CHIGEE Launches SR-1: Automotive-Grade 77GHz Radar Built for Motorcycles

Descrizione

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Universal-fit blind spot detection, lane change assist, overtake alerts and rear collision warning for virtually any bike.

SHENZHEN, China, June 5, 2026 /PRNewswire/ â?? CHIGEE today announced the SR-1 Millimeter-Wave Radar System, a motorcycle-specific rider-assistance device that brings car-grade radar safety to riders on almost any bike. Built around an automotive-grade 77GHz sensor, the SR-1 continuously monitors the area behind and beside the motorcycle, alerting riders to hidden vehicles, unsafe lane changes, risky overtakes and fast-closing traffic.

Rather than adapting a car system for two wheels, CHIGEE engineered the SR-1 specifically around how motorcycles move through traffic. It runs four independent warning algorithms at once â?? Blind Spot Detection, Lane Change Assist, Active Overtaking Alert and Rear Collision Warning â?? each tuned to a distinct riding scenario, with adjustable sensitivity.

The 77GHz frequency delivers millimeter-level accuracy when measuring distance and relative speed, while filtering out interference from signs and other roadside signals. A 2Tx/4Rx antenna sweeps a 110Â° field behind the bike with a detection range of up to 70 meters, working through rain, fog, dust and darkness.

The SR-1 also works both ways. A high-brightness light built into the radar module flashes automatically when a vehicle closes dangerously fast from behind, alerting the approaching driver â?? turning a passive sensor into an active safety device.

Installation is straightforward: the module mounts to the tail, indicators attach to the mirrors, and a single harness ties into the 12V circuit. The included indicators deliver core warnings with no display required, while pairing with CHIGEE AIO-5 and AIO-6 displays adds on-screen radar data and audible alerts. An optional CG BSD Radar Mirror Kit integrates the indicators directly into the mirrors.

â??We wanted to give every motorcycle a genuine extra sense, with hardware built to automotive standards,â?• said the CHIGEE team.

The CHIGEE SR-1 is now officially on sale at the official CHIGEE website, priced at US$219.

The SR-1 is a rider-assistance product and cannot eliminate all risk; riders should always check mirrors and stay aware of road conditions.

About CHIGEE

CHIGEE develops smart riding technology for motorcyclists, bringing car-grade intelligence and safety to two wheels.

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