

NIR PASS FILTER INSTALLATION

MED ASSOCIATES MONOCHROME CAMERA



DOC-153

Rev. 1.0

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COMPONENTS

Necessary components will include:

- MED Associates Monochrome Camera
- NIR Pass Filter
- Filter Retainer
- Wavelength Compensation Spacer
- C to CS Mount Lens Adapter
- Camera Lens
- #1 Phillip's Head screwdriver

PROCEDURE

1. First remove the cap from the camera lens mount if applicable. Then remove the two screws that hold the existing retainer in place, as seen in Figure 1, and set them aside.

Figure 1 – Remove Retainer Screws



2. Remove the existing retainer, being careful not to touch the glass beneath it. See Figure 2.

Figure 2 – Remove Existing Retainer



3. Verify that the NIR Pass filter is installed in the MED Associates filter retainer. Be careful not to touch the NIR Pass filter. Remove any fingerprints using a lens cleaning tissue. Install the filter assembly where the existing retainer had previously been fastened, reusing the existing screws. See Figure 3.

Figure 3 – Install NIR Pass Filter Assembly



4. Install the Wavelength Compensation Spacer on the C to CS Mount Lens Adapter as shown in Figure 4.

Figure 4 – Install Wavelength Compensation Spacer



5. Thread the adapter onto the camera as seen in Figure 5.

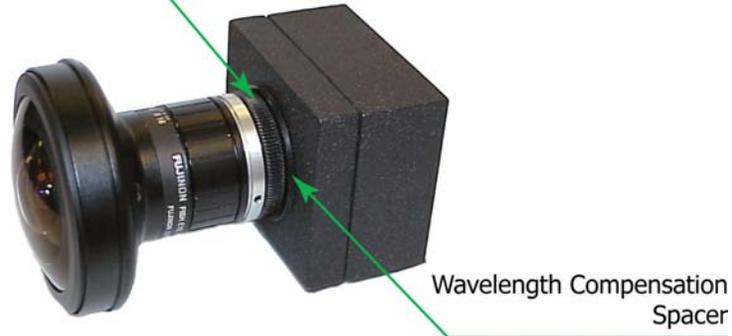
Figure 5 – Thread Adapter onto Camera



6. Thread the Lens into the adapter as shown in Figure 6, and the camera will be ready for use.

Figure 6 – Thread Lens onto Adapter

C to CS Mount Lens Adapter



Wavelength Compensation
Spacer