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NEWS RELEASE

FOR IMMEDIATE RELEASE

Image Sensing Systems Drives Past the 100,000 Mark *Autoscope® and RTMS® unit sales surpass major milestone*

St. Paul, MN, June 1, 2009-- Image Sensing Systems, Inc. (NASDAQ: ISNS), world leading developer of Intelligent Transportation Systems (ITS) computer-enabled detection and traffic control technology, announced today that it has surpassed the 100,000 mark for computer enabled detection instances sold. Autoscope video and RTMS radar solutions have been deployed in more than 60 countries, providing transportation managers with the ability to manage their traffic systems more effectively based on real-time traffic data as they extend the life and enhance the value of public transportation infrastructure.

Ken Aubrey, CEO, stated, "We would like to acknowledge and recognize our global customer base, since passing this mark was only possible with their efforts. As traffic congestion continues to grow unabated, the implementation of above ground traffic detection technology will increase. With unique expertise in video and radar technologies, we are positioned to provide solutions tailored for nearly every type of environment. We look forward to continuing the success of Autoscope and RTMS beyond this milestone. It is a celebration of the efforts of all our customers and partners, both integral to advancing ITS detection in the world's transportation infrastructure."

Autoscope and RTMS brand solutions improve traffic flow and safety in both urban and interurban environments, resulting in reduced hazardous vehicle emissions. In urban areas, such technology allows for optimal intersection control management based on real-time conditions. In an interurban environment such as a highway or freeway, vehicle traffic data is measured to alert drivers of upcoming queues or to provide travel time estimates.

About Image Sensing Systems

Image Sensing Systems, Inc. is a technology company focused in infrastructure productivity improvement through the development of software-based detection solutions for the Intelligent Transportation Systems (ITS) sector and adjacent overlapping markets. ISS' industry leading computer-enabled detection (CED) products, including the Autoscope® machine-vision family and the RTMS® radar family, combine embedded software signal processing with sophisticated sensing technologies for use in transportation, environmental and safety/surveillance management. CED is a group of technologies in which software, rather than humans, examines the outputs of complex sensors to determine what is happening in the field of view in real-time. With more than 100,000 instances sold in over 60 countries worldwide, our depth of experience coupled with breadth of product portfolio uniquely positions us to provide powerful hybrid technology solutions and to exploit the convergence of the traffic, security and environmental management markets. We are headquartered in St. Paul, Minnesota. Visit us on the web at imagesensing.com.

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