Brodmann17 and Ambarella collaborate on next-generation computer vision ADAS solution for the mass market

TEL AVIV, ISRAEL AND DETROIT—March 30, 2020—Brodmann17 Ltd., a mobility software company providing vision-based AI solutions for the automotive industry, announced today a collaboration with Ambarella, an AI vision silicon company, to develop a range of smart and cost-effective computer vision-based advanced driver assistance system (ADAS) products for the mass market. Ambarella's family of CVflow® high-performance at low-power system on chip (SoC) solutions coupled with Brodmann17's patented neural network algorithm technology delivers unique deep-learning ADAS products with automotive-grade performance at ultra-low power. The product portfolio ranges from Blind Spot Detection (BSD) based on dual side-mirror cameras using Ambarella CV22 SoC, to long-range multifocal cameras for level-3 automation using the Ambarella CV2.

"While a vehicle is perceived as a large platform that can easily carry an ADAS computer, that is not the case. Resources such as the solution price, power consumption, heat dissipation and size are tightly managed in a modern vehicle that needs to meet challenging targets without compromising on automotive-grade standards", said Brodmann17 CEO and Co-founder Adi Pinhas. "We are happy to partner with Ambarella because of their shared vision for creating true edge ADAS solutions which integrate better in the vehicle, save space and cabling and allow for simpler assembly."

The collaboration of Ambarella and Brodmann17 technology enables the application of deep neural networks (DNN) on processors with low-power consumption, which creates many commercial opportunities.

"Ambarella's CVflow SoC family delivers outstanding AI processing efficiency," said Chris Day, vice president of marketing and business development at Ambarella. "This allows our customers and partners to increase the sophistication and accuracy of AI algorithms while keeping the power consumption within the budget of windshield-mounted ADAS cameras."

Ambarella offers a wide variety of safety-ready SoCs that are an excellent baseline for the Brodmann17's DNN vision-based solution.

About Ambarella

Ambarella's products are used in a wide variety of human and computer vision applications, including video security, advanced driver assistance systems (ADAS), electronic mirror, drive recorder, driver/cabin monitoring, autonomous driving, and robotic applications. Ambarella's low-power system-on-chips (SoCs) offer high-resolution video compression, advanced image processing, and powerful deep neural network processing to enable intelligent cameras to extract valuable data from high-resolution video streams. For more information, please **visit www.ambarella.com.**

About Brodmann17

Brodmann17 provides software-only perception technology for ADAS and automated driving. Brodmann17's patented software architecture delivers state-of-the-art accuracy while consuming only a fraction of compute power, bringing automated driving from the premium to the mass market. The solution is built from the ground up and designed against the industry's toughest standards for the world's largest OEMs and Tier-1 automotive suppliers.

For more information, visit www.brodmann17.com