



VitaSense

Child Presence Detection System



Sensing Solutions for Child Presence Detection in Cars

A child can end being unattended in a car. In the automotive industry, IEE recognized the problem of children left in vehicles and thus exposed to heatstroke risk. We developed VitaSense Child Presence Detection to address this global issue and help prevent hot car deaths. In the US alone, 38 children die of vehicular heatstroke on average each year.

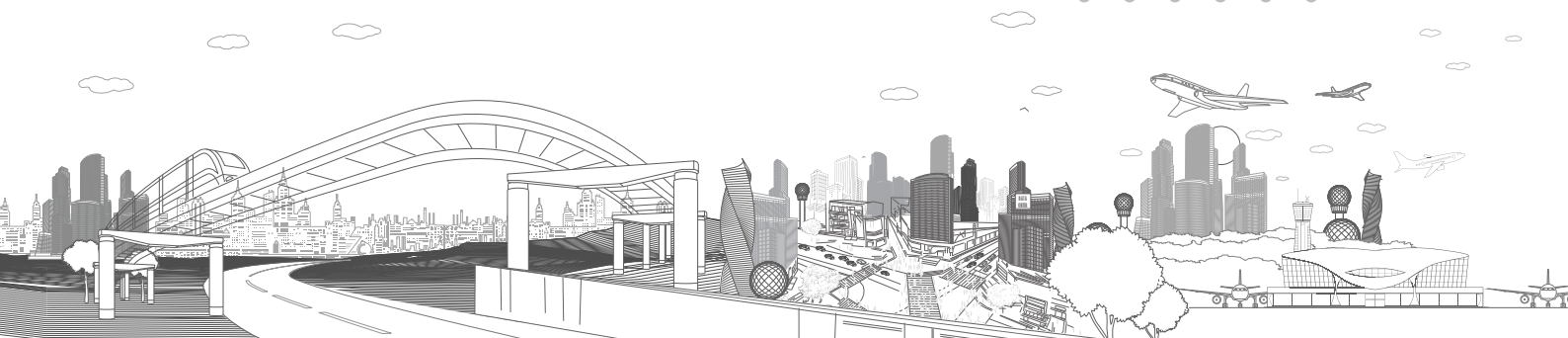
VitaSense is a highly accurate and reliable radar system made to detect even the vital signs of sleeping new-borns. When an unattended child is detected, the vehicle's alarm and communications systems can alert caretakers or passers-by that a child is still present in the car, helping save lives.

Need a customized solution?

If you want to talk about customization options, price, availability or other related to our products

Let's talk

iee-sensing.com



Why choose our system

01 World premiere

VitaSense is world's first interior radar sensing solution to detect at-risk unattended children, market entry 2020.

02 Tested and proven

Advanced sensing technology with innovative algorithms, based on extensive research and testing.

03 High accuracy

Detects the small movements of a sleeping new-born, even under blankets.

04 Variety of warnings

Various warnings can be triggered: flashing lights, sounds, smart phone messages, etc.

05 NCAP compliant

Responds to various NCAP incentives (Europe, Australia, China and ASEAN) and the US Hot Cars initiative.

06 Adaptable & private

Independent of any child restraint system, easy to implement for any vehicle manufacturer, Fully respects your privacy (no camera is used).

How does VitaSense work

- VitaSense is a small sensing unit, easy to integrate behind the vehicle headliner without altering the interior design
- Based on radar technology (ideal for interior occupancy monitoring) it emits low-power radio signals and analyses reflections
- The slightest motions of an occupant influence the signals, allowing VitaSense to discriminate between a living being and an inanimate object
- When an unattended child is spotted, VitaSense feeds the info into the vehicle system, enabling it to send out various alert notifications



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