

# SOFTWARE

## Motion Tracking



Cesium is the perfect tool for virtual set shooting and visual effects, it allows to link software and hardware when it comes to track camera movements for mixing virtual and real elements.

Cesium reads raw camera data, from all standard motion tracking hardware devices, and transforms into a full set of parameters that can be read by any application software. More than a simple line driver, Cesium offers an easy and accurate method for camera positioning in the studio.



### Virtual set application:

In a virtual set application, Cesium is the bridge between the motion tracking hardware and the virtual set engine. It reads raw camera data and feeds in the real time engine, to have a perfect match of camera's movements.

### Post - production application:

The post - production house will receive a virtual camera file time coded to the live camera and background, allowing retrieving movements and feed in as animation in any kind of modelling software (Maya, 3D Studiomax, Softimage....). This allows a perfect match for virtual insertion, while reducing time and cost.



## Cesium key features :

- High resolution camera tracking and recording of all axis of movement up to 12 cameras
- Lens calibration files for all types
- Patented initialisation procedure

## Benefits :

- Record/Replay camera position
- Export camera data to Maya, 3D Studio Max, Softimage, ASCII
- SDK provided
- Interface to all rendering software
- Can read data from all kind of motion tracking devices



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