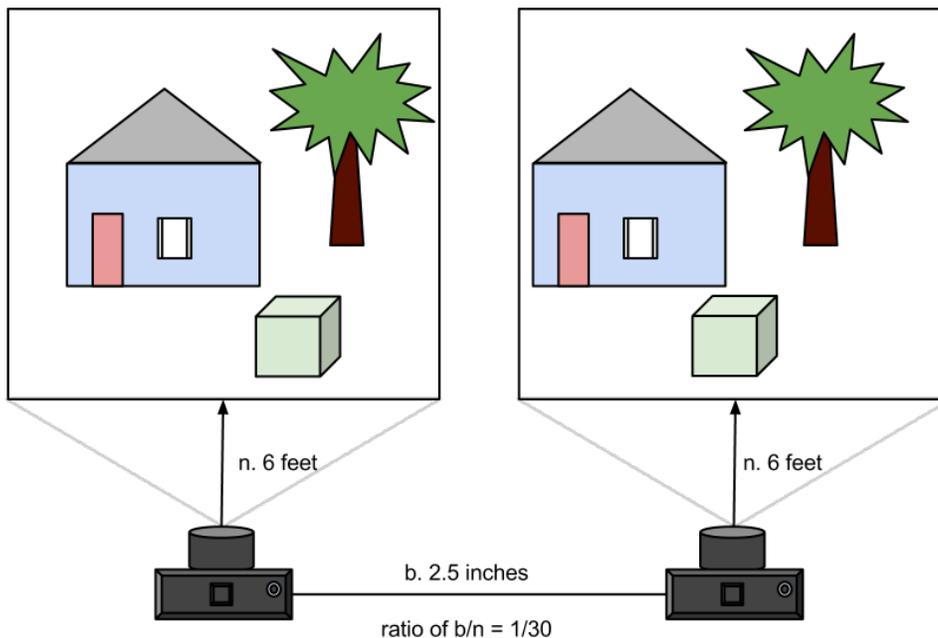


3D Stereoscopic Photography Basics

1. Positioning and Taking Stereo Pairs

- 1/30th ratio: distance between left and right image pair should be 1/30 distance to closest object in frame, or 2° of rotation
- Relationship between human vision and stereo pairs; left eye sees a slightly different view than right eye; brain fuses image and position of eyes for depth
- Cha-Cha method: take Left photo, shift body to right, take Right photo.
- Two eye method: look through viewfinder with left eye and take photo, move camera to right eye and take photo.
- Two camera method: mount two identical cameras horizontally, take two photos
- Keep the camera in the same vertical plane and at the same horizontal height
- Objects between 30 and 1000 times baseline b will show depth effect (i.e. 6'-200')
- Increase baseline to compress distance and increase depth with distant objects



2. Composition

- Maximum depth of field required; sharp focus from front to back
- Choose objects at different distances for maximum effect
- Leave left margin in Left image for pair cropping
- Any objects that will break the stereo window must remain within the frame
- Eliminate movement of subject between taking the photo pair
- Use low ISO to minimize noise

