

ABOUT THE OPTEC ZUUMER

OVERVIEW

The OPTEC Zuumer by OPTEC EV, is a revolutionary electric three wheeled scooter. It was first developed in 2008 by a top engineer team specialized in ride dynamics. With the patented "Lean2Steer" technology, all terrain with wet or dry traction, and 100-mile charge capability, OPTEC E.V. has created one of the most versatile and safe Scooters on the market today. The Zuumer was built with commercial use in mind. With it's high speed, high range, off-road capabilities, and ease of use, it became a perfect solution for EMT first responders and police. The San Diego fire department and police bought several and want many more. It is the perfect solution for crowd control and congested cities.

The OPTEC Zuumer is Equipped with all-wheel steering, front wheel drive, and Lean2Steer technology. These components generate optimum agility, power, and traction. The incorporation of advanced technology, expert design, and select features make the OPTEC Zuumer the most safe and secure electric scooter on the market.

LEAN2STEER

INDEPENDENT REAR SUSPENSION

The driver is able to lean to steer bringing the rear tire stance from 18" to 24" when leaning. Through the use of a mechanical assembly, rigidly connected to a vehicle frame, containing a torsion spring element, a vehicles wheels remain in contact with a road surface even in banking, curved, or extreme handling situations. This assembly allows for vastly improved vehicle handling as the center of gravity of the vehicle and riders remain in closer alignment, and generally normal to the cabin, seat, or riding platform, of a vehicle, particularly in comparison to four wheeled vehicles containing rigid transverse axles. A torsion spring is used to provide a restorative force which acts upon the vehicle during a leaning maneuver thereby accomplishing a neutral and generally horizontal vehicle orientation after completion of a lean steering. Mechanical linkages, made to the vehicle frame, allow for a direct relationship between vehicle lean angle, tilt, and steering angle thereby enabling rear steering, the replacement of front wheel manually initiated steering with front wheel lean steering, or both.

SAFETY FIRST

FORMULATED FOR STABILITY AND UTMOST SAFETY

The OPTEC Zuumer was exclusively designed with law enforcement, military, and first responders in mind. The independent rear suspension allows for all terrain usage including, but not limited to, curbs, pot holes, rocks, dirt, wet roads, and sand. The OPTEC Zuumer will NOT slide out. Most scooters have a 4" front tire but the OPTEC Zuumer is equipped with a 16" front tire to further its off-roading capabilities. The platform is twice the size of standard scooters allowing for better stability of the driver and increasing safety during Lean2Steer. It incorporates a much higher platform than standard scooters with 9 1/2" clearance off the ground. This not only helps with all terrain capabilities but gives the driver better visibility of the environment around them. The OPTEC Zuumer is a stand-alone vehicle without the need for kick stands. This is important feature not only is convenient but is efficient and safe for responders that need to jump off the vehicle quickly without harm to themselves or the Zuumer. It uses the natural movements and reaction of the driver's body to steer through any situation. The average learning time is 10 minutes.

REACH OUT



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