



Contact: Karen Rankin
karen@nodarsensor.com
(855) 218-6422
www.nodarsensor.com

NODAR Showcases Stereo Vision Breakthroughs for Agricultural Autonomy at FIRA USA 2025

Boston, Massachusetts – [September 22, 2025] – NODAR, the leading provider of long-range, high-resolution stereo vision technology, will highlight its **Hammerhead™** stereo vision platform and **GridDetect™** obstacle detection technology at **FIRA USA 2025**, the premier event dedicated to agricultural robotics and autonomy. CEO Leaf Jiang will deliver a presentation on how NODAR's innovations enable safer, more reliable autonomy in the field.

Agriculture presents unique challenges for autonomy: dust, fog, darkness, unpredictable terrain, and harsh vibrations all strain traditional sensing technologies. NODAR's **Hammerhead™** platform delivers the foundation—dense, long-range 3D point clouds generated at real-time speeds, with centimeter-level precision. Built on this data, **GridDetect™** provides an agriculture-specific layer that organizes 3D perception into structured terrain and obstacle maps. This combination unlocks:

- **Higher Reliability** – Reduced meantime between failures, even in dusty, harsh environments.
- **Extended Range** – Ability to detect obstacles at greater distances, enabling faster, safer operation.
- **Fewer False Alarms** – Advanced algorithms reduce downtime and improve operator trust.
- **Field-Ready Accuracy** – Reliable obstacle and terrain classification in variable farm conditions.

“Autonomy on the farm requires sensors that deliver both precision and resilience,” said Leaf Jiang, CEO of NODAR. “Hammerhead provides the most accurate long-range stereo vision data available, and GridDetect translates that data into actionable intelligence for agricultural vehicles.”

NODAR is also expanding into the construction and mining sectors, recently entering the next phase of deployment with a leading European heavy equipment manufacturer. This momentum underscores the scalability of its stereo vision platform across industries.

About NODAR

NODAR is the leading provider of long-range, high-resolution stereo vision technology for automotive, industrial, and agricultural autonomy. Its patented **Hammerhead™** platform delivers

dense 3D perception at highway speeds and long ranges, while **GridDetect™** transforms that perception into real-time terrain and obstacle maps tailored for challenging environments like farms. Founded in 2018 and based in Boston, Mass., NODAR is accelerating the path to scalable autonomy.

For more information, visit www.nodarsensor.com