CHC Navigation Introduces CGI-610 GNSS/INS Sensor

CHC Navigation (CHCNAV) has announced the release of the new CGI-610 GNSS/INS sensor, a high-precision dual-antenna receiver – designed to offer reliable and accurate navigation and positioning solutions for demanding land, marine, and aerial applications. The tight fusion of the latest GNSS technology with an industrial-grade MEMS IMU is powered by CHCNAV's algorithms to deliver accurate hybrid position, attitude and velocity data, even in complex and obstructed environments where GNSS outages can occur.

The CGI-610 is a powerful GNSS/INS system supporting data output up to 100Hz to meet the requirements of highly dynamic applications (airplane, train, car and other vehicles). The optional external odometer sensor for ground vehicles can provide an additional independent measurement of displacement and speed, which is fused with the GNSS/INS navigation solution.

"The CGI-610 GNSS/INS sensor is the perfect answer to the growing demand of robust positioning and navigation systems for the control of any unmanned vehicle and machine, as well as for highly dynamic applications," said George Zhao, CEO of CHC Navigation. "Industrial system integrators in need of a reliable GNSS/INS sensor with an exceptional price/performance ratio would definitely consider our CGI-610."

With its 4G modem, CAN and serial ports, the CGI-610 GNSS/INS sensor offers unparalleled compatibility to enable a wide range of applications including machine control, port automation, advanced trajectography, robotics and unmanned vehicles. The CGI-610's industrial design ensures reliable and consistent operation in the harshest environments.

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