

Joynext launches ultra-wideband-based child presence detection product for enhanced vehicle safety

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Joynext's CPD product features advanced UWB technology, ensuring precise child safety detection in vehicles, complying with C-NCAP standards

According to a press release on May 26, Joynext has introduced its first child presence detection (CPD) product, utilizing ultra-wideband (UWB) technology, now available on the market. This product will be installed in vehicle models of a notable Japanese joint venture brand to enhance child safety in automobiles. It is one of the initial mass-produced products in China that adhere to the China New Car Assessment Program's (C-NCAP) direct detection requirements for CPD using UWB technology.



Source: Getty Images

UWB is recognized for its high-precision and strong anti-interference capabilities, and Joynext, in collaboration with UbiTraq Technology Co. Ltd., has utilized an advanced UWB-CPD algorithm. This allows the product to effectively monitor and intervene in both the front and rear rows of vehicles, ensuring accurate detection even in challenging conditions such as when covered by blankets or in blind spots. The solution minimizes false detections and integrates software-hardware functionality to enhance reliability and reduce complexity and costs.

Joynext emphasized its expertise in smart manufacturing with a comprehensive automated production process to ensure the reliability and stability of its products. It follows high standards and a global quality system, conducting automated testing and verification from raw material acquisition through to final product delivery. This ensures compliance with market standards and customer needs.

The CPD product represents both a technological breakthrough and an alignment with global regulatory requirements, such as NCAP certifications. The technology effectively monitors subtle bodily functions, including breathing and heartbeat, and Joynext actively contributes to the development of CPD regulatory standards.

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