This instruction will instruct you on how to properly adjust and change the camera lens on your SurgiCam. Before proceeding with these instructions, make sure that your system is operational and is correctly set up to work with your computer. If not and guidance is needed, refer to your manual for any assisted help that you may need.

**Lens Iris Adjustment** *(refer to pg. 10 in your manual)*

**Overview:**

Rotate the front ring on the lens to adjust the iris. This adjustment will change the amount of light to the image sensor. Clockwise will allow more light and counter clockwise will reduce the amount of light, allowing for greater depth in field. *(Figure 1)*

**Lens Replacement** *(refer to pg. 12 in your manual)*

**Overview:**

1. Make sure that the set screw on the side of the camera housing is tightened securely with a (.030") hex key. This tool is provided in your accessory kit. *(Figure 2)*

2. Unscrew the lens (counter clockwise) from the camera housing. The front casing should remain in place. *(Figure 3)*

3. Attach the new lens. *(Figure 3)* *(Note: Make sure the camera housing and lens are clean before assembling)*

4. Adjust the working distance on your camera *(refer to the instructions below)*.

**Adjusting the Working Distance**

1. Hold the camera by aiming it at a target set to your desired working distance. *(Figure 4)*

2. Position the camera lens to the open iris position (note that the open iris position depth of focus will be 2 inches). *(Figure 1)*

3. Adjust the camera (vertical direction and rotationally) so that the target is in the center of your monitor screen. *(Figure 5)*

4. Loosen the set screw on the side of the camera housing using the provided (.030") hex key. *(Figure 2)*

5. Rotate the front casing (lens mounting base) of the camera to achieve the best image (not just the lens). Rotating the housing to the right (clockwise) makes the distance longer, rotate to the left (counter clockwise) makes the distance shorter. *(Figure 3)*

6. When the best focus is found, lock the front casing in position by tightening the set screw with your (.030") hex key. *(Figure 2)*

7. Adjust the camera to the closed iris position. This allows for the greatest depth of field. *(Figure 1)*