



## **DSP Group and Emza Visual Sense Partner to Create Commercially Available Ultra-Low Power, Always-On Vision Sensor for Residential Security and Smart Buildings**

*Disruptive WiseEye visual sensor features always-on Computer Vision at a fraction of the power consumption and cost of existing solutions; Emza Visual Sense to demonstrate sensor at ISC West 2017*

**DSP Group®**, Inc. (NASDAQ:DSPG), a leading global provider of wireless chipset solutions for converged communications, and **Emza Visual Sense**, announced today the industry's first battery powered intelligent always-on visual sensor specifically designed to overcome the power and cost constraints of computer vision processing for residential security and smart buildings applications.

Emza Visual Sense will showcase the WiseEye IoT sensor at the upcoming largest security show in US, ISC West 2017, April 5-7, 2017 in Las Vegas.

The WiseEye IoT sensor solution is purpose-built from the ground up with always-on, low power visual sensing in mind. Partnering with Himax' unique low power CMOS Imager Sensor, Emza's unique machine vision algorithms and DSP Group's ultra-low power always-on processor, the result is a commercially available battery operated module, capable of detecting, tracking, classifying and understanding the context of its environment in an extremely efficient manner using only a few mill watts of power and allowing years of battery life with a standard battery.

This disruptive sensor allows low-cost IoT systems to offer advanced always-on intelligence which can, among other things, detect, track and identify objects, people and animals. This intelligence is applied locally on the device, passing only relevant information up to the network. This approach is fundamental to reducing the communication needs and significantly reducing power as well as false positive detection rate.

Target applications include outdoor and indoor security, occupancy detection and people counting in smart buildings, home appliances, virtual assistants, connected home sensors and smart city infrastructure.

"Computer Vision based sensors enhance the intelligence and functionality of any device, and our WiseEye IoT solution aims at bringing these capabilities to the vast and largely untapped IoT space," said Yoram Zylberberg, CEO of Emza Visual Sense. "In DSP Group we found a leading expert in low power and high volume always on processors, and the ideal partner to realize the industry's first commercially available always-on intelligent visual sensor."

"Low power intelligent vision processing is natural step in extending our low power SoCs towards Computer Vision and part of our strategy to fulfill the demand for low power always-on solutions, we're excited to work with Emza on a unique and revolutionary solution for always-on intelligent visual sensing," said Yosi Brosh, CVP SEA Sales & Marketing at DSP Group "A purpose-built solution such as the WiseEye IoT will help to truly realize the potential of computer vision in IoT by delivering the performance and battery life at a price point that supports mass deployment."

*The WiseEye IoT visual sensor solution will be showcased at Emza meeting suite at the upcoming ISC West 2017, April 5-7, 2017 in Las Vegas. To schedule a meeting, contact emza at [info@emza-vs.com](mailto:info@emza-vs.com)*

### **About DSP Group**

DSP Group®, Inc. (NASDAQ: DSPG) is a leading global provider of wireless chipset solutions for converged communications. Delivering semiconductor system solutions with software and hardware reference designs, DSP Group enables OEMs/ODMs, consumer electronics (CE) manufacturers and service providers to cost-effectively develop new revenue-generating products with fast time to market. At the forefront of semiconductor innovation and operational excellence for over two decades, DSP Group provides a broad portfolio of wireless chipsets



integrating DECT/CAT-iq, ULE, Wi-Fi, PSTN, HDClear™, video and VoIP technologies. DSP Group enables converged voice, audio, video and data connectivity across diverse mobile, consumer and enterprise products – from mobile devices, connected multimedia screens, and home automation & security to cordless phones, VoIP systems, and home gateways. Leveraging industry-leading experience and expertise, DSP Group partners with CE manufacturers and service providers to shape the future of converged communications at home, office and on the go. For more information, visit [www.dspg.com](http://www.dspg.com).

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#### **About Emza Visual Sense**

Emza Visual Sense is dedicated to the development of integrated, autonomous, miniature machine-vision devices for automatic scene interpretation of the visual world around us. Our technology includes proprietary algorithms, specially designed for extremely thin computing platforms. Our technology explores the limits of what can be achieved with minimal resolution, frame rate, processing power, power consumption - and cost. Visit us at [www.emza-vs.com](http://www.emza-vs.com)

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