

NEC Electronics and NEC Introduce IMAPCAR[®] Image Processor with Advanced Parallel Processing Capabilities for Automotive Safety Systems

New Processor Adopted in Lexus LS460 Pre-crash Safety System

DUESSELDORF (Germany) and TOKYO (Japan), August 25, 2006 —

NEC Electronics Corporation (“NEC Electronics”) and NEC Corporation (“NEC”), with support from Toyota Motor Corporation (“Toyota”) and Denso Corporation (“Denso”), today introduced the IMAPCAR[®] image processor for automobiles, which can detect nearby objects such as vehicles, pedestrians, and lane markers in real-time, enabling automobile manufacturers to easily implement safety mechanisms and collision prevention systems. IMAPCAR (Image Memory Array Processor for CAR) will be featured in the pre-crash safety system of the new Lexus LS460 developed by Toyota, scheduled to be available this autumn.

IMAPCAR is five times faster than the leading automotive image processor, boasting performance of up to 100 GOPS (Giga (billion) Operations per Second). Using parallel processing technology throughout its 128 processing elements, IMAPCAR provides the advanced performance necessary for real-time identification of objects.

The image recognition functions are processed by software, which allows easy modification of programs as compared to hardware solutions. Additionally, the 0.13-micron process technology used in the IMAPCAR helps it suppress power consumption to under 2 watts, which is optimal for automobiles.

NEC Electronics and NEC have long recognized the need for image recognition technology in automotive and intelligence transportation applications, and began research and developments in 1990 at NEC’s research laboratories. In particular, the companies focused on parallel processing technology, which was necessary for advanced recognition of and response to moving images.

The first single-chip image processor was introduced in February 2003, and consequently exhibited at industry events such as CEATEC 2003, ITS 2004, and Convergence 2004. IMAPCAR was developed in conjunction with Toyota and Denso, based on this technology.

NEC Electronics and NEC believe IMAPCAR will help manufacturers of automobiles and automotive electronics more efficiently develop safety systems, leading to widespread adoption in vehicles. The companies will pursue further developments in the field of image recognition technology, refining the technology for pre-crash safety systems, as well as developing both high-end and low-end devices for use in a wide range of markets including security, game, robot, and factory automation.

— more —

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Availability

Samples of the IMAPCAR® are now available. Volume production is available immediately upon order. Monthly production volumes are expected to reach 10,000 units by the end of the fiscal year in March, 2007. Availability is subject to change.

About NEC Electronics

NEC Electronics Corporation (TSE: 6723) specializes in semiconductor products encompassing advanced technology solutions for the high-end computing and broadband networking markets, system solutions for the mobile handset, PC peripherals, automotive and digital consumer markets, and platform solutions for a wide range of customer applications. NEC Electronics Corporation has 25 subsidiaries worldwide including NEC Electronics America, Inc. (www.am.necel.com) and NEC Electronics (Europe) GmbH (www.eu.necel.com). For additional information about NEC Electronics worldwide, visit www.necel.com.

About NEC

NEC Corporation (NASDAQ: NIPNY) is one of the world's leading providers of Internet, broadband network and enterprise business solutions dedicated to meeting the specialized needs of its diverse and global base of customers. NEC delivers tailored solutions in the key fields of computer, networking and electron devices, by integrating its technical strengths in IT and Networks, and by providing advanced semiconductor solutions through NEC Electronics Corporation. The NEC Group employs more than 150,000 people worldwide and had net sales of approximately 4,825 billion yen (approx. \$41.2 billion) in the fiscal year ended March 2006. For additional information, please visit the NEC home page at: <http://www.nec.com>

* Newsroom: <http://www.nec.co.jp/press/en/>

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