[ASI6200MM Pro | ASI6200MC Pro]

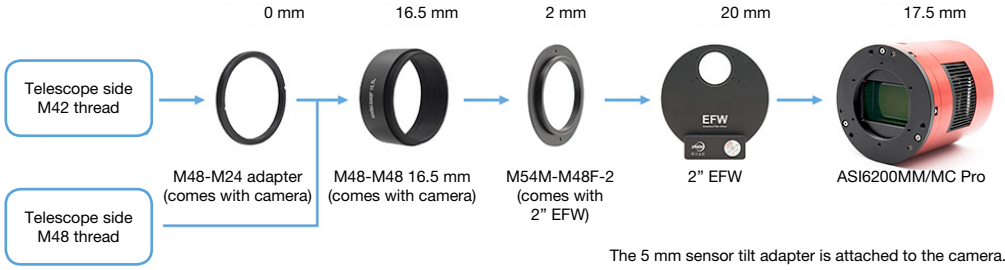
Full Frame Cooled Camera

5 connection solutions to get
55 mm back focus length

1. Using adapters only

The 5 mm sensor tilt adapter is attached to the camera.

2. Using the 2” EFW

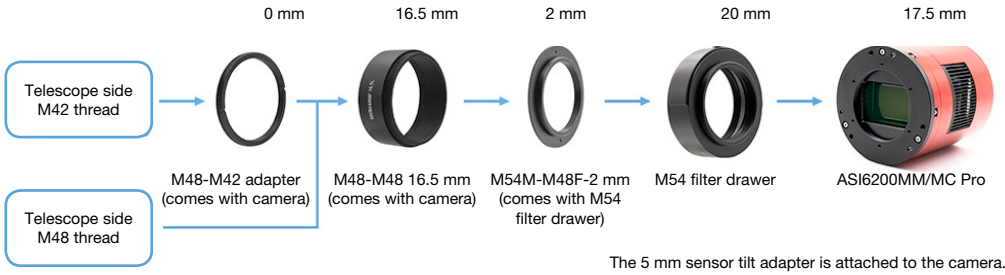


The 5 mm sensor tilt adapter is attached to the camera.

This solution needs the M48-M48 16.5 mm extender and the M54-M48-2 adapter (both come with the 2” EFW). You can also buy the M54-M48-2 adapter separately.

You need to disassemble the back cover of the 2” EFW and then mount the EFW to the camera with the screws included in the scope of delivery.

3. Using the M54 filter drawer

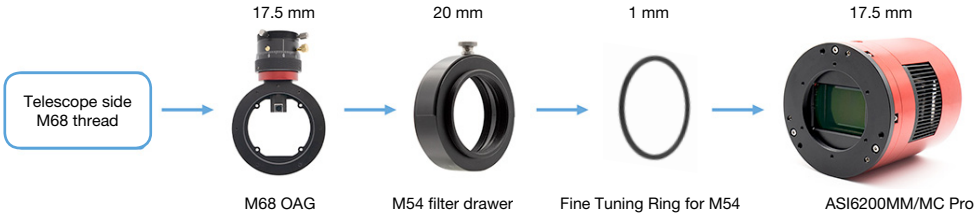


The 5 mm sensor tilt adapter is attached to the camera.

It is much easier to connect to the M54 filter drawer than to the 2” EFW with the M54*0.75 male thread of the filter drawer, as the picture shows.

Please note that the back focus length of the solutions 2 to 5 is 56 mm. This is because filters extend the light path. The M48-M42 adapter will block the sensor for a little bit as the diagonal of the ASI6200 sensor is already 43 mm. Thus, we recommend to choose solution 4 or 5.

