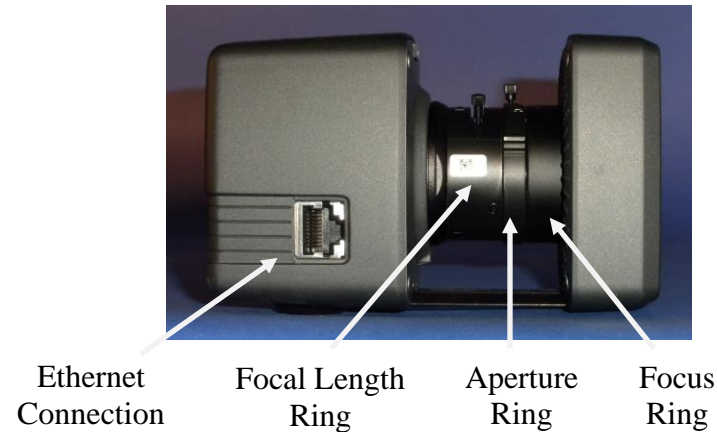


## Vicon Bonita and Vero Camera Components



### Tips for aiming and focusing the cameras:

- 1) Place reflective markers in the corners of your data capture volume to aide in aiming the cameras.
- 2) For most data capture volumes, the aperture can be set almost completely open. Turn the Aperture ring towards the “O” (open) and away from the “C” (closed).
- 3) The focal length can be adjusted next. For the focal length, you want to maximize the field of view for each camera, while simultaneously optimizing the resolution or number of pixels seen for a given marker. Adjusting the focal length towards “W” (Wide angle) will provide a larger field of view, but lower resolution. Adjusting the focal length towards “T” (telephoto) will provide a smaller field of view, but greater resolution.
- 4) As the focal length is adjusted, the markers will go out of focus, so the focus ring will need to be adjusted to bring the markers back into view.
- 5) Make minor adjustments to the aperture and focus in order to get a well defined 2D marker with a fairly circular shape and center that is just off-white.

When adjusting the camera rings, it is advantageous to view “All” for the Grayscale mode in the Nexus software (See The MotionMonitor Interface to Vicon Cameras guide).

While adjusting each ring, slightly loosen the lock screw while being careful not to completely unscrew it. Tighten each screw when adjustments are completed. Likewise, when tightening, be careful not to overtighten as this might cause damage to the ring.