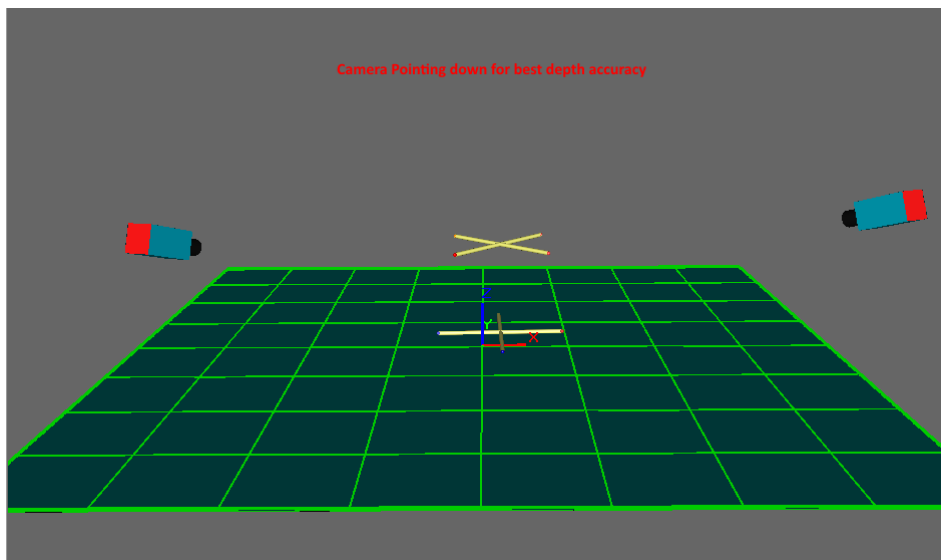
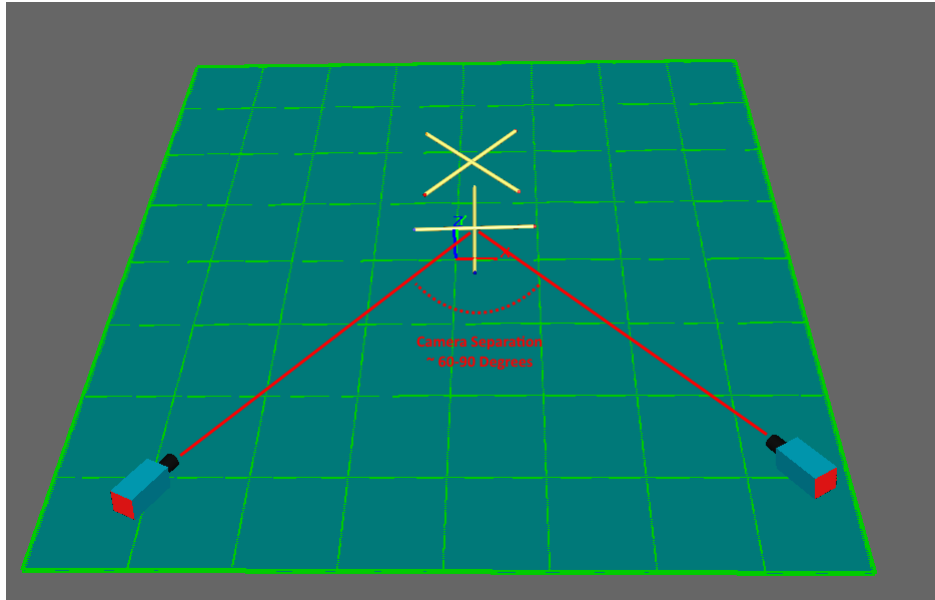


In a 2 camera system, cameras should be placed with a separation of approximately 60-90 degrees and looking slightly down for maximum accuracy in depth. If the captured motion has very little rotational motion, then the separation can be closer to 90 degrees. For human motions, it is recommended to go closer to 60 degrees to minimize marker occlusions.



The distance to the subject should be enough to cover the desired capture volume. The further away the cameras are located the harder it will be to capture small motions. You can compare this to watching a ball game, if you have front row seating, you will be able to see every detail of the game and the players. However, if you're seated in the rafters, you may not even be able to see the ball.

The height of the cameras should also be relative to the subject and the motions that needs to be captured. As stated above, the cameras should be mounted so that they look slightly down towards the capture volume. However, placing the cameras in the ceiling when you're looking at foot motions is like being seated in the rafters at the ball game. Not very optimal.

Here are some examples of how to best position the cameras for human motion capture.

