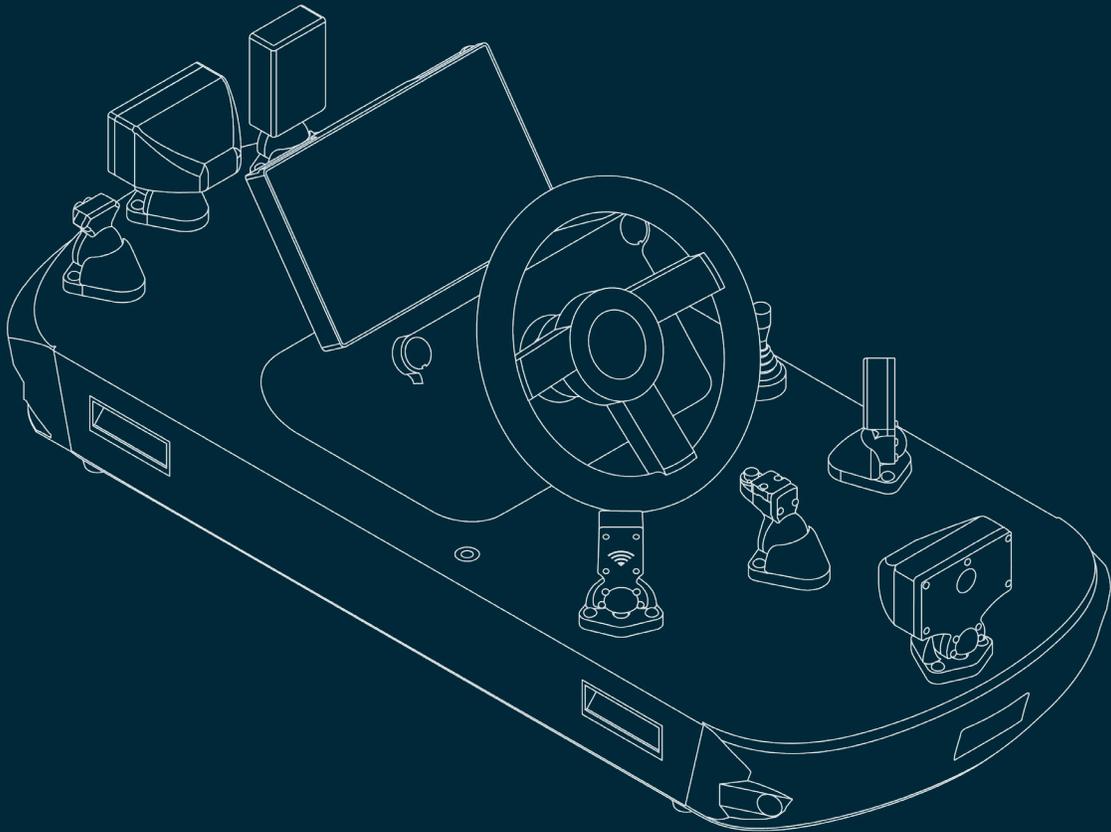# ADAS (Advanced Driver Assist Systems) Trainer

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

INCLUDES

- Power Cord
- Student assignement kit

- Magnetic gravoplys for component ID student assignment	- Colored Chalks
	- Protractor
- Plum Bob	- Mason's Line

- Camera object ID samples (street signs, photos, etc) *available from website
- EV-360 Storage Case

OPTIONS

- EV-360-10_053361 Mobile stand for EV-360

EV-360_053325
ADAS (Advanced Driver Assist Systems) Trainer

CONSULAB

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 / 3 Amps
- **Video Output port:** HDMi

APPLICATION FOR HEAVY VEHICLE

This table clearly shows that the EV-360 incorporates technologies similar to those used in modern trucks and buses, making it a realistic and relevant platform for training and development in this field.

	KenWorth / Bendix Wingman Fusion	Peterbilt / Bendix Wingman Fusion	Mack /Bendix Wingman Fusion	International® / Bendix Wingman Fusion	MCI / Bendix Wingman Fusion	Bluebird / Bendix Wingman	Volvo / Volvo Active Driver Assist (VADA)	Prevost / Volvo Active Driver Assist (VADA)	Mercedes / Detroit Assurance	Freightliner / Detroit Assurance	Western Star / Detroit Assurance	MAN / Traffic Jam Assist	Tesla Semi / Tesla Autopilot	HINO / Wabco Onguard	Isuzu / Mobileye	Scania/ Smart Dash
S1: Front Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
S2: LiDAR																
S3: Front Radar	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓
S4: Left/Right Front Ultrasonic Sensor												✓	✓		✓	
S7: Steering Wheel Sensor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
S8: Driver Presence Sensor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
S9: Inertial Measurement Unit	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓		✓	✓
S10: Left/Right Side Radar	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		✓	✓
S12: Rear Camera	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
S13: Left Rear Ultrasonic Sensor									✓			✓	✓		✓	

Data collected in 2025

Scan this QR code for more about this product