

Three-axis MEMS Gyroscope Offers 360 Degrees of Freedom



STMicroelectronics introduced a single-package analog gyroscope that accurately measures angular rates along three orthogonal axes. The sensor provides 360° angular-rate detection for high-precision 3D gesture and motion recognition in mobile phones, game controllers, personal navigation systems and other portable devices. Combined with a three-axis accelerometer, this gyroscope enables the creation of Inertial Measurement Units, devices that track and deliver complete information on the type, rate, and direction of motion of humans, vehicles and other objects. The innovative gyroscope provides two separate outputs for each of the three axes at the same time: a 400 dps full-scale value for high accuracy of slow motion and a 1,600dps full-scale value to detect and measure very fast gestures and movements.

STMicroelectronics

7818612650, www.st.com [1]

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