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Augumenta Premiers Development Tools That Make Smart Glasses Work:
Defines New Interface for Application Navigation and Control

New York – July 23, 2014 – Augumenta, Ltd., a Finland-based software provider, today announced and demonstrated development tools that define a new user interface for navigation and control of applications running on smart glass devices. The company premiered the Augumenta Interaction Platform at the Wearable Tech Expo, demonstrating natural, intuitive control of multiple applications running on single-camera smart glasses from ChipSiP, Epson and Google.

The Augumenta Interaction Platform provides smart glass application developers with a dynamic gesture vocabulary for commands and a first-of-its-kind interactive virtual surface toolkit. Virtual surfaces are privately viewable images that are seen only by the smart glass user and respond to such inputs as data entry on a numbered keypad or moving slider bars to change a machine setting.

"We believe smart glasses are a truly new class of computing platform and so require new navigation tools," said Tero Aaltonen, Co-Founder and CEO of Augumenta. "With both natural, intuitive navigation and an entirely new way to define control surfaces seen only by a glass wearer, developers will be able to craft applications that dramatically enhance productivity for mobile professionals and, ultimately, create consumer applications that go far beyond simple information access."

Useful Today, Future Looking

Key considerations addressed by the Augumenta platform revolve around application performance, power consumption and flexibility for the developer community.

- The dynamic gesture vocabulary provides an excellent experience in terms of gesture detection and recognition even in usage environments with multiple moving background objects.
- Designed for single camera systems to best meet size and power consumption requirements.
- Code optimized, always-on/always sensing detection and recognition functions minimize computing demands for best possible battery life.

- Multi-platform support (Android, Linux, Tizen, iOS and Windows) means flexibility for developers and user organizations in the rapidly evolving smart glass segment.
- Combination of gesture vocabulary and virtual input surface design provides a path to exponential increase in potential applications (and unique privacy/security capability).

At Work and Play

Augumenta believes that mobile worker applications across many different industries – from field service, factory floor and job sites to medical professions – will be areas of fast growth for smart glass deployment in the next few years. A brief video produced by Augumenta uses several user scenarios to illustrate the simplicity and power available to developers of professional and consumer applications.

The ability to launch applications by pointing at displayed icons is the first step to navigating through data and controlling tasks. In an industrial setting, slider bars created as a virtual surface can be used to control machine operations. Secure, private data entry using a virtual keypad (which can automatically scramble its characters) allows electronic door entry or point-of-sale verification.

Identify verification is just the start of many potential consumer market applications. Multi-user interaction, demonstrated with a simple game of "Rock, Paper, Scissors" hints at the future for gaming and other new consumer facing applications.

Release Information

Now in limited beta release for select OEM partners, the Augumenta Interaction Platform for gesture-based navigation and control will be generally available to developers in the fourth quarter of 2014. The virtual surface design and control functionality module will be released in early 2015. More information and registration for the company newsletter is here: www.augumenta.com.

About Augumenta

Augumenta develops interaction solutions for wearable electronics. Combining hand gestures and augmented reality, the company's software enables new ways to control applications and devices. Headquartered in Oulu, Finland, with a support hub in Taipei, Taiwan, Augumenta licenses its products to global OEMs, integrators and developers.

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