

Waymo leads in self-driving race

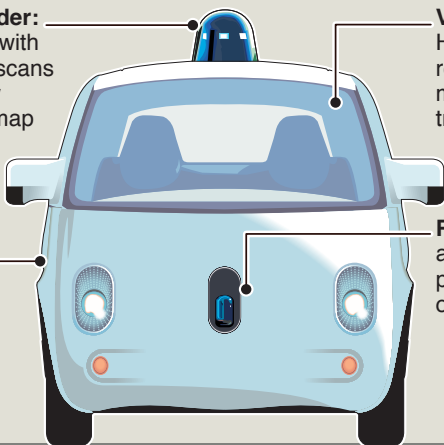
Tests of 103 self-driving cars from nine manufacturers, driven over one million km on Californian roads, found Google's Waymo scored best with just one human intervention every 8,250km driven

Laser range finder:

Rotating sensor with 64 laser beams scans 360-degree view to generate 3D map of surroundings up to 200m range

Global Positioning System software:

Helps car determine its location



Video cameras:

Help identify other road users, lane markers and traffic signals

Radars: At front and rear, detect proximity of obstacles



Disengagements per 1,000km (driver has to take control, Jan-Dec 2016)

Company	Cars tested	Km driven	Disengagements	Per 1,000km
Waymo	60	1,023,328	124	0.1
BMW	1	1,027	1	1.0
Ford	2	950	3	3.2
Nissan	5	6,597	29	4.4
GM Cruise	25	15,733	181	11.5
Delphi	2	5,029	178	35.4
Tesla	4	885	180	203.4
Mercedes	1	1,083	336	310.2
Bosch	3	1,582	1,442	911.5



Uber's self-driving fleet: 43 cars driven almost 25,750km in Arizona, California and Pennsylvania during week ending March 8, suffered 16,000 disengagements

Disengagements per 1,000km: 621.4

◀ **March 24:** Uber self-driving SUV flipped on its side during collision in Arizona