



NEWS RELEASE

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IRVINE SENSORS OUTLINES PLANNED ROLL-OUT OF “WIDE WORD” PRODUCT FAMILY First High-Speed Board for Internet Security Applications Available Now

FOR IMMEDIATE RELEASE

COSTA MESA, CALIFORNIA -- June 13, 2007 -- Irvine Sensors Corporation (NASDAQ: IRSN, Boston Stock Exchange: IRSN) today disclosed the approximate planned introduction schedule for a family of anticipated products being designed to take advantage of the Company’s proprietary 3-D electronics to achieve wide word direct memory access, which enables parallel processing at very high speeds. To date, Irvine Sensors has received an aggregate of approximately \$2.7 million in government funding to develop this technology for various applications related to hardware and software security of data communications and electronics systems. Irvine Sensors plans to introduce commercial versions of the products being developed for government applications as they meet appropriate demonstration and qualification milestones. The expected wide word product family will consist of components and systems designed to provide information security through data and situation awareness.

Irvine Sensors’ initial commercial offering in the product family is a first generation processing board that performs very fast comparisons of data to known patterns of interest. Irvine Sensors today announced the availability of this product, which is named the EAGLE.1 Board™. Among other uses, the EAGLE.1 Board can implement Ternary Content Addressable Memory (“TCAM”) and specialized firmware. TCAM is a memory technology that enables broad data searches in a very short, fixed time, which has numerous Internet applications such as intrusion detection and prevention, SPAM filtering and search engines. Irvine Sensors’ EAGLE.1 Board can examine content of an Internet data stream at one (1) Gigabit per second (“Gbps”). Irvine Sensors believes that the EAGLE.1 Board may be the world’s first commercially available product to achieve such operation at this speed. The Company is in active development of a second generation of this processing board under an existing government contract with the goal of achieving operations at speeds up to ten (10) Gbps, which is the present operating speed of network core routers and communication links. This second generation product will be referred to as the EAGLE.10 Board™. It is expected to be available in the fourth calendar quarter of this year. Irvine Sensors believes that the architecture of its EAGLE Boards is scalable to speeds well in excess of 10 Gbps and is seeking government sponsorship to achieve that goal. Such higher-speed performance is

expected to permit real-time inspection and response to content of Internet data flow without impact to network throughput.

Irvine Sensors also has existing government funding to develop an ultra high speed stacked chip processing module designed to protect sensitive and high value electronic hardware and software from piracy and reverse engineering, which is another component of the firm's planned wide word information security product family. A commercial version of this processing module is expected to be available for introduction in the summer of 2008. In addition to the EAGLE processing boards and the processing module, Irvine Sensors' planned information security product family also is designed to include a high speed input/output board and a correspondingly high speed memory board. The integration of these boards with Irvine Sensors' 3-D electronics is expected to result in a wide word system that can provide high bandwidth, direct interconnections between processors and memory thereby eliminating the traditional speed bottlenecks imposed by use of memory buses. In addition to the data communications and security applications that are driving the government development of these technologies, Irvine Sensors believes that diverse commercial applications can also benefit from wide word systems, starting with such demanding fields as medical processing, real-time video processing and video games and supercomputers and eventually migrating into other high-performance electronics requiring processing with significant memory support. Irvine Sensors is presently seeking government sponsorship to pursue the development of the input/output and memory board components required for the integrated system.

Potential customers for Irvine Sensors' EAGLE.1 Board are urged to contact John Leon at jleon@irvine-sensors.com for further information regarding specifications, pricing and schedules.

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, the manufacture and sale of optical systems and equipment for military applications through its Optex subsidiary and 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.

Safe Harbor Statement under the Private Securities Litigation Reform Act of 1995: This message may contain forward-looking statements based on our current expectations, estimates and projections about our industry, management's beliefs, and certain assumptions made by us. Words such as "anticipates," "expects," "intends," "plans," "believes," "seeks," "estimates," "may," "will" and variations of these words or similar expressions are intended to identify forward-looking statements. These statements include, but are not limited to, our expectations regarding our schedule and ability to meet the developmental challenges of our various contracts to develop components of, and the completion, integration and performance of, our planned wide word family of information security products. Such statements speak only as of the date hereof and are subject to change. We undertake no obligation to revise or update publicly any forward-looking statements for any reason. These statements are not

guarantees of future performance and are subject to certain risks, uncertainties and assumptions that are difficult to predict. Therefore, our actual results could differ materially and adversely from those expressed in any forward-looking statements as a result of various factors.

Important factors that may cause such a difference include, but are not limited to, our ability to develop, complete, introduce, market and transition to volume production new products and technologies addressing wide word direct memory access in a cost- effective and timely manner; our ability to successfully meet potential customers' delivery requirements and resolve any potential development or qualification challenges; the ability of our suppliers to meet our parts requirements; the pricing of key components of our EAGLE; the ability of our suppliers to meet our parts requirements; the pricing of key components of our EAGLE Boards or future related products from our suppliers, in particular the pricing necessary to address consumer markets; our success in achieving government contracts to fund additional elements of our integrated system design, government funding delays and spending priorities; and the general economic and political conditions and specific conditions that may impact potential markets for our products that incorporate our wide word technology. Further information on Irvine Sensors Corporation, including additional risk factors that may affect our forward looking statements, is contained in our Annual Report on Form 10-K, our Quarterly Reports on Form 10-Q, our Current Reports on Form 8-K and our other SEC filings that are available through the SEC's website (www.sec.gov).

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