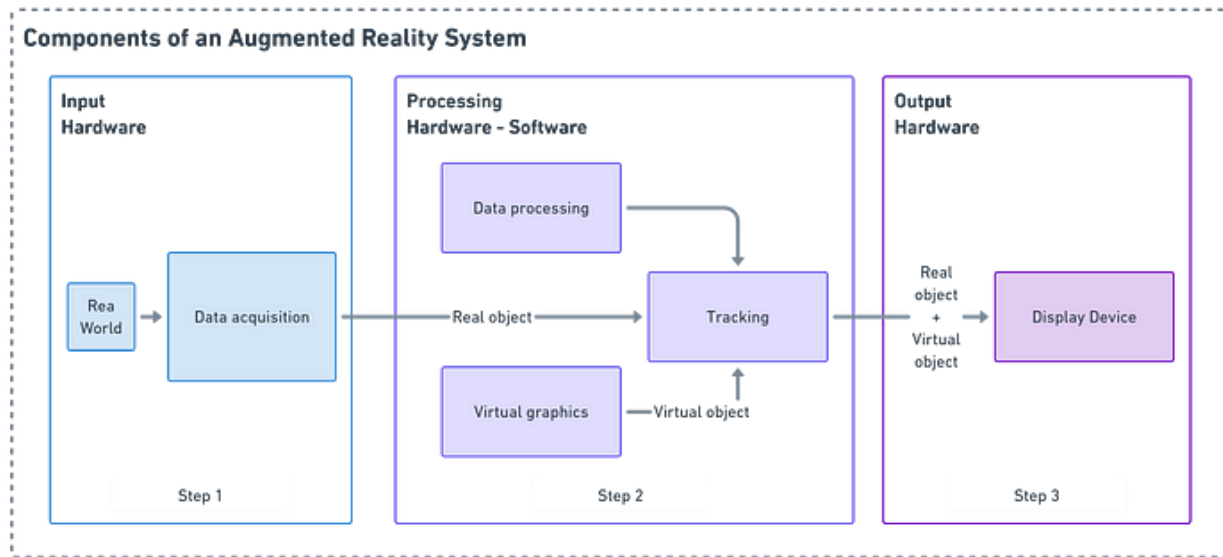


## Major Software Components for Augmented Reality Systems



### Hardware

The main characteristic of the hardware components is to **acquire** and **display** the data and information, and **process** it.

- **Input — Sensors:** Different types of sensors that respond to physical or chemical stimuli from the real environment and provide the necessary data for the development of the system.
- **Output — Display:** The devices for displaying the information can be divided into **wearable** and **non-wearable**. But it can also be classified into **optical**, **video**, and projection devices.

### Software

The main characteristic of software components is to interpret the acquired data to transform and augmented it.

- **High-level:** Currently, several tools help in the development of applications, known as SDK (Software Development Kit), such as [Vuforia](#), [ARKit](#), [ARCore](#), [Wikitude](#), [ARtoolKit](#), [EasyAR](#), [LayAR](#).
- **Low-level** consists of different areas, which may vary according to the application or the developer's needs, such as programming libraries, Computer vision, CG, Image processing, HCI.

