



seeingmachines

**GUARDIAN**

# DRIVERS GUIDE

GUARDIAN / GEN 1

# WELCOME TO SAFER DRIVING

---

You are receiving this guide because your business has elected to install Guardian into vehicles that you may be required to drive.

**GUARDIAN IS AN INTELLIGENT DRIVER SAFETY SOLUTION THAT PROVIDES EARLY WARNING AND INTERVENTION TO DRIVERS WHEN SIGNS OF FATIGUE AND DISTRACTION ARE DETECTED. GUARDIAN SIGNIFICANTLY REDUCES THE NUMBER OF FATIGUE AND DISTRACTION RELATED INCIDENTS, SO YOU CAN GET HOME SAFELY.**



**GUARDIAN**

## HOW DOES GUARDIAN PROTECT ME?

---

Guardian will help keep you safe during long periods of driving. Guardian will alert you if you close your eyes, which can help you determine when you need to take a break if you are fatigued. Guardian will also alert you if you move your head in a way that indicates you may not be looking at the road in front. The FFC (if installed) allows you to film the road in front, allowing you to record what has happened in the event of an incident.



# HOW IT WORKS



## 24/7 PROTECTION

Guardian uses proprietary face and eye tracking algorithms to measure your eye closure and head position to determine whether you're fatigued or distracted.



## REAL-TIME INTERVENTION

Guardian provides immediate intervention when fatigue or distraction starts to take hold. Audio alarms and seat vibration alerts are activated instantaneously to warn you to re-focus your attention on the road.

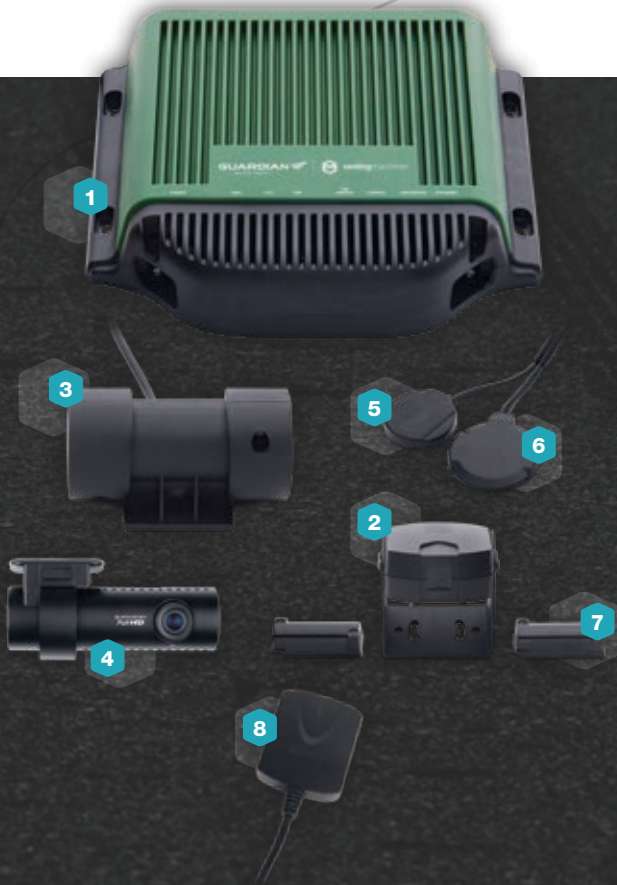


## 24/7 GUARDIAN CENTER

When Guardian detects an event, footage is immediately sent to the 24/7 Guardian Center to be reviewed by our team of analysts, who will notify the driver's manager within minutes.

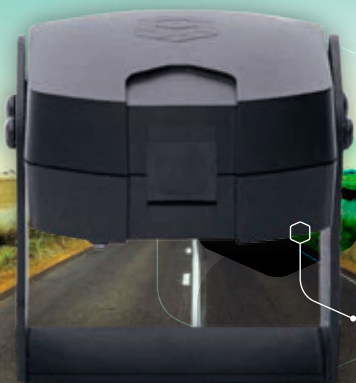
# THE COMPONENTS IN YOUR VEHICLE

- 1 PROCESSOR UNIT:** A fanless high powered computer.
- 2 IN-CAB SENSOR:** Tracks your eye closure and head position to provide protection against fatigue and distraction.
- 3 VIBRATION MOTOR:** Vibrates the seat to alert you during an event.
- 4 FORWARD-FACING CAMERA (FFC):** Captures footage of the road in front (optional component).
- 5 Wi-Fi ANTENNA:** Provides communication between the Guardian and Wi-Fi capable devices.
- 6 3G ANTENNA:** Allows Guardian to send data.
- 7 INFRARED (IR) ILLUMINATORS:** Allows the in-cab sensor to detect you at night and in other low light conditions.
- 8 GPS ANTENNA:** Tracks location, speed and orientation of the vehicle.



# MANUAL RECORDING

Manual recorded events allow you to capture a video or still image of the road in front by pressing the LED button on the in-cab sensor. The video or image is recorded using the forward-facing camera and is uploaded to an online portal as a manual recording event. This feature enables you, the driver, to record events that happen in front of your vehicle.



THE LED BUTTON  
IS SITUATED  
UNDER THE  
IN-CAB SENSOR



## Recording a video

To manually record a video of the road in front, quickly press and release the button below the in-cab sensor, Guardian will then capture video from the in-cab sensor and the forward-facing camera. Once recording the LED light will flash green and there will be an audible start and finish sound.

**Note:** When you press the button, footage 15 seconds before you pressed the button is captured followed by 30 seconds after you pressed the button.

## Capturing a still image

To take a still image of the road in front, press and hold the LED button under the in-cab sensor for approximately two seconds, until you hear a single beep tone.

## Diagnostic Test

To ensure Guardian is working, press and hold the LED button under the in-cab sensor for approximately four seconds until you hear three beeps.

**Note** this is a different sound to the single image recording sound. A green or flashing green light and a finished successfully sound means Guardian is working properly. An amber light and a warning sound means that Guardian has a fault but will still detect events. A red light and error sound indicates a serious error has been detected and events will not be detected. If Guardian is displaying an amber or red light during the diagnostic test, please inform your supervisor immediately.

# FAQS



---

## **What happens when Guardian detects an event?**

If eye or head movement exceeds set parameters, you will be alerted with an audible alarm and seat vibration (optional). Our 24/7 Guardian Center will review the information and your manager will be contacted if required.

## **What happens if the in-cab sensor is covered?**

If the in-cab sensor cannot track your face, you will not be protected by Guardian. Guardian will record this as an event which can be viewed by your manager.

### **Will the Infrared light hurt my eyes?**

No. Small amounts of infrared light are used to allow the in-cab sensor to track your eyes and face in the dark (less than 2% of what you'd receive from sunlight). The infrared illuminators have been independently tested and certified for continuous use in accordance with international safety standards. Optical safety analysis has also been conducted by Dr D.H. Sliney Ph.D Consulting Medical Physicist. This study is available on the Seeing Machines website on the client resources page.

### **Does Guardian work with safety glasses, sunglasses and spectacles?**

Yes, Guardian works with most sunglasses, safety glasses and spectacles.

### **Who can access my data?**

Information can only be accessed by your company's nominated management (via a secure web portal).

### **When can my manager have access to footage of my driving?**

Your manager is only provided footage of an event. This can only be accessed through the secure web portal. Guardian is not a CCTV.

### **What about my privacy?**

Seeing Machines respects your privacy. A Privacy Policy (which sets out the types of data Guardian may collect about drivers, and how we collect, use, disclose and protect this data to comply with relevant privacy laws) is available on our website [seeingmachines.com](http://seeingmachines.com)



seeingmachines

**GUARDIAN**

seeingmachines.com

## **SAFETY ON THE ROAD**

Once installed, Guardian requires no additional set up. Each time you start the vehicle, Guardian will power up and will be ready to protect you. If you believe Guardian isn't working as expected, please report this to your manager as soon as possible.

## **CLEANLINESS**

A basic check is required to ensure that the in-cab sensor and forward-facing camera are free from dirt, dust and greasy substances and that the cameras remain in position. A clean, lint-free cloth can be used to clean them. The system is not waterproof. Water from cleaning or from external sources such as leaving a window open may damage the system. Please contact your manager if there are any issues with the system such as a red light, damaged cables or if the in-cab sensor is not firmly affixed.