

Ouster Lidar, a provider of high-resolution lidar sensors for AVs, robotics, and mapping, have teamed up with Nvidia to advance development of commercial AVs.



Ouster are working with Nvidia to provide lidar sensors for use in level-3 to -5 autonomous driving systems being developed by major global automakers, targeting production in 2022. The lidar perception system, based on the high-resolution Ouster OS2 lidar, runs on the Nvidia Drive AGX platform. Nvidia's full-stack software delivers 360° sensor processing, mapping and path planning.

For autonomous driving systems, Ouster's structured lidar data can increase input processing speeds up to a hundredfold over traditional unstructured lidar data when using vector processors like Nvidia's GPUs. This enables faster object recognition and lower power requirements for the autonomous driving system.