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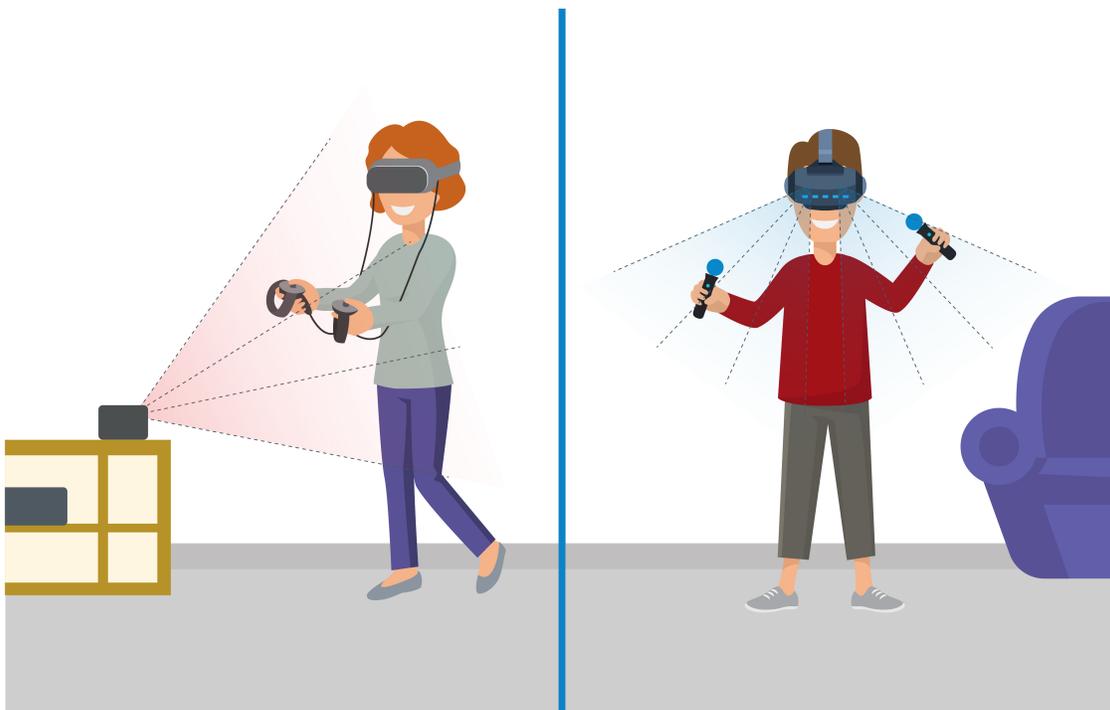


DEVELOPMENT TOOLS & OPERATING SYSTEMS FEATURE

Using Algorithms to Achieve Frame Alignment in AR/VR

For a true-to-life user experience, AR/VR systems need to achieve 6 degrees of freedom (DoF), which layers on linear positioning, freeing viewers from their fixed location. This gives users the ability to move backwards and forwards, up and down, and left and right in 3D space, to provide a more natural and realistic experience, which is the goal for equipment manufacturers.

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AUTOMOTIVE NETWORKING NEWS

NXP and VW Showcase Ultra-Wideband (UWB) Technology Potential

The Volkswagen UWB car key employs high-precision sensing technology and Artificial Intelligence to recognize certain user gestures.

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Intel? Neural Compute Stick 2

Powered by the Intel® Movidius® X VPU and supports OpenVINO®, a toolkit that accelerates solution development and streamlines deployment.

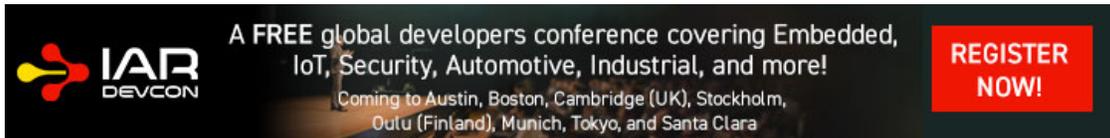
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POWER ELECTRONICS NEWS

ROHM's Buck-Boost DC-DC Converter Touts Power Savings

The solution achieves a power conversion efficiency of 97 percent during operation at a 200mA load current, along with a 2.8 μ A quiescent current consumption.

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EMBEDDED HARDWARE NEWS

Senseg ELFIAC Flexible Actuator Technology Uses Roll-To-Roll Manufacturing

ELFIAC (Elastomeric Film Actuator) actuators are far less expensive to produce than traditional actuators, and use cheaper, non-toxic materials. The inherent flexibility of the low-power ELFIAC technology is leveraged with an advanced, compact, and low-power high-voltage driver circuit, powered by a proprietary system-in-package jointly developed with ST Microelectronics.

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SENSOR HARDWARE NEWS

Alps Alpine's Digital Air- and Water-Pressure Sensor is Waterproof

The HSPPAD143A has a pressure measurement range from 300hPa to 2100hPa, and has a water-resistant design to work in both low-pressure environments at altitudes up to 9,000 meters and high-pressure conditions down to 10 meters underwater.

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Panel Discussion: Deploy AI at the Edge

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Tear Down: iBTB2 Bluetooth Drink Cooler

I live someplace where it's hot. So keeping my beverages cool while I'm out isn't the easiest thing to do. There are some drink coolers out there that do a pretty good job of this. However, there's only one that I'm aware of that combines a Bluetooth speaker with its cooler. That would be the iBTB2, better known as the iHome Double Wall Insulated Hydration Bottle with Detachable Waterproof Bluetooth Speaker.

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