The HG1120 is a micro-electromechanical system (MEMS) based inertial measurement unit (IMU) designed to meet the needs of a range of applications across various markets including agriculture, AUVs, industrial equipment, robotics, survey/mapping, stabilized platforms, transportation, UAVs, and UGVs. With industry standard communication interfaces and a wide input voltage range the HG1120 is easily integrated into the variety of architectures that these applications present. The extremely small size, light weight, and low power make the HG1120 ideal for most applications.

The HG1120 includes MEMS gyroscopes, accelerometers, and magnetometers. In addition, the HG1120 employs an internal environmental isolation system to attenuate unwanted inputs commonly encountered in real world applications. The internal isolation and other proprietary design features ensure the HG1120 is rugged enough to meet the needs of the most demanding users.

Three different performance grades of the HG1120 are available as off-the-shelf items. The HG1120 offers configurable features, such as output data rate and control signal filtering, to simplify system integration. Honeywell screens and calibrates all of the MEMS inertial sensors utilized in the HG1120 IMU.

The HG1120 is not ITAR controlled. Its Export Control Classification Number (ECCN) is 7A994.