Magna’s multi-camera system provides a high-resolution, 360-degree field of view around the vehicle. The domain controller then creates a 3D surround-view image by processing the four camera images, rendering a seamlessly stitched 3D view of surroundings in relation to the vehicle. The system helps drivers park in even the tightest of spaces and provides an enhanced level of comfort and convenience.

Magna’s system also delivers data to help improve the performance of other vehicle systems such as emergency braking, and automatically detects and warns the driver when the camera lens is impeded by snow, ice, dirt or raindrops.
"By providing a high-performance surround view platform that is cost-effective, we’re helping our customers bring added safety and convenience to more drivers," said Uwe Geissinger, Magna Electronics President. “This broader on-the-road experience serves as an excellent enabler for future levels of autonomous driving that will require advanced 360-degree camera performance and full system integration.”

Magna provides advanced driver-assistance systems to automakers around the world, with a focus on the Level 2/2+ systems that serve as the building blocks for future autonomy. Magna-made ADAS can now be found on more than 250 vehicle models, providing features that improve the daily commute and add a layer of driver safety.

TAGS
Software, ADAS, driver-assistance systems

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We are a mobility technology company. We have more than 158,000 entrepreneurial-minded employees and 342 manufacturing operations and 91 product development, engineering and sales centres in 27 countries. We have complete vehicle engineering and contract manufacturing expertise, as well as product capabilities that include body, chassis, exteriors, seating, powertrain, active driver assistance, electronics, mechatronics, mirrors, lighting and roof systems. Our common shares trade on the Toronto Stock Exchange (MG) and the New York Stock Exchange (MGA). For further information about Magna, visit www.magna.com.

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