

MaxTRAQ S3D

Single Camera 3D Video Based Motion Tracking

MaxTRAQ S3D software module works in conjunction with MaxTRAQ 2D to transform 2D data captured from a single camera to 3D data. The single camera 3D transformation uses rigid bodies with four markers with known dimensions. You can use up to 10 rigid bodies per test. One of the rigid bodies can be used as a reference so the data can be transformed into a known coordinate system.

You can use any standard off the shelf camera or a high speed camera. The transformed 3D data can be quickly previewed to verify quality of.

Once you have transformed the 3D data, the following graphs can be previewed.

X vs. Y	X vs. Time
Y vs. Z	Y vs. Time
X vs. Z	Z vs. Time

