



Synaptics' New Virtual Reality Display Driver and VR Bridge Provide Ultimate User Experience for Emerging Head-Mounted Displays

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Combines Unmatched Dual 2K Image Quality, Industry-First Foveal Transport Technology, DP1.4 Connectivity Performance

SAN JOSE, Calif., Aug. 28, 2018 (GLOBE NEWSWIRE) -- Synaptics Incorporated (NASDAQ: [SYNA](#)), the leading developer of human interface solutions, today announced sampling of its new ClearView™ R63455 display driver IC (DDIC) featuring industry-first dual-display 2K resolution combined with unique foveal transport support for next generation virtual reality head-mounted displays (HMDs). In addition, Synaptics' new VXR7200 VR Bridge solution provides high-speed DisplayPort connectivity supporting full VESA DP1.4 bandwidth over tethered USB Type-C cables required for a best-in-class HMD user experience. Combined, these solutions bring the necessary high-performance visual support for next generation Augmented-, Mixed-, and Virtual-Reality HMDs used for applications including gaming, movies, commercial, medical and beyond.

"While virtual reality devices are becoming more common, issues remain with maintaining high-resolution graphics and avoiding motion sickness and the screen door effect. These display and connectivity issues can hinder even the best user experience, which is why Synaptics is focused on tackling these challenges for new generations of HMDs and a superior HMI experience. Analyst firm IHS Markit is predicting the world-wide VR headset installed base to exceed 90 million units by 2021, and Synaptics is well-poised to lead in these critical human interface advancements," **said Huibert Verhoeven, senior vice president and general manager, IoT Division, Synaptics.**

Key Features:

- R63455 VR DDIC optimized for 2160 x 2400 @ 90Hz head mounted display
- 1000ppi, 2K per-eye superior image quality
- Foveal Transport provides crystal-clear visual where you need it most
- VXR7200 VR Bridge supports full DP1.4 bandwidth using AMD/Nvidia GPUs over USB-C
- Support panels >2K resolution or faster refresh rates, without image loss due to cabling

About Synaptics:

Synaptics is the pioneer and leader of the human interface revolution, bringing innovative and intuitive user experiences to intelligent devices. Synaptics' broad portfolio of touch, display, biometrics, voice, audio, and multimedia products is built on the company's rich R&D, extensive IP and dependable supply chain capabilities. With solutions designed for mobile, PC, smart home, and automotive industries, Synaptics combines ease of use, functionality and aesthetics to enable products that help make our digital lives more productive, secure and enjoyable. (NASDAQ: [SYNA](#)) www.synaptics.com.

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