

# Samsara Safety Score Calculation

## Primary Risk Factors

### SPEEDING

- Light Speeding (0-5mph over limit): score weight = 0
- Moderate Speeding (6-10mph over limit): score weight = 1
- Heavy Speeding (11-15mph over limit): score weight = 4
- Severe Speeding (Over 15mph over limit): score weight = 6

### COLLISION RISK

Samsara's AI dash cameras can detect tailgating or unsafe following behavior at speeds **>45mph**. **Following Distance** is triggered if the camera detects a following distance of 1 second or less for a duration of 30 seconds.

- Following Distance
- Near Collision

### TRAFFIC SIGNS AND SIGNALS

- Ran Red Light
- Rolling Stop

### HARSH DRIVING

- Harsh Accel
- Harsh Brake
- Harsh Turn

### CRASH

- A crash is removed from your score if it is shown to be a \*non-actionable collision. \*Non-actionable meaning there was nothing a driver could have done to avoid the collision.

### DISTRACTED DRIVING

- Handheld device usage (reported or observed)
- Anything that takes a driver's focus from the road long enough to pose a threat and potentially lead to a collision

**Safety Score Calculation**

#### Understand Your Score

The Safety Score is a grade out of 100. This is broken down into seven Risk Factors, so you can clearly see what is driving your overall score. Risk Factors accumulate negative points which lower your Safety Score.

Your **Safety Score** Configuration Settings will impact the weight of each Risk Factor and how this number is calculated.

Max Score	100
Crash	0
Harsh Driving	-0.2
Distracted Driving	0
Collision Risk	-1.5
Traffic Signs & Signals	-0.1
Speeding	-25.6
Policy Violations	0

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**Safety Score** **73**

#### CALCULATION FORMULA

$$\text{Safety Score} = 100 - \left( \frac{\sum (\text{Weight} * \text{Events})}{\text{Miles Driven}} * 1000 \right) - \left( \frac{\sum (\text{Weight} * \text{Speeding Ms})}{\text{Driving Time Ms}} * 100 \right) - \left( \frac{\sum (\text{Weight} * \text{AI Events})}{\text{Hours Driven}} \right)$$