

# OUSTER

Lidar is  
now  
digital.

With industry-leading resolution and 16-bit signal data, Ouster's digital lidar sensors enable machine learning algorithms to accurately detect and classify objects in the real world. Our sensors are used in mines for recognizing boulders, on automobiles for identifying vehicles, and on robots for detecting pedestrians and obstructions. Structured data from the sensor, enables up to 50% faster annotation—reducing annotation bills and accelerating algorithm development.





## High-resolution lidar sensors for long, mid, and short range applications

We transformed lidar from an analog device with thousands of components to an elegant digital device powered by one chip-scale laser array and one CMOS sensor. The result is a full range of high-resolution lidar sensors that deliver superior imaging at a dramatically lower price.

### ULTRA-WIDE VIEW LIDAR SENSOR

# OS0

55 m range  
32, 64 or 128 channels  
445 grams  
IP68, IP69K

### MID-RANGE LIDAR SENSOR

# OS1

120 m range  
32, 64 or 128 channels  
445 grams  
IP68, IP69K

### LONG-RANGE LIDAR SENSOR

# OS2

240 m range  
32, 64 or 128 channels  
930 grams  
IP68, IP69K

## Transforming industries with high-resolution lidar

128 channels of resolution for ultra-wide view, mid-range, and long-range sensors to cover an autonomous vehicle's full field of view in 360 degrees.

Increases drone fly time and improve data quality with high-precision, lightweight, and high-resolution lidar sensors.

Robust sensors with long-range and industry-leading resistance to shock, vibration, and ingress to survive the rigors of highway-speed truck autonomy.