Metaio to integrate 3D Augmented Reality into Intel® RealSense™ Computing SDK

Munich & San Francisco, 6 JANUARY 2014: Metaio, the world leader in augmented reality (AR) software and solutions, today announced at the 2014 Consumer Electronics Show (CES) the planned integration of their patented 3D augmented reality tracking software with the Intel® RealSense™ Software Development Kit (SDK).

Winner of multiple awards, including the ISMAR Tracking Competition and the recent 2013 Volkswagen Tracking Competition, Metaio’s augmented reality tracking technology recognizes real-world images, objects and environments in order to attach relevant digital or virtual information, in real-time. Tracking is perhaps the most important aspect of any augmented reality experience. Now, with the Intel® RealSense™ 3D camera integrating into 2 in 1, Ultrabook, notebook, and AIO devices, real and virtual objects environments will interact with each other in practical as well as entertainment applications. For example, someone could accurately map a room in their house and virtually rearrange the furniture on their computing devices.

"Intel’s vision is to make computing more immersive and enable human-like natural interactions with our devices," said Mark Yahiro, Managing Director, New Business, Perceptual Computing, Intel Corporation. "Using Intel RealSense 3D camera technology in combination with Metaio’s augmented reality tools, we look forward to blurring the virtual and real worlds further than ever before. For example, children will be able to play with their favorite toys and customize their experiences with digital interactions in creative new ways."

The Intel RealSense Software Development Kit (SDK) will be released in the first half of 2014. It will be an evolution of the Intel® Perceptual Computing SDK, which was released in 2012 and has been downloaded over twenty-five thousand times by developers worldwide. The Intel® RealSense SDK will include voice recognition in more than 9 languages; background subtraction, a capability that enables developers to add green-screen-like functionality to applications; close-range hand and finger tracking that permits users to control their computing devices with mid-air hand and finger gestures; and face analysis, which identifies users and tracks their facial features across the camera’s field of view. Once the addition of the 3D tracking and recognition engine by Metaio is completed, the Intel RealSense Computing SDK will offer developers advanced augmented reality features using depth data from the integrated Intel RealSense 3D camera in computing devices.

This anticipated integration brings new levels of interactivity to the SDKs of both Metaio and Intel. The 65,000 developers on Metaio’s AR platform will have access to advanced human-computer interaction features offered by Intel. Developers will be able to create experiences that utilize hand gestures or facial recognition; manipulate backgrounds and environments in real time; and utilize voice recognition, all for new augmented reality applications that bridge the physical and digital worlds for natural, intuitive and immersive experiences.

"Developers need the best tools," said Metaio CTO Peter Meier. "Metaio’s collaboration with Intel for the Intel
RealSense SDK with depth camera integration will allow developers to push the boundaries on creativity and use of technology in completely new ways of human interactions with computing devices.”

To learn more about the Metaio SDK and download it for free, please visit metaio.com/products.

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About Metaio
The worldwide leader in Augmented Reality (AR) research and technology, Metaio develops software products for visually interactive solutions between the real and the virtual world. Based on the Metaio Augmented Reality platform, digital and 3-D content can be integrated seamlessly into the real world through the user’s camera view. Serving over 65,000 developers and powering over 1,000 apps for enterprise, marketing, retail, publishing and industrial cases, over 30 Million consumers use Metaio’s AR software. Learn more at www.metaio.com

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