

uSens Launches Suite of Inside-Out Hand, Position Tracking and Mixed Reality Solutions for Mobile and PC Systems

uSens trailblazing inside-out tracking solutions equips developers to create natural and more interactive ARVR experiences for mass market

Macau, China, December 6th - uSens, Inc. , a pioneer in developing natural hand-and-head tracking technologies for augmented and virtual reality will open preorders for Color Fingo, while 25 American and Chinese uDev Challenge finalists will be the first to access a major update to uSens' Fingo hand tracking SDK as they compete for \$200,000 in cash prizes . SIGGRAPH Asia attendees can experience these groundbreaking technologies at uSens booth C-11.

With two RGB cameras and aided by a 9 axis motion sensor, Color Fingo brings advanced inside-out 6DOF (six degrees of freedom) positional tracking —without requiring external markers— as an add-on device to existing VR platforms using SLAM fusion algorithms. Not only that, uSens' computer vision technology in Color Fingo enables video see-through augmented reality that transforms a “pure VR” system into an AR and VR system.

“We’re making our Color Fingo hardware and software available for the industry in order to forge partnerships that will accelerate mass-market ARVR adoption,” said Dr. Yue Fei , CTO and co-founder of uSens. “We want to make it possible for developers to create the most comprehensive, naturally interactive 3D experiences, which require advanced tracking without a peripheral device.”

Color Fingo adds to an already robust portfolio of ARVR interaction solutions . uDev Challenge finalists will be the first 20 developers to access a major update to the Fingo SDK (dual IR camera for hand tracking and marker-based position tracking) that dramatically improves tracking accuracy, reliability, and efficiency. Representing the full spectrum of ARVR use cases and verticals, the finalists will submit their final apps to judges by February 2017. uSens will announce contest winners at the Game Developer Conference taking place in San Francisco from February 27th through March 3rd 2017.

Color Fingo Product Specs

- Tracking: 6DOF Inside-Out Position Tracking
- Mixed Reality/AR Overlay: Video See-Through Augmented Reality
- System Requirements: Android 4.4+, 64bit Windows 8+
- SDK Support: Unity3D, Java, C++
- Dimensions: 12.9mm X 37.5mm X 102.4mm
- Camera: Dual RGB 1280 X 720
- Range: 1m - 3m
- Field of View: 115° Horizontal, 90° Vertical
- Frame Rate: 60fps
- Latency: 20ms

About uSens

Founded in 2013, San Jose-based uSens, Inc. closes the gap between Virtual Reality and the real world. The pioneering ARVR software company provides inside-out, 26DOF hand and 6DOF head position tracking technologies for Augmented and Virtual Reality experiences. With domain expertise in 3D HCI technology, computer vision, and artificial intelligence, uSens is leading the industry to achieve Super Reality, a truly immersive and natural ARVR experience.

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