



Quantenna and Aerial Deliver Advanced Motion Detection Utilizing Existing Wi-Fi Infrastructures

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SAN JOSE, Calif., July 17, 2018 (GLOBE NEWSWIRE) -- [Quantenna Communications, Inc.](#) (NASDAQ:QTNA), the innovator and global leader of high performance Wi-Fi solutions, and [Aerial Technologies](#), the pioneer in wireless motion analytics powered by AI, today announced the two companies are bringing the latest in Wi-Fi motion detection technology to the market through their strategic partnership. This unique solution integrates Aerial's advanced AI motion recognition with Quantenna's leading-edge Wi-Fi chipsets while maintaining high-performance Wi-Fi. Currently, both companies are jointly working with Tier-1 internet service providers to commercially deploy Aerial's advanced motion detection and motion recognition services to their end customers.

Aerial's motion detection solution has operated for thousands of hours in a continuous test with no false positives, simulating over 7 years of operation. Aerial's solution is a significantly more precise, reliable, and affordable solution than other options such as infra-red, video and other radio frequency motion detection.

Quantenna's advanced spatial diagnostics technology allows for rapid collection of precise high-order MIMO channel state information, enabling a higher resolution sensing and detection capabilities. Leveraging Quantenna's technology, Aerial machine learning algorithms provide reliable motion detection services in dynamic wireless environments. Through intensive collaborative R&D efforts, Quantenna and Aerial have developed the industry's first motion detection solution on commercially available Wi-Fi access points, which provides the highest level of detection while maintaining Quantenna's superior Wi-Fi performance.

Aerial's patented Wi-Fi AI motion detection and recognition technology consists of two main components: its software agent and its cloud-based AI software. The partnership between the two companies offers new services and improves quality of existing ones in addition to cost-effective advantages for service providers in both hardware use and deployment. These advantages enable the immediate deployment of many additional value-added services to the end consumers including intrusion detection, elderly monitoring, and home automation. Ultimately, the Aerial solutions allow service providers to increase wallet share and monetize their Wi-Fi infrastructure.

"Wi-Fi is at the center of smart home, and Quantenna is constantly looking for innovative ways to improve customer experience and deliver new services," said Ambrose Popper, Vice President of Strategy and Corporate Marketing at Quantenna. "Through innovation and integration with Aerial technology, jointly we have enabled the seamless delivery of new critical services such as motion detection within the home."

"Our technology enables telecom operators to expand their reach into the consumers' home, to provide convenience and value-added services to their customers, thereby further monetizing their Wi-Fi infrastructure. All this with minimum investment and without using sensors, cameras, or wearables. This offering is the result of a tight collaboration between Quantenna's and Aerial's R&D and engineering teams," says Pascal Paradis-Théberge, Chief Product Officer at Aerial Technologies.

About Quantenna Communications

[Quantenna](#) (NASDAQ:QTNA) is the global leader and innovator of high performance Wi-Fi solutions. Founded in 2006, Quantenna has demonstrated its leadership in Wi-Fi technologies with many industry firsts. Quantenna continues to innovate with the mission to perfect Wi-Fi by establishing benchmarks for speed, range, efficiency and reliability. Quantenna takes a multidimensional approach, from silicon and system to software, to provides total solutions for service providers worldwide. For more information, visit www.quantenna.com.

About Aerial Technologies

Aerial provides ISPs and MSOs, healthcare players, security systems integrators, and smart object manufacturers with a unique cloud-based, low-cost solution that leverages existing wireless infrastructure and machine learning to give context, meaning and value to motion. Aerial's passive and contextual solutions do not require users to interact with them, they recognize users and background. With our Wi-Fi motion analytics SaaS, customers have access to new revenue streams with a minimum investment. Our customers also gain from accessing end-user actionable data to help them make better business decisions. We aim at becoming the wireless standard for smart motion detection through continuous innovation, passion, simplicity and inventiveness for the smart home, home care, security, healthcare and targeted media applications. Aerial's headquarters is based in Canada; we also operate from two regional offices in the USA and in Europe. For more information about how Aerial is making IoT more human, visit www.aerial.ai.

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