

A2 – Complex Hardware Identification

Which part of IPOMS is related to each component on each piece of hardware.

<p>Self Driving Car</p>	<p>A – Steering Wheel B – Brakes C – Screen D – Rearward Camera</p>
<p>Self Driving Car</p>	<p>E – Trunk CPU F – Monitor</p>
<p>HOW A SELF-DRIVING CAR WORKS</p> <p>Signals from GPS (global positioning system) satellites are combined with readings from tachometers, altimeters and gyroscopes to provide more accurate positioning than is possible with GPS alone</p> <p>Lidar (light detection and ranging) sensors bounce pulses of light off the surroundings. These are analysed to identify lane markings and the edges of roads</p> <p>Video cameras detect traffic lights, read road signs, keep track of the position of other vehicles and look out for pedestrians and obstacles on the road</p> <p>Radar sensor</p> <p>Ultrasonic sensors may be used to measure the position of objects very close to the vehicle, such as curbs and other vehicles when parking</p> <p>The information from all of the sensors is analysed by a central computer that manipulates the steering, accelerator and brakes. Its software must understand the rules of the road, both formal and informal</p> <p>Radar sensors monitor the position of other vehicles nearby. Such sensors are already used in adaptive cruise-control systems</p>	<p>G – Lidar Sensor H – Video camera I – Radio sensors J – Central CPU K – Ultrasonic sensors</p>



- A – Microphone
- B – Speaker
- C – Phone Dial



- A – Button
- B – CPU
- C – Coffee Drip
- D – Buttons on Phone



- A – Screen
- B – Buttons
- C – Heater
- D – Buttons on Machine
- E – Buttons on Phone