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FORVIA HELLA introduces its first Switchable Intelligent Glass ECU, expanding portfolio of body electronics

- Featuring seamless adjustment of automotive glass transparency
- Designed for flexible integration into vehicle applications such as panoramic sunroofs and side windows
- In series production in China since August this year

International automotive supplier FORVIA HELLA introduces its first Switchable Intelligent Glass ECU, further expanding its product portfolio of body electronics. This innovative ECU (electronic control unit) enables seamless adjustment of automotive glass transparency and intelligent protection, creating a “third space” within the vehicle that combines expanded fields of view, optimal natural-light, sun protection, and privacy—significantly enhancing both driving comfort and intelligence. The product entered mass production in China in August and is already being adopted by several leading local automakers.

“This ECU is fully developed locally in China, with a user-oriented approach and deep understanding of the local market,” says Binyi Bai, responsible for FORVIA HELLA's electronics business in China. “As the new energy vehicle market continues to grow and consumer demand for intelligent, comfortable vehicles increases, our Switchable Intelligent Glass ECU is poised for widespread adoption, driving the evolution of body electronics toward scenario-based and ecosystem-oriented solutions.”

“Features like panoramic glass roofs and intelligent glass solutions are becoming hallmarks of modern vehicle design. The need for intelligent glass solutions is especially pronounced. Our innovative ECU directly addresses these emerging needs and unlocks new market potential for us”, says Joachim Ziethen, head of the global product center Body Electronics at FORVIA HELLA. “By expanding our product portfolio with this breakthrough, we are not only driving our business growth but also bringing added value to our customers to stay ahead in the rapidly transforming market.”

FOR MORE INFORMATION, PLEASE CONTACT

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Enhanced User Experience and Comfort

Developed with a focus on user experience and sustainability, FORVIA HELLA's Switchable Intelligent Glass ECU enables seamless adjustment of automotive glass transparency. Passengers can enjoy an expanded field of view, optimal natural light, sun protection, and privacy at the touch of a button. The dimming function can be tailored to weather conditions and personal preferences, effectively blocking UV and infrared rays, reducing cabin temperature, and enhancing overall comfort. By minimizing the need for interior climate control, it also helps reduce energy consumption and extend the range of electric vehicles. For side windows, the privacy feature allows passengers to enjoy a private environment while still appreciating external views. The ECU also supports a range of extended functions, including communication and entertainment features, delivering a richer and more engaging in-car experience.

Advanced Technical Performance

FORVIA HELLA's Switchable Intelligent Glass ECU stands out for its intelligent brightness adjustment and precise zonal control. Its compact design allows for easy installation and broad applicability. Continuous monitoring and automatic protection modes ensure vehicle safety and long-term performance.

Note: This text and suitable images can also be found in our press database at: www.hella.com/press

ABOUT FORVIA HELLA

FORVIA HELLA is a listed international automotive supplier. As a company of the FORVIA Group, FORVIA HELLA stands for high-performance lighting technology and vehicle electronics and, with the Lifecycle Solutions Business Group, also covers a broad service and product portfolio for the spare parts and workshop business as well as for manufacturers of special vehicles. With around 35,000 employees at over 125 locations, the company is active worldwide and generated adjusted sales of €8.1 billion in the fiscal year 2024. www.hella.com

ABOUT FORVIA

FORVIA, a global automotive technology supplier, comprises the complementary technology and industrial strengths of Faurecia and HELLA. With over 150,000 people, including more than 15,000 R&D engineers across 40+ countries, FORVIA provides a unique and comprehensive approach to the automotive challenges of today and tomorrow. Composed of 6 business groups and a strong IP portfolio of over 13,000 patents, FORVIA is focused on becoming the preferred innovation and integration partner for OEMs worldwide. In 2024, the Group achieved consolidated sales of €27 billion. FORVIA SE is listed on the Euronext Paris market under the FRVIA mnemonic code and is a component of the CAC SBT 1.5° indice. FORVIA aims to be a change maker committed to foreseeing and making the mobility transformation happen. www.forvia.com