IRVINE SENSORS CORPORATION

NEWS RELEASE

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IRVINE SENSORS EAGLE-10™ TESTS AT INTERNET SPEEDS SUCCESSFUL

FOR IMMEDIATE RELEASE

COSTA MESA, CALIFORNIA -- June 23, 2010 -- Irvine Sensors Corporation (NASDAQ: IRSN) today announced that its EAGLE-10™ "blade" product has been verified by third-party testers as being able to sustain up to 10 gigabits per second ("10 Gb/s") operations while running various firmware embodiments of cyber security software. 10 Gb/s is the present speed of the optical connections to the Internet backbone. Irvine Sensors' EAGLE-10 uses the Company's chip-stacking technology to enable its very high speed processing and optical input/output ("I/O") connections to physically match the Internet interface. This combination is designed to permit "full packet", continuous inspection of Internet I/O data streams to detect anomalies and unauthorized intrusions, rather than just analyzing intermittent samples. Irvine Sensors is unaware of any competitive products that have demonstrated performance comparable to that achieved by the EAGLE-10.

The Company has also recently announced that it is under contract to extend the performance level of its EAGLE product family to design speeds of 40 gigabits per second and 100 gigabits per second. While developed for certain government requirements, particularly cyber security, Irvine Sensors is making the basic EAGLE products available for other potential users. The EAGLE products provide a very high speed processing platform for embedding a wide range of firmware. Interested users are invited to contact John Leon at jleon@irvine-sensors.com regarding quotations of pricing and schedule.

Irvine Sensors Corporation (www.irvine-sensors.com), headquartered in Costa Mesa, California, is a vision systems company engaged in the development and sale of miniaturized infrared and electro-optical cameras, image processors and stacked chip assemblies and sale of higher level systems incorporating such products. Irvine Sensors also conducts research and development related to high density electronics, miniaturized sensors, optical interconnection technology, high speed network security, image processing and low-power analog and mixed-signal integrated circuits for diverse systems applications.

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