

Motion Capture

In Central London(High Holborn), Nerve Lab, we have **Vicon** optical motion capture, including the Passive and Active systems, and here is some helpful information before you use the system.

- What is Optical Motion Capture System?

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The main key for the optical motion capture system is utilising multiple cameras to track reflective markers or LED markers on the subject's body.

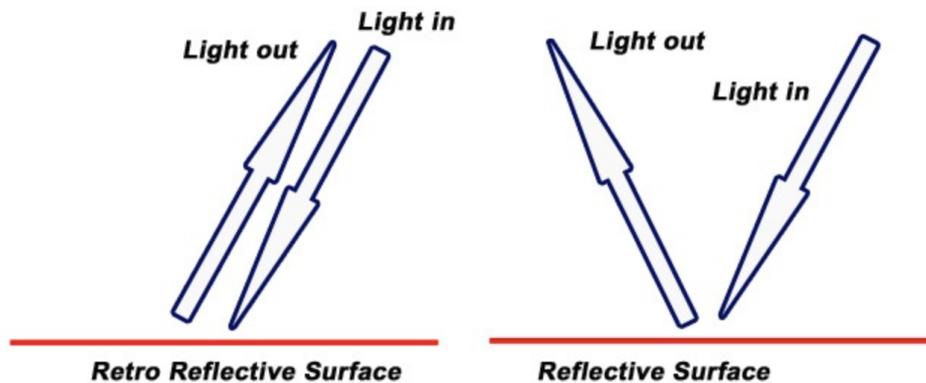
Optical-Passive System

Passive optical motion capture is the most accurate, flexible and common type of motion capture, including a **mocap suit** & **passive markers**. It is also the mocap that most people have in mind.



Passive Markers

This technique uses **retroreflective** markers that are tracked by infrared cameras. You can adjust the camera threshold, which passive markers will be sampled, and exclude skin and fabric.



Retroreflective vs Reflective

Optical-Active System

This technique uses **light-emitting LED markers** tracked by specialized cameras. Because of this, they need a battery or charger of some kind.



Active Markers