

DENSO Improves Performance of In-vehicle Vision Sensors*

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KARIYA (Japan) – DENSO Corporation today announced that the image sensors provided by Sony Semiconductor Solutions Corporation has helped DENSO improve the performance of its in-vehicle vision sensors* and can now detect pedestrians during night conditions. This improvement helps strengthen DENSO's suite of Advanced Driver Assistant systems used to help prevent traffic accidents.

Traffic accidents occurring at night often involve pedestrians and can cause severe injury. The New Car Assessment Program (NCAP) followed in Europe and Japan, is considering including night-time pedestrians within the scope of collision avoidance in its safety performance evaluation standards for automatic braking systems. The newly developed vision sensors will help meet this new safety requirement.

Sony's highly sensitive image sensors, which are also used in surveillance and other monitoring devices, enable cameras to take clear images of objects even at night. DENSO has improved the quality of Sony's image sensors in terms of ease of installation, heat resistance, vibration resistance, etc. to be used in vehicle-mounted vision sensors. DENSO has also used Sony's image signal processors (ISPs) for noise reduction and optimization of camera exposure parameters to better recognize and take clearer images of pedestrians at night.

Sony holds the largest share of the global image sensor market. Its image sensors are used in a wide variety of products including digital cameras, smartphones, and other home electronics.

DENSO is developing technologies and products to help create a society free from traffic accidents. Based on these, DENSO will continue

to contribute to building a safe and secure automotive society for all people around the world, not just for drivers and pedestrians.

*** Vision Sensors**

Vision sensors are used with cameras to detect white lines on roads and objects ahead.

About DENSO Corporation

DENSO Corp., headquartered in Kariya, Aichi prefecture, Japan, is a leading global automotive supplier of advanced technology, systems and components in the areas of thermal, powertrain control, electronics and information and safety. Its customers include all the world's major carmakers. Worldwide, the company has more than 200 subsidiaries and affiliates in 38 countries and regions (including Japan) and employs more than 150,000 people. Consolidated global sales for the fiscal year ending March 31, 2016, totaled US\$40.2 billion. Last fiscal year, DENSO spent 8.8 percent of its global consolidated sales on research and development. DENSO common stock is traded on the Tokyo and Nagoya stock exchanges. For more information, go to www.denso.com, or visit our media website at www.denso.com/global/en/news/media-center/

About DENSO in North America:

In North America, DENSO employs more than 23,000 people at 30 consolidated companies and affiliates. Of these, 25 are manufacturing facilities located in the United States, Canada and Mexico. In the United States alone, DENSO employs more than 15,000 people in California, Michigan, North Carolina, South Carolina, Tennessee, Kentucky, Georgia, Iowa, Ohio, Pennsylvania, Texas, Alabama and Arkansas. DENSO's North American consolidated sales totaled US\$9.9 billion for the fiscal year ending March 31, 2016. For more information, go to www.densocorp-na.com.

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