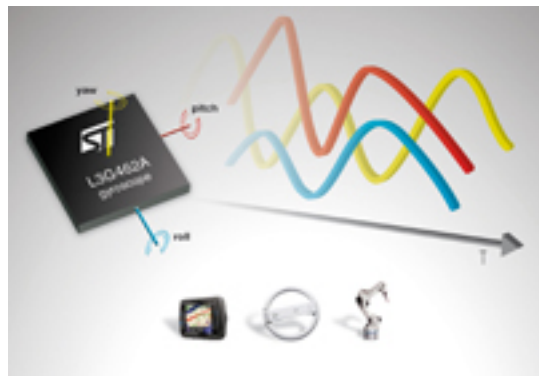


Three-axis Analog Gyroscope Touted as World's Smallest



STMicroelectronics has announced what are said to be the market's smallest three-axis analog-output gyroscope. Housed inside a small 4 mm x 4 mm x 1 mm³ package, the L3G462A gyroscope provides accurate angular-rate detection with a separate output for each of the three axes. The full scale of ± 625 dps accurately measures gestures and movements of different types and speeds, enabling applications from navigation to motion-activated user interface and gaming. The analog interface ensures fast response with low latency, and it offers flexibility in external filtering capabilities and fine-tuning of key parameters to the individual application requirements. The gyroscope's stability over temperature (± 0.04 dps/ $^{\circ}$ C) and sensitivity ($\pm 0.017\%$ / $^{\circ}$ C) are asserted to improve measurement accuracy and the low noise level (0.017 dps/ $\sqrt{\text{Hz}}$) offer high precision in movement and gesture recognition. This three-axis analog-output gyroscope can operate with any supply voltage in the range of 2.4 V to 3.6 V, and the power-down and sleep-to-wake modes contribute to the reduction in power consumption of the entire system.

STMicroelectronics

781-861-2650, www.st.com [1]

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<http://www.ecnmag.com/product-releases/2011/04/three-axis-analog-gyroscope-touted-world%E2%80%99s-smallest>

Links:

[1] <http://www.st.com>