What do I need to make it work on my bike ?

Your bike must be equipped with a data acquisition system, which records sensors data while the bike is running on track (for example *2D, AIM, Magneti Marelli, Motec*, etc.).

This data acquisition software must allow you to export data as a **csv file**, which is the case of most if not all.

visDAQ will convert that csv file into a 3D rendering of the recorded data. The accuracy of this rendering is directly dependent on the accuracy of the sensors on the bike :

	Position	Lean angle	Suspension	Steering
Is it absolutely necessary that my bike has a sensor for it ?	YES. If we cannot locate the bike on track, the program is meaningless.	YES. If the bike model stays vertical all the time, the program is meaningless.	NO. You won't see the suspensions of the bike model move, but you will still be able to analyse lines and general riding style.	NO. You won't see the steering of the bike model move, but you will still be able to analyse lines and general riding style.
What do I get by having a sensor for it ?	The position of the bike on track.	The bike lean angle.	The front and rear suspension moving, and so the pitching of the bike. It makes the model move a lot more realistically.	Steering or counter-steering is interesting to understand riding style especially on corner entry. Does the rider slide the rear as he starts leaning into the corner ?
What sensor should I use ?	GPS. Its accuracy is important, even if its frequency is not that high.	Many GPS give a calculated value of the lean angle (bike + rider centre of gravity). A roll angle sensor or gyro will give a more accurate value of the bike lean angle.	The usual linear potentiometers used on forks and rear shock.	A linear potentiometer sensor may be used on the linear steering damper, or between one fork and the frame.
Tested by brand				
2D	12 Hz GPS	12 Hz GPS or gyro	any	any
AIM	Give us feedback	Give us feedback	Give us feedback	Give us feedback
MAGNETI MARELLI	Give us feedback	Give us feedback	Give us feedback	Give us feedback
MoTeC	Give us feedback	Give us feedback	Give us feedback	Give us feedback
Other	Give us feedback	Give us feedback	Give us feedback	Give us feedback