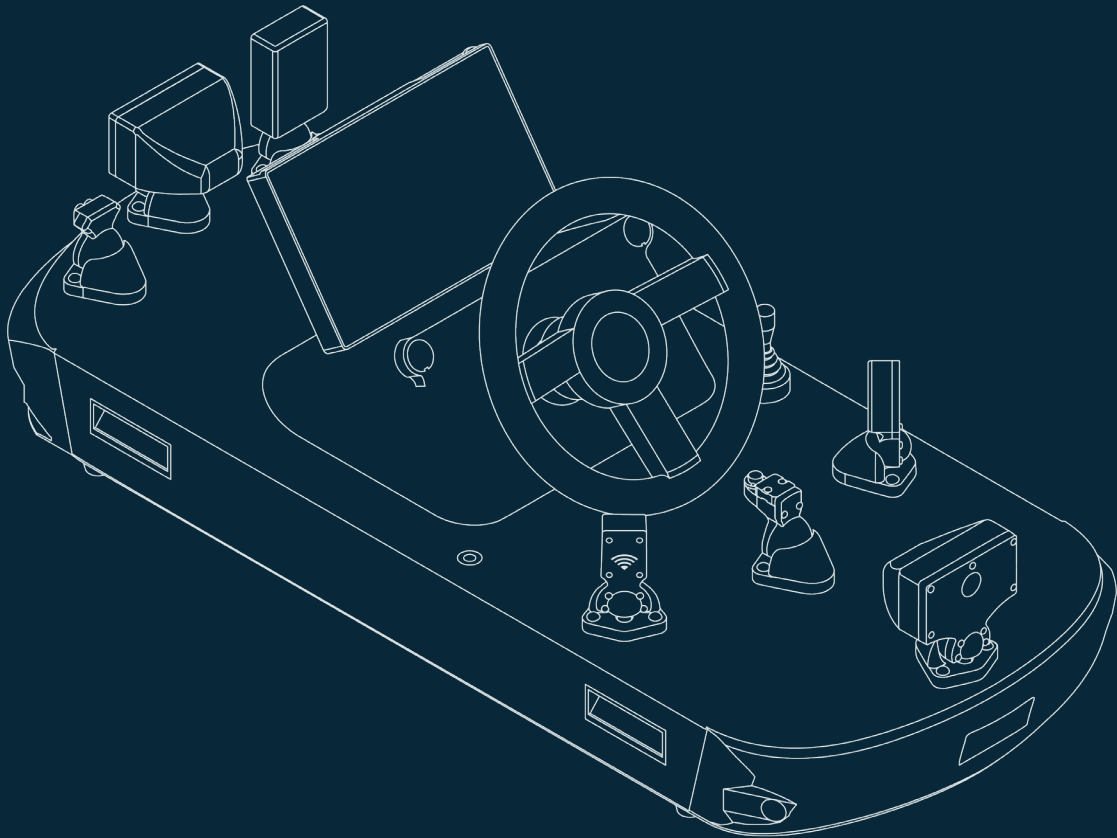# ADAS (Advanced Driver Assist Systems) Trainer

This exciting new trainer is for teaching the concepts of autonomous vehicle systems & Advanced Driver Assistance Systems (ADAS). The EV-360 was designed to demonstrate the fundamental concepts and technologies currently incorporated in today's advanced vehicles.

EDUCATIONAL ADVANTAGES

This trainer allows a student to visualize sensor readings and results, literally locating where the components are on a vehicle and compares the strengths and weaknesses of the various sensors andtechnologies to one another. The student becomes the processor of all the sensor inputs to experience "sensor fusion", or the process of interpreting all this information into a desired outcome or reaction. ADAS sensor calibration can also be demonstrated as well as front camera object detect/identification. The EV-360 can be used in conjunction with real vehicles as it augments actual on-car learning.

FEATURES

- The trainer is a scale model, providing the visual cues of where most ADAS components are typically found on an actual vehicle, helping the students to recognize design function and orientation.
- It incorporates a 10" X 6" tablet display with EXPLORE or DRIVE mode viewing options. These choices allow either an overall view of a composite vehicle illustrating the location of all the ADAS sensors or individual views of each of the following components live data operation:

- Front Camera	Adjustable	- Inertial Measurement Unit	Adjustable
- LiDAR	Adjustable	- Blind Spot Radar (L/S)	Adjustable
- Front Radar	Adjustable	- Blind Spot Radar (R/S)	Adjustable
- Ultrasonic Sensors (L/F)	Non-adjustable	- Rear Camera	Adjustable
- Ultrasonic Sensors (R/F)	Non-adjustable	- Ultrasonic Sensors (L/R)	Non-adjustable
- Park/Reverse/Drive Selector	Adjustable	- Ultrasonic Sensors (R/R)	Non-adjustable
- Steering Wheel Angle	Calibration		
- Driver Presence	Demonstrable		

INCLUDES

- Power Cord
- Magnetic gravoplys for component ID student assignment
- Camera object ID samples TBD (street signs, photos, etc) * also available from website

TECHNICAL INFORMATIONS

- **Application:** Composite Vehicle
- **Dimensions:** 16 1/8 W x 38 9/16 L x 13 7/16 H inch (40.95 W x 97.95 L x 34.13 H cm)
  20 1/8 W x 42 9/16 L x 17 7/16 H inch (51.12 W x 108.11 L x 44.29 H cm) with packaging
- **Weight:** 52 lbs (23.58 kg) / 62 lbs (28.12 kg) with packaging
- **Power supply:** 120VAC / 1.6 Amps
- **Video Output port:** HDMi

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