

# UFOnext™ TARGET CARRIER

UFOnext™ is designed to meet the increasing demands of modern ADAS validation by combining high performance, operational efficiency, and robust system design. With a top speed of up to 140 km/h, UFOnext™ allows engineers to perform high-speed test cases required for current and upcoming NCAP protocols.



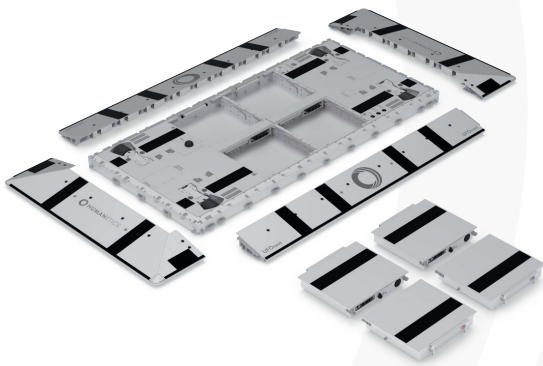
**UFOnext™ is designed to address ADAS challenges with a combination of high performance, efficiency, and reliability:**

- **Top speed up to 140 km/h** that enables execution of current and future NCAP scenarios
- **High acceleration**, allowing to reach target speeds faster and reduce required track length.



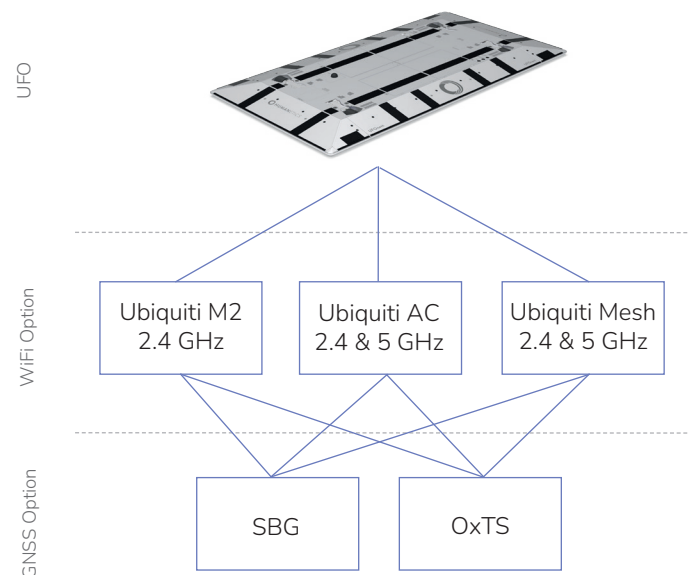
**It is designed to streamline day-to-day operations on the proving ground through:**

- **Onboard charging and hot-swappable batteries** to minimize downtime
- **Detachable ramps** simplify setup and transport
- **Return-to-start** function with 50 km/h reduces turnaround time
- **Heavy-duty testing** as standard
- **Robust design**, allowing operation in hot, cold, and rainy environments



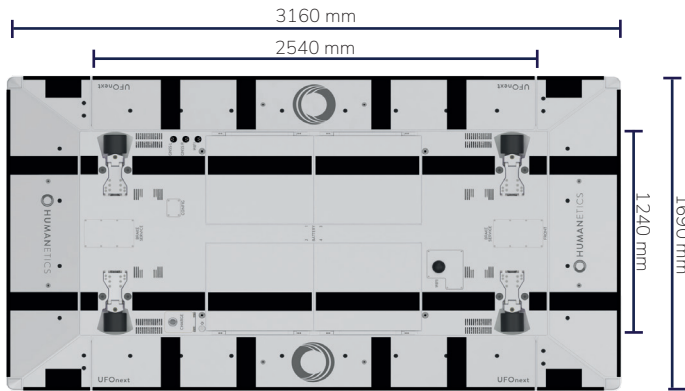
## CONFIGURATIONS

Select the WiFi and GNSS solution that align perfectly with your testing environment and requirements to achieve optimized connectivity and reliable data exchange.

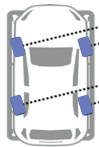


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## DIMENSIONS



## STEERING

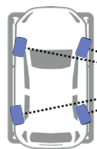
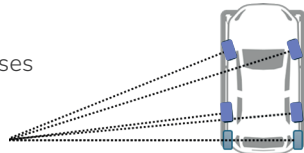


### Counter-Phase Steering

- Exceptionally small turning radius (< 4 m)
- Outstanding maneuverability

### Wheelbase Emulation

- Emulation of different wheelbases
- Enables highly realistic turning behavior of the target



### In-Phase Steering

- For unprecedented stability
- Enables perfect high-speed lane changes

## SPECIFICATIONS

DIMENSIONS	Transportation Size	2540 x 1240 mm
	Test Ready Size	3160 x 1690 mm
	Chassis Height	100 mm
	Clearance	20 mm
	Payload	125 kg
	Overrun Capacity (per wheel)	4500 kg
Overrun Capacity (total)	45 tons	
DYNAMICS	Maximum Speed Forward	140 km/h
	Maximum Speed Backward	50 km/h
	Turning Radius	< 4 m
ENERGY	Batteries Included	4
	Battery Technology	Lithium Ion (LiFePO4)
	Battery Slots	4
	Battery Capacity	7584 Wh
	Battery Swapping Time	2 minutes (hot swappable)
	Battery Set Charging Time	39 minutes (10 % to 90 %)
CONDITIONS	Operation Temperature Range	-10° C to 50° C
	Relative Humidity Range	0 % - 95 %, not condensing
	Recommended Storage Temperature	5° C to 25° C

## SPEED / DISTANCE DIAGRAM

