

LISA: a Japanese 3D Laser Scanner

Develo Inc. (Japan) has released LISA, a 3D laser scanner which can be used on moving platforms such as a cars, helicopters, and ships. In its compact body, LISA combines a 3D laser scanner, digital camera, GPS, and motion sensor. While LISA is operated from moving platforms, it understands its own location, attitude and moving tendency. The motion sensor analyses the movement of the unit and estimates the next position and attitude.

The eye safe mode of LISA is classified as "Class 1"™ and the weight of the system is less than 25kg. LISA has the real time accuracy of less than 0.01degrees for each roll, pitch, and yaw axis. The accuracy will be more precise after the post processing procedure. The price of 2006 model is US\$850,000 FOB (free on board) Osaka. Develo is preparing the 2007 model with some improved features. The price for this type will be decided within a few months.

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