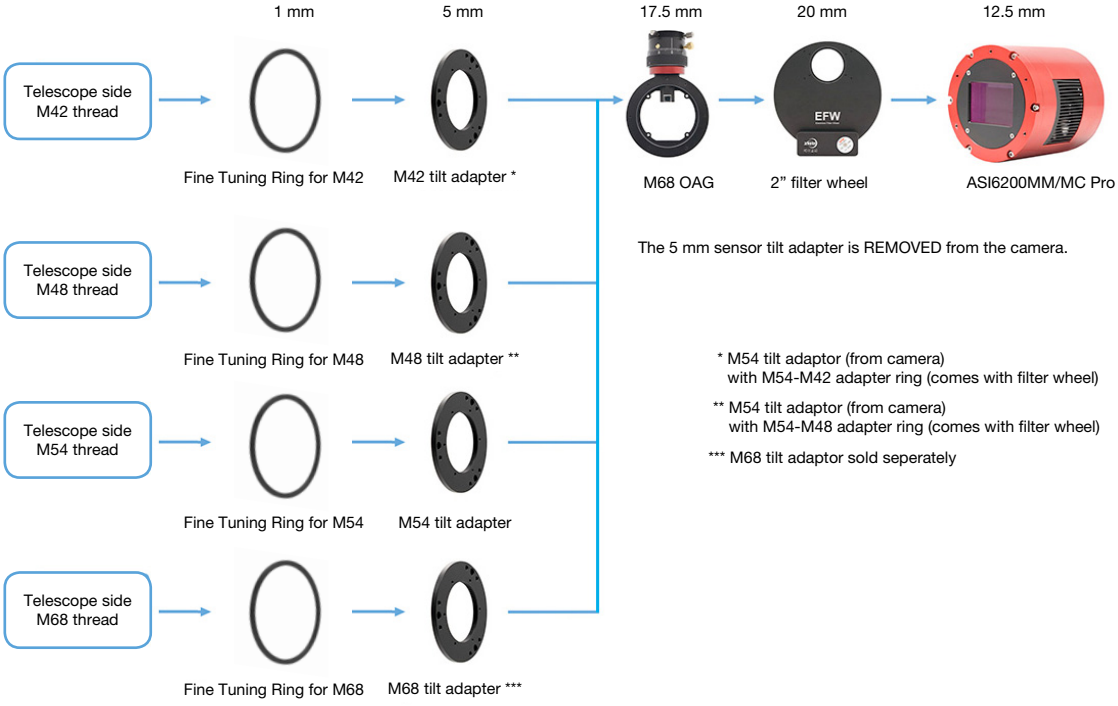
4. Using thec M68 OAG and the M54 filter drawer



The 5 mm sensor tilt adapter is attached to the camera.

This solution only suits for the telescopes with M68 thread.

5. Using the M68 OAG and the 2” EFW



The 5 mm sensor tilt adapter is REMOVED from the camera.

* M54 tilt adaptor (from camera)
with M54-M42 adapter ring (comes with filter wheel)

** M54 tilt adaptor (from camera)
with M54-M48 adapter ring (comes with filter wheel)

*** M68 tilt adaptor sold seperately

The 5 mm sensor tilt adapter is REMOVED from the camera. This is the most recommended connection solution. The combination of the mono full-frame camera and 2” filter wheel can create many possibilities for your astrophotography. The use of the OAG will also help simplify your imaging setup by replacing the guide scope. It’s very suitable for middle and high-level astrophotographers.

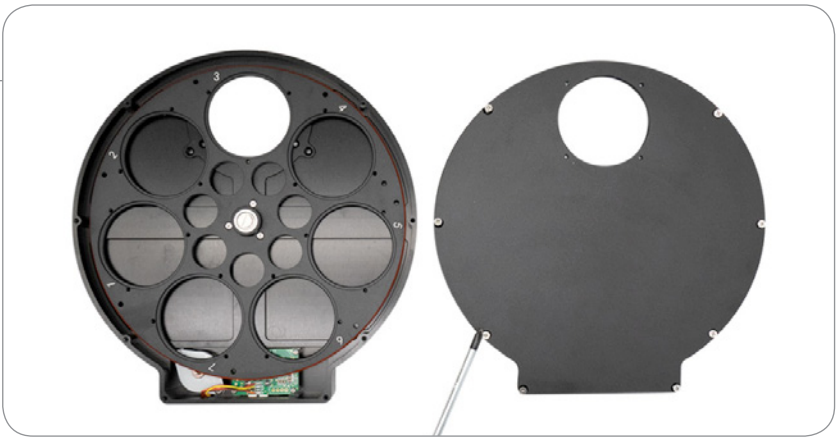
The installation of the M68 OAG, 2” EFW and ASI6200 camera is not very complex, but considering you need to remove the sensor tilt adapter of the camera first, we here show the detailed connection steps to help you quickly complete the installation without making mistakes.

1

Remove the 5 mm sensor tilt adapter from the main camera.

2

Remove the back cover of the EFW.



3

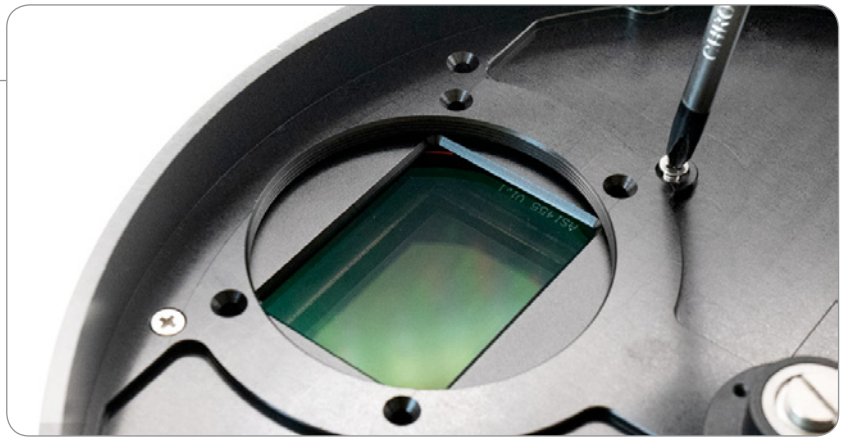
Remove the filter wheel carousel (Note: **DO NOT** remove the central screw of this carousel, because doing so will damage the EFW).

4

Align the four screw holes of the EFW with these near the four corners of the camera chip as shown on the right.

5

Tighten the screws.



6

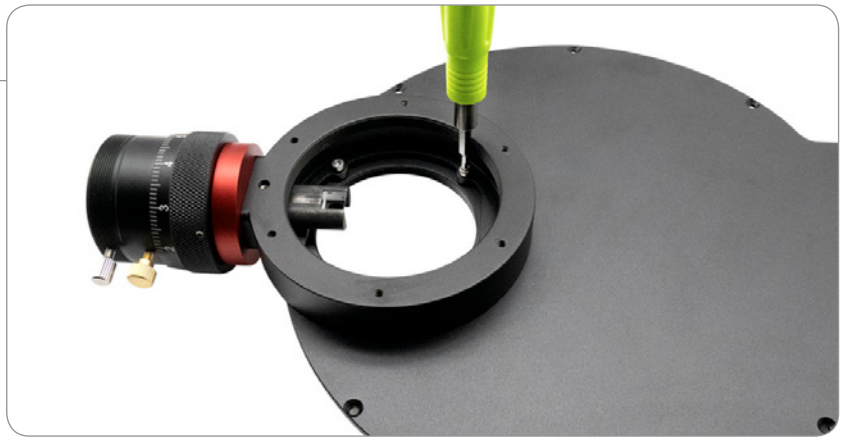
Install the filter wheel carousel.

7

Mount the M68 OAG to the back cover of the EFW.

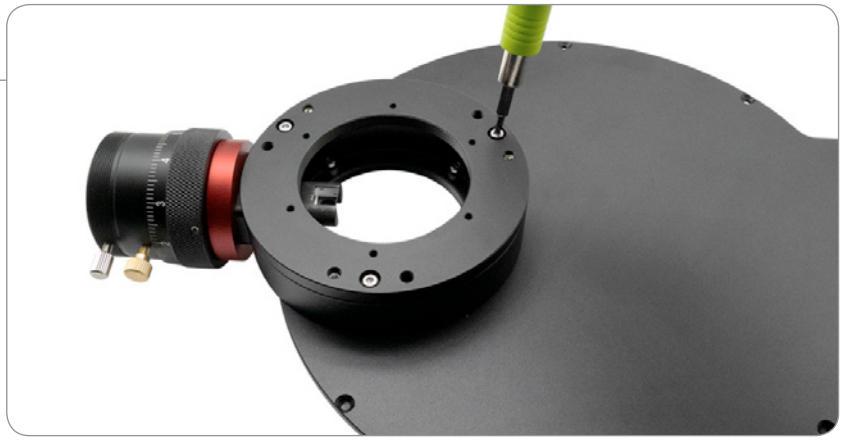
Note: You may reposition the prism to make sure it would not block the sensor.

The M2.5*8 screws used here can be found in the package of the M68 OAG.



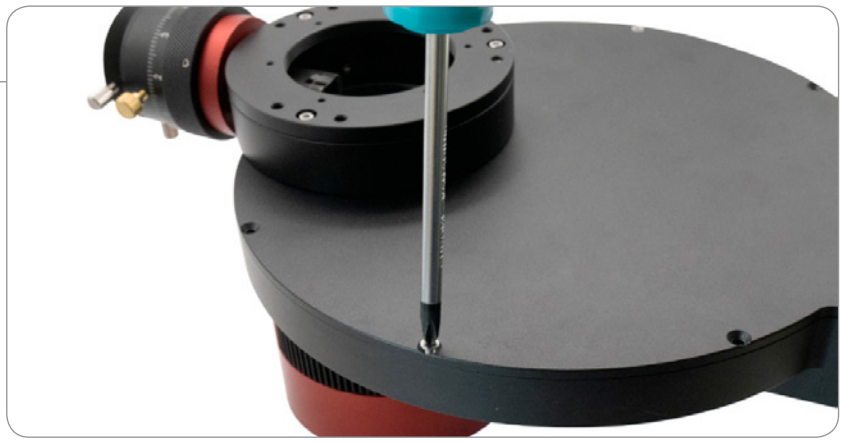
8

Mount the 5 mm sensor tilt adapter to the M68 OAG. If the thread