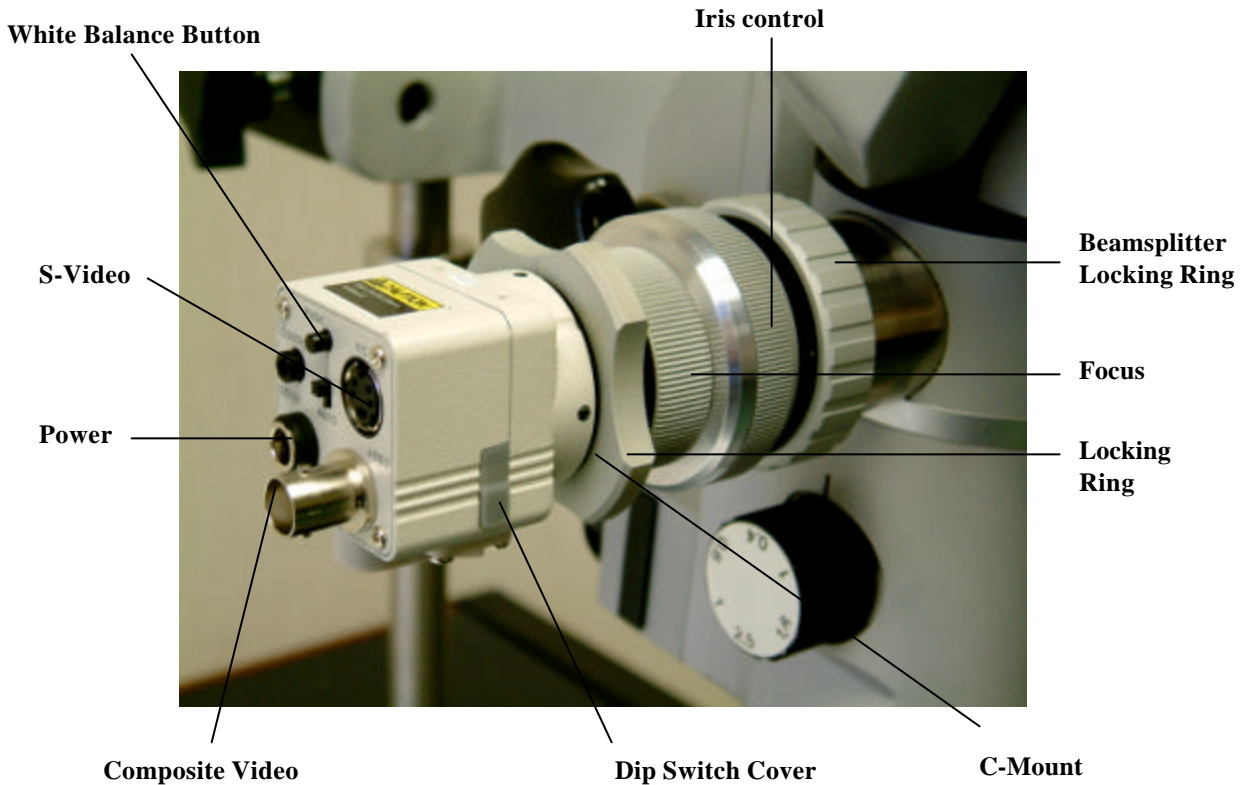


# ACCU-Beam® Direct Video System

8100 N63 (NTSC)    8100 P63 (PAL)

## User Instructions



The ACCU-Beam® Direct Video System is intended to be used with Operating Microscopes, Colposcopes and Slit Lamps.

### Mounting the Adaptor:

1. The ACCU-Beam® Direct Video System is designed to mount directly into the ACCU-Beam® beamsplitter and/or Zeiss® style beamsplitters. For other brands of microscopes, a beamsplitter adaptor may be required.
2. Secure with beamsplitter locking ring.

### Mounting the Camera:

1. Screw the c-mount ring into the camera and secure by using the Dust Cap / Spanner wrench. Then mount the camera to the focus assembly and secure by turning the locking ring counter-clockwise. Attach cable to power, s-video and composite connectors on the camera. Attach the other end of the cable to the DC12V power supply and video monitor. Turn on power.

2. Set camera to the desired position relative to the microscope adaptor and secure by turning the camera clockwise and locking ring counter-clockwise at the same time.

### **Camera Settings:**

1. Lift dip switch cover - Set switches #1 ON; #2 OFF; #3 ON; #4 OFF

2. Set white balance switch to WB.

3. Turn microscope illumination ON. With a white target in front of the objective lens, push the WB button to white balance the camera.

### **Focusing the Camera:**

1. Set microscope eyepieces at 0 diopters or to your visual correction if spectacles are not worn.

2. Look through the microscope at a fixed target at high magnification. Focus microscope on the target.

3. Open iris control and turn fine focus control until video image is in sharp focus.

4. Check microscope focus at high and low magnification.

5. Check video focus at high and low magnification. Repeat steps 1 through 4 if video image is not parfocal with the microscope.

### **Adjusting the Iris:**

1. Turn iris control open or closed until the desired video image brightness and depth of field is achieved.

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