Quick Setup Guide for MEC-5-ASL-D3200 Iris Camera

Contents of the Camera Carry Case – MEC-5-ASL-D3200-N85

Contents

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2. Illuminator
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   - 6c. Camera A/V cord
   - 6d. SDHC memory card (16GB)
   - 6e. USB Card Reader w/cord
   - 6f. Lens rear cap/body cap
   - 6g. Spare batteries (focus light)
   - 6h. #0 screwdriver (for battery case)
   - 6i. Viewfinder cover

Preparing the Iris Camera for Use – MEC-5-ASL-D3200-N85

1. Open Camera Carry Case by pressing the button and lifting up each latch.

2. Remove the camera from the foam padding and set down.

3. Lift Illuminator out of foam-padded case

4. Remove lens cap and **turn the camera on**.

5. Be sure Mode dial is set to **A**=Aperture priority

6. Pop up the built-in flash by pressing button on left side

7. Place illuminator onto lens at the 9:00 position with Lens at minimum focus, Mode set top A, Power ON, Flash UP:

8. Rotate Illuminator 90 degrees until it snaps into place at 12:00 position:

9. Rotate focus light power control clockwise to switch it on:

10. **Your camera is now ready to take iris pictures.** When complete with the photography, reverse these steps to put the camera away.

Using the Dual-Channel Illuminator Shutter

1. The Side-Lighting illuminator has a shutter that controls which side the flash illumination goes to. For photographing the **RIGHT iris**, use the **Left Channel Open** position (push slider to the **LEFT**); for photographing the **LEFT iris**, use the **Right Channel Open** position (push slider to the **RIGHT**):
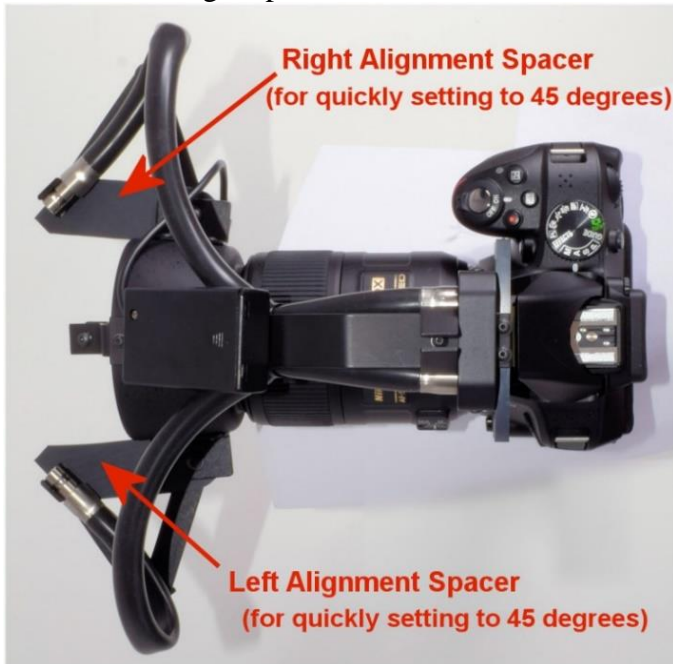

2. For "flat" or uniform illumination, use the **Both Channels Open** position. This is setting is when the shutter is in the center position:

   When storing the illuminator in the carry case, always return the shutter to this center position.

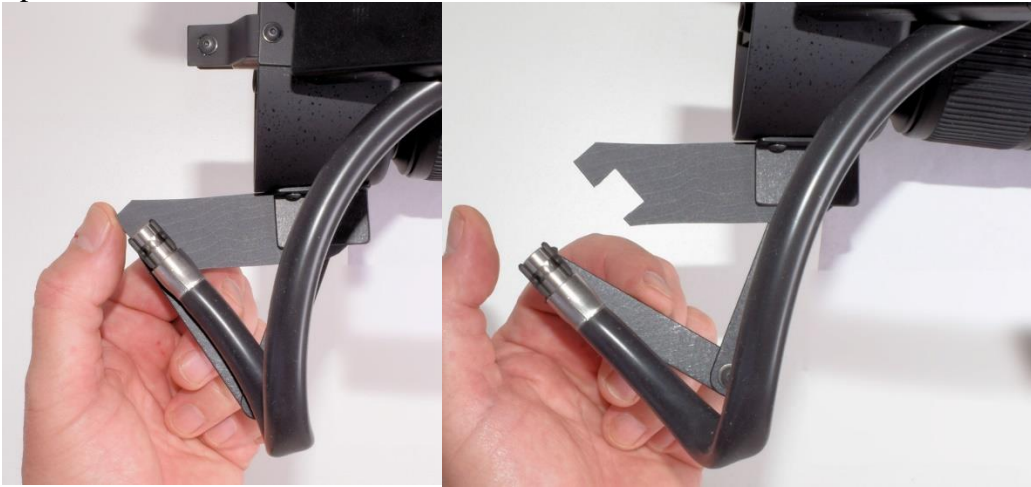## Setting the Angle of Illumination

1. The Adjustable Side-Lights include an Alignment spacer to make it easy to set the angle to the reference 45-degree position:
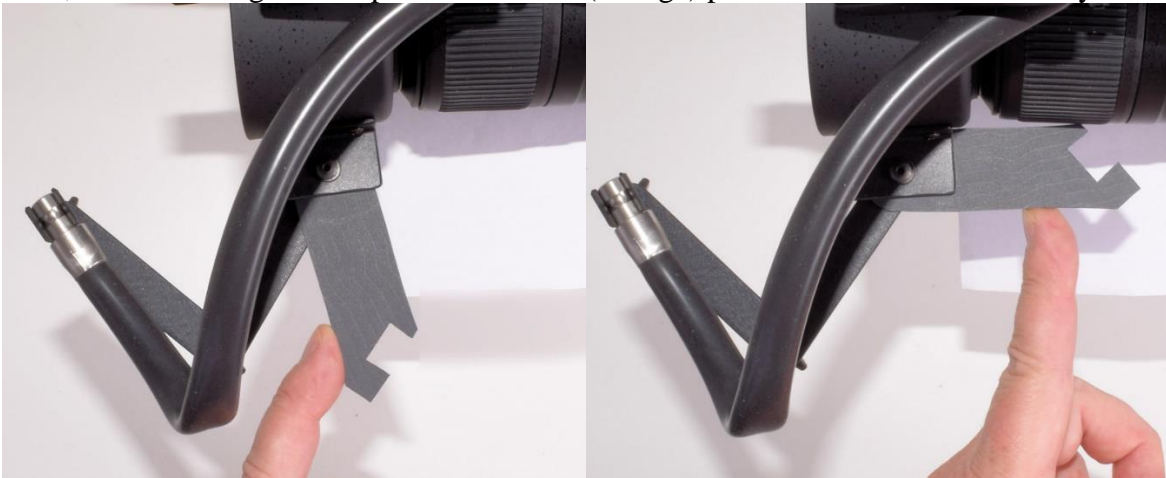

2. To change the angle to another setting, the first step is to loosen the 3 wingnuts on each side that is to be changed:

3. After loosening the 3 wingnuts, pull the output end of the lightguide away from the Alignment Spacer:

4. Next, rotate the Alignment Spacer to the rear (storage) position so it is out of the way:

5. Then Position the Lightguide output end where you want it to be:

3. You can choose any angle and distance from the iris. When it is in the correct position, tighten all three wingnuts on this side.

Using the Alignment Target with Protractor

1. For best results, use the Alignment Target with Protractor (enclosed in the carry case):

2. The Alignment Target is stored under the front of the illuminator, and can be lifted straight up to remove it from the foam holding it. When storing it back into the carry case, be sure to insert it prior to placing the illuminator into its compartment. The outer sides of the protractor fit into slots that are cut into the foam to hold it securely.

3. The Alignment target attaches to the bottom of the lens-hood via a magnetic mount. To attach it, bring it near the lens hood at the 6:00 position and allow it to snap into place:
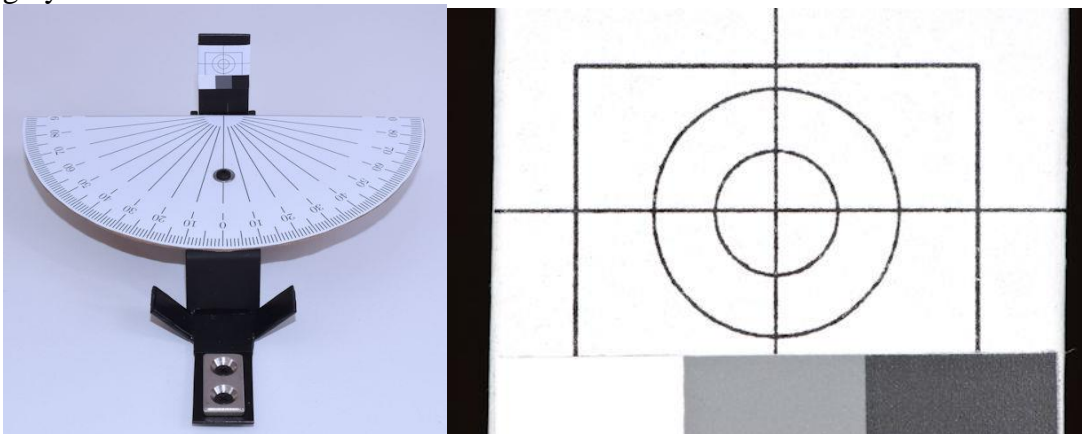
4. When it is attached correctly, the Alignment Target will be centered and vertical.

5. The recommended distance for the output ends of the lightguide is 3.25 inches (83mm) from the iris:

6. Be sure to set the angle of the front end so the lightguide is pointing straight at the focus point (center of the protractor).
7. The Alignment Target includes a color correction tab. This is a small strip that has black white and grey:

The Color Correction tab is useful when doing image enhancement. You can set up an automatic calibration of the white balance and exposure for all iris photos based on this test target image. The exact procedure will depend on which image editing program you use. Some examples are Corel Paint Shop Pro, Adobe Photoshop, and Adobe Elements.

Contact Miles Research for additional information or technical support

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Your Registration Information:

Owner: _____
Camera System Serial Number: _____
Camera Body Serial Number: _____
Lens Serial Number (85mm): _____
Lens Serial Number (18-55mm): _____
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