

## MAGNA BRINGS NEXT GENERATION FRONT CAMERA MODULE TO MARKET WITH EUROPEAN OEM

- Magna's Gen5 system delivers a scalable, one-box front camera module delivering long range perception and side detection
- High-volume award to equip various platforms across regions and vehicle models over the next few years
- Production set to begin in late September 2023

SAILAUF, Germany, Sept. 4, 2023 – During its IAA Mobility 2023 press conference, Magna announced the start of production of its innovative Gen5 front camera module system for a European OEM. The high-volume business award will support various platforms across regions and vehicle models over the next few years. Magna leveraged its market-leading camera expertise and global manufacturing processes to develop a scalable, one-box front camera module which it will supply to the automaker.

The complete forward facing camera system features a wide field of view with opening angles of 120 degrees horizontally and 48 degrees vertically. This allows for both long-range perception of obstacles exceeding 160 meters in front of the vehicle, and detection of side objects, such as traffic lights, emergency vehicles and cut-in vehicles. The camera offers eight megapixels of resolution, a 36 frames per second frame rate and a full colour image. The microcontroller is scalable for sensor fusion with up to five radars.



*The Gen5 front camera module system is manufactured at Magna facilities in Germany, Slovakia and in China*

"We are dedicated to providing cutting-edge solutions and innovations that prioritize safety for all who share the road," said Sharath Reddy, Senior Vice President Magna Electronics. "With our latest generation front camera module system, we are advancing driver assistance by offering essential features that keep drivers engaged and provide real-time road insights, equipping them with a comprehensive understanding of their surroundings."

The system offers features like:

- Trained Park Assist (TPA), a parking automation comfort feature that provides the driver with an option to park the vehicle automatically with a previously learned “park-in” or “park-out” trajectory.
- Environmental Condition Recognition (ECR) that classifies the current condition of road surfaces ahead with respect to wetness or snow coverage for piloted driving functions to control the vehicle.
- Monocular Scene Reconstruction (MSR) which detects the transition of drivable to non-drivable areas. For example, asphalt to grass transitions, construction site delimiters and many more.
- Hazard Detection (HZD), noticing static obstacles on the road upfront to avoid collisions.

## TAGS

IAA Mobility 2023, Magna IAA, ADAS, Cameras, Product & Technology

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## ABOUT MAGNA

Magna is more than one of the world’s largest suppliers in the automotive space. We are a mobility technology company built to innovate, with a global, entrepreneurial-minded team of over 174,000 employees across 351 manufacturing operations and 103 product development, engineering and sales centres spanning 30 countries. With 65+ years of expertise, our ecosystem of interconnected products combined with our complete vehicle expertise uniquely positions us to advance mobility in an expanded transportation landscape.

For further information about Magna (NYSE:MGA; TSX:MG), please visit [www.magna.com](http://www.magna.com) or follow us on social.

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