

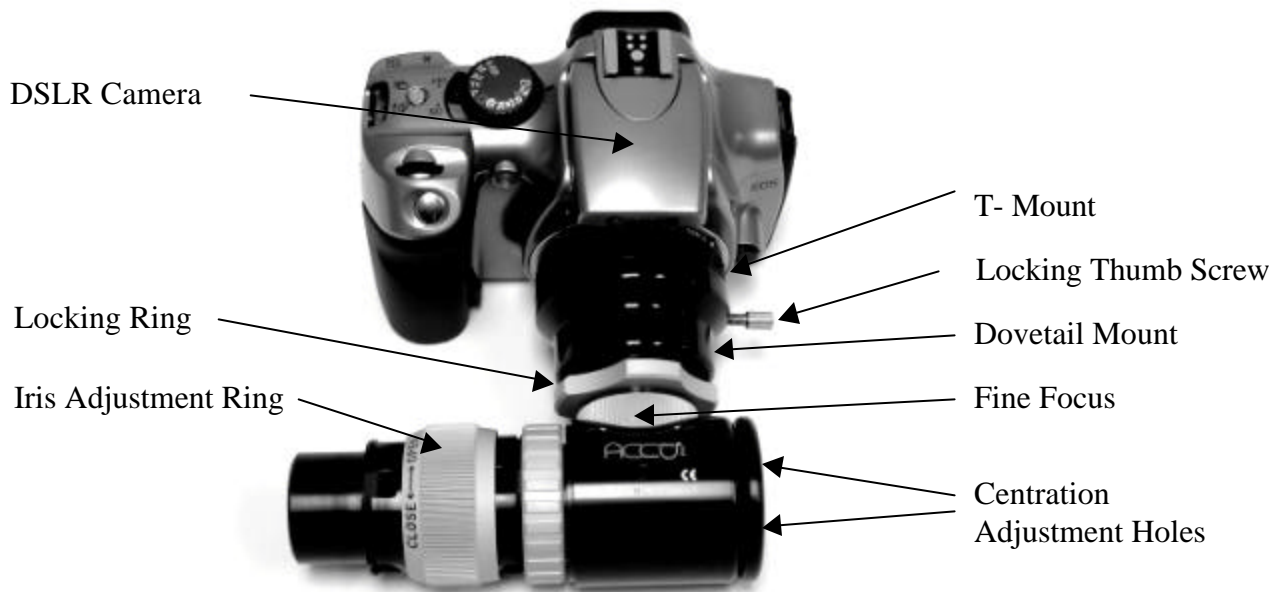
## Digital SLR Camera Adaptor USER INSTRUCTIONS

### Intended Use:

The Digital SLR Camera Adaptor is designed to attach Digital SLR cameras to Surgical Microscope and Slit Lamps. Optics have been designed to deliver a 1x magnification to the DSLR sensor with correct image orientation.

### Mounting the Adaptor:

- 1) Mount the ACCU-Beam® Digital SLR Camera Adaptor to the Microscope/ Slit lamp Beamsplitter port. **Note:** Non-Zeiss type Beamsplitters require a additional Beamsplitter Adaptor. Refer to Digital Adaptor Price List for identification.
- 2) Secure Adaptor with locking ring on Beamsplitter or Beamsplitter Adaptor.
- 3) Dovetail Mount is secured to the Adjustable Focus Assembly by the Locking Ring.



### Mounting the Digital Camera:

- 1) Remove DSLR lens from camera body, and attach the supplied Camera T- Mount.
- 2) Insert dovetail of Camera T- Mount into the female Dovetail Mount of the Adaptor. Rotate Camera & T- Mount to desired position, and lock with thumb screw.

### Parfocalizing the Microscope/ Slit Lamp and Camera;

#### Focusing the Digital Camera:

- 1) Camera power "On". Camera auto flash "Off".
- 2) Set Microscope/ Slit Lamp Eyepieces at 0 diopters, or to your visual correction if spectacles are not worn.

- 3) Look through the Microscope/ Slit lamp and focus on a stationary target at high magnification.
- 4) Open Iris Control and view image through the camera view finder. If the image is not in focus adjust Fine Focus Ring on Adaptor until the view finder image is sharp and clear. **Note:** DSLR Adaptor is shipped with the Fine Focus Ring set to the midpoint of its travel.

### **Check Focus:**

Adjust Microscope/ Slit lamp to low magnification and check focus of the Camera and Scope. If not in focus, repeat the parfocalizing procedure.

### **Adjusting the Iris:**

The Iris Ring is engraved in 1mm, 4mm, 7mm, 10mm, 13mm, and 16mm steps. Each step corresponds to the opening of the Iris and is used for exposure control.

### **Centering Image:**

If the Image through the view finder needs to be centered, adjustments may be made through the adjustment holes located on the back plate of the adaptor main body with a 5/64" Allen Key Wrench. The image may be moved horizontally and/ or vertically until the image is centered.

### **Connecting Footswitch P/N FS101:**

Locate Footswitch Input Port by bending back rubber flap on camera side. (Fig. A)  
Insert Mini Plug of Footswitch into input port. (Fig. B)



Figure A



Figure B

### **Recommendations:**

- 1) Use AC Adaptor to power camera.
- 2) Use Foot Switch P/N FS101 or camera self-timer function to avoid movement when taking a picture.

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