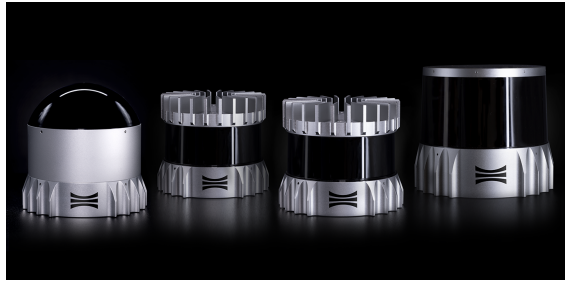




Ouster Launches New REV7 Sensors With Double the Range Powered by Breakthrough L3 Digital Lidar Chip

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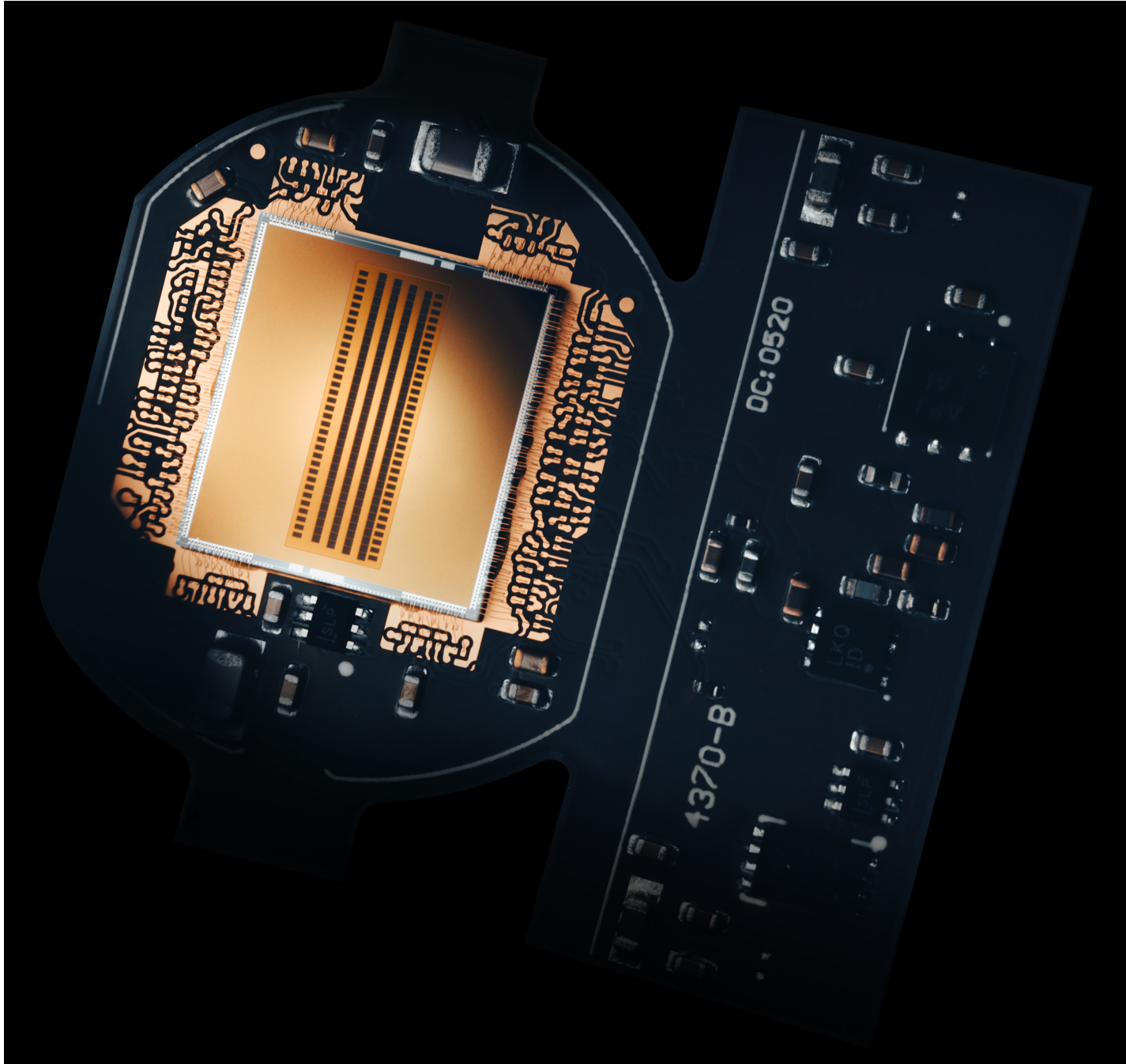


Ouster's REV7 lidar sensors come in different sizes, colors, and 3D digital lidar sensors. Photo: Business Wire

Next-generation L3 chip delivers performance gains in range, precision, and accuracy

Introduces Ouster's new sensor for industrial, construction, and security

Ouster's REV7 lidar sensors are powered by a new generation of high-resolution digital lidar sensors for the automotive, industrial, robotics, and smart infrastructure markets. Announced today is the second L3 sensor, featuring a new L3 digital lidar sensor that doubles the range, without extra electronics, increased precision and accuracy, and greater reliability. The promise of digital lidar is that you'll get more range and accuracy from a single sensor that follows the requirements of the path of the sensor. "Ouster's L3 digital lidar sensor offers improved range and accuracy, and is only possible with a digital architecture. REV7's new digital lidar sensor is performance and feature set, and provides us with a whole lot of new uses and use cases for our lidar sensors."



The Next-Generation Digital Lidar L3 Chip

REV7 is powered by Ouster's next-generation L3 chip, a fully custom and proprietary system-on-chip that brings back-side illumination technology, the same imaging technology that revolutionized the digital camera industry for the very first time. The L3 chip houses 120 million transistors and a maximum computational power of 21 GFLOPS, bringing even better digital signal processing and more features to customers than ever before. With the improved on-chip processing, the L3 is capable of counting approximately 10 billion photons per second and produces up to 5.2 million points per second.

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Ouster's REV7 sensors are more than ever before, cover larger ranges, and will provide precision for improved mapping, more accurate obstacle detection, and safe autonomous operations both indoors and outdoors. Upgrades to the REV7 sensors increase their maximum operating temperature, reduce their power draw, and double their resistance to shock and vibration while maintaining the same range, light weight, and power-efficient form factor design of previous generations. With approximately 90% automotive-grade components, Ouster's REV7 sensors are purpose built for production-scale fleets.

