



IRVINE SENSORS CORPORATION NEWS RELEASE

CONTACT: Investor Relations
Irvine Sensors Corporation
714-444-8718
investorrelations@irvine-sensors.com

FOR IMMEDIATE RELEASE

IRVINE SENSORS RECEIVES \$1.2M ADD-ON TO THERMAL VIEWER CONTRACT

COSTA MESA, CALIFORNIA – April 19, 2005 -- Irvine Sensors Corporation (Nasdaq: IRSN, Boston Stock Exchange: ISC) announced today that it has received an approximate \$1.2 million add-on to the initial \$1.3 million contract announced in September 2004 for development of an enhanced version of its Personal Miniature Thermal Viewer (“PMTV®”). The proprietary PMTV is a hand-held, battery-operated thermal video viewer, complete with display and eyepiece, which weighs less than 0.5 pound and fits comfortably in the palm of a user’s hand. Using Irvine Sensors’ proprietary Cam-Noir® infrared uncooled camera technology, the PMTV is designed to provide users with the ability to see in total darkness or in other adverse viewing conditions, such as smoke or fog. Because of its small size and weight, it can be stowed easily in a shirt or pants pocket when not in use.

Irvine Sensors announced the delivery of a small production lot of a first-generation version of the PMTV for use in the global war on terrorism in December 2004. The goals of the development contract which just received the add-on funding are to increase resolution of the PMTV to 640 x 480 quality, further reduce its size, weight and power requirements and expand its field operating temperature range. The new add-on funding is expected to allow Irvine Sensors to build and deliver additional enhanced test units demonstrating these features to various potential end-use military customers.

--00--

Cam-Noir is a registered trademark of Irvine Sensors Corporation.
PMTV is a registered trademark of Irvine Sensors Corporation

Irvine Sensors Corporation, headquartered in Costa Mesa, California, is primarily engaged in the design, manufacture and sale of stacked chip assemblies, infrared cameras and application-specific electronics. The Company also conducts funded research and development related to high density electronics, miniaturized sensors, optical interconnection technology, high speed routers, image processing and low-power analog and mixed-signal integrated circuits for diverse systems applications.

--00--

Safe Harbor Statement under the Private Securities Litigation Reform Act of 1995: This news release 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," "projects", "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 ability to successfully meet the specified requirements of our development contract. 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, the timing and successful completion of PMTV technology and product development through volume production; the availability of infrared sensor components suitable for our PMTV; the potential demand for thermal viewers and our ability to qualify, manufacture and respond to such demand, if it is present; the government's acceptance of our technology and governmental funding and budgetary constraints; our ability to control costs and expenses; the potential unforeseen impact of product offerings from competitors; our ability to raise additional capital; and general economic and political conditions and specific conditions in the markets we address, particularly as it might effect the status of contract manufacturing sources that we would likely have to employ to ramp up volume production. 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).

--00--