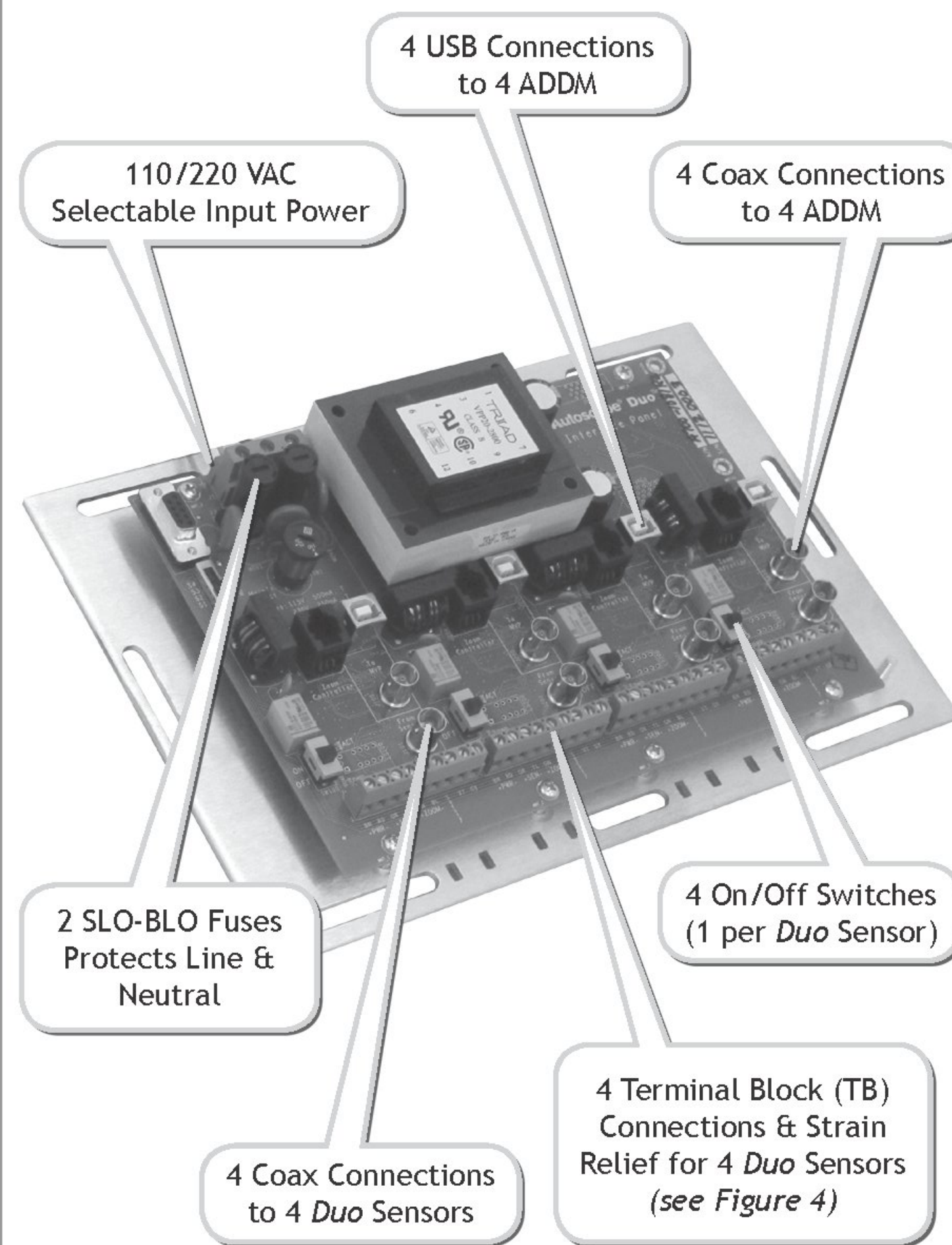


Figure 3

### Duo Sensor TB Connections to the Duo Interface Panel

#	Wire Color	Connection Point	Function
1	Brown	BN	+ PWR
2	Red	RD	- PWR
3	Orange	OR	+ SEN
4	Yellow	YL	- SEN
5	Green	GN	+ ZOOM
6	Blue	BL	- ZOOM
7	Bare Wire	Safety	Safety
8	Violet	VT	---
9	Gray	GY	---

Figure 4

## Required Tools

Item Photo	Name & Usage
	<b>3/16" Allen Wrench</b> Used to adjust Duo sensor mounting bracket
	<b>9/16" Wrench</b> Used to adjust bolts on Duo sensor
	<b>1/4" Nut Driver</b> Used to adjust radar level bolts
	<b>P2 Philip's Head Screwdriver</b> Used to adjust Duo sensor sunshield
	<b>1/8" Flat Head Screwdriver</b> Used to terminate Duo sensor drop/branch cable to ADUOIP
	<b>Coax Crimp and Strip Tools</b> Used to properly dress coax cable at handhole and cabinet
	<b>Digital Level</b> ADDL#1358-001 Used to precisely level camera and tilt radar
	<b>Doppler Generator</b> ADDL#1358-001 For normalizing camera view with radar
	<b>Zoom Controller</b> AISVZMCTRL#216-1006-501 For adjusting camera zoom at cabinet