



NEWS RELEASE

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

IRVINE SENSORS PURCHASE ORDER FOR COTI DELIVERIES INCREASED

FOR IMMEDIATE RELEASE

COSTA MESA, CALIFORNIA -- April 20, 2010 -- Irvine Sensors Corporation (NASDAQ: IRSN) today announced that it has received and accepted new delivery orders for Clip-On Thermal Imager ("COTI") cores from Optics 1, Inc., of Manchester, New Hampshire, an optical systems designer and manufacturer. The two firms have previously announced a teaming agreement to support production opportunities for COTI systems. COTIs clip onto existing military night vision goggles and provide users with thermal images to complement the amplified low-light images that such goggles can currently provide. The newly-scheduled COTI deliveries are intended for a mix of customers and increase an existing purchase order to Irvine Sensors to an aggregate released level of \$8.6 million.

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 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 ability to satisfy the delivery requirements of the additional COTI core order. 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 raise additional debt or equity financing to meet the working capital needs of our business and our thermal imaging purchase orders; the availability of components intended for integration into our thermal imaging cores products; and the general economic, market and political conditions and specific conditions that may impact our operations. 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--