

Universal Microsurgical Video Adaptor - 8102S

User Instructions

The ACCU-Beam® Universal Video Adaptor is capable of image magnification changes with either single chip or 3 chip video cameras. A choice of internal lenses with focal lengths ranging from f50 to f137 (1x - 2.5x) are available along with mounts that fit a wide range of video cameras.



U.S Patent No. 5,264,928

Mounting the Adaptor:

1. The ACCU-Beam® Video Adaptor is designed to mount directly into the ACCU-Beam® beamsplitter and/or the Carl Zeiss® beamsplitter. If another brand of microscope is used, a beamsplitter adaptor may be required.
2. Secure video adaptor with locking ring on beamsplitter.

Mounting the Camera:

1. For Thread Mount Cameras: Screw camera mount into the video camera and secure by using the Dust Cap/Spanner Wrench. Then mount camera (with mount) on top of the focusing assembly and secure by turning locking ring counter-clockwise.

For Bayonet Mount Cameras: Mount the appropriate Bayonet Mount on top of focusing assembly and secure by turning locking ring counter-clockwise. Then mount camera onto the Bayonet Mount and secure by turning the camera's locking ring clockwise

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

Repositioning Camera:

1. For Thread Mount Cameras: Turn camera counter-clockwise and locking ring clockwise to loosen. Reposition camera and secure by reversing previous step.

For Bayonet Mount Cameras: Release camera locking ring and remove camera from Bayonet Mount. Turn Bayonet Mount counter-clockwise and locking ring clockwise to loosen. Rotate Bayonet Mount to the desired position and secure by reversing previous step. Mount camera onto Bayonet Mount and secure with camera's locking ring.

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 on high magnification. Focus microscope on target.
3. Open iris control and turn fine focus control until video image is in sharp focus. Check microscope focus.

Centering Image:

- 1) If the image shown on the monitor needs to be centered, adjustments may be made through the adjustment holes using a 5/64" Allen Key Wrench. The image may be moved horizontally and/or vertically until the image is centered.

Adjusting the Iris:

1. Turn iris control open or closed until the desired video image brightness and depth of field is achieved. For 3-Chip Cameras with a black balance function, close the iris prior to black balancing.

For further information contact TTI Medical.

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ISO-9001:1994
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