

Changing optical filter

The description can be used for following products:

- mvBlueCOGAR-P series
- mvBlueFOX series
- mvBlueLYNX series
- mvBlueLYNX-M series

You will need following utilities to change the filter:

- pointed forceps
to remove the rubber locking ring
- screw driver or similar
to remove the filter frame
- allen wrench, 0.9mm
- lens
- PC with installed driver



Please work under the clean air while changing the filter. Otherwise, dirt on the image area could be the consequence.

Step 1: Demounting of mount ring nut

For demounting of the mount ring nut, please

1. unfix the 3 set screws on the front plate with the aid of the 0.9mm allen wrench ((**1**) in figure 1). Afterwards
2. turn the mount ring nut anti-clockwise from the front plate ((**2**) in figure 1).

Step 2: Demounting of filter frame

For demounting of the filter frame

1. turn the filter frame anti-clockwise from the front plate ((**3**) in figure 1) using a screw driver or a similar tool. Set the screw driver at the groove of the filter frame.

Step 3: Changing the filter

A rubber locking ring fixes the filter in the filter frame.

1. Remove the rubber locking ring using a pointed forceps ((**4**) in figure 1). Afterwards,
2. change the filter ((**5**) in figure 1). Finally,
3. fix the rubber locking ring again.

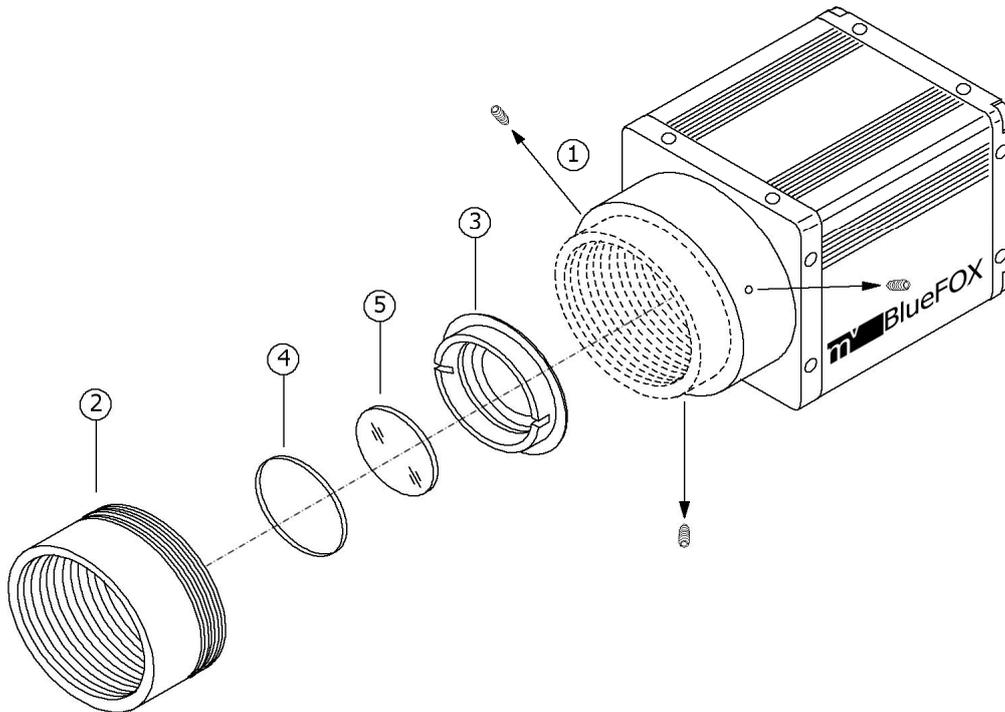


Figure 1 Filter mounting

Step 4: Mounting filter frame

1. Turn the filter frame clockwise into the front plate using a screw driver or a similar tool.

Step 5: Mounting mount-ring nut

1. Turn the mount ring nut clockwise into the front plate and
2. screw the set screws using the allen wrench but without fixing them.

Step 6: Adjusting sharpness and fixing

In the last step, you have to adjust the right distance of the mount ring nut (thus the sharpness). Please follow these steps:

1. Mount a lens and
2. connect the camera to the PC with the installed driver.
3. Start the GUI tool "*wxPropView*" and
4. display a live image.
5. Now turn the ring nut with the mounted lens in or out until you get a sharp image.
6. Afterwards, fix the three set screws with the allen wrench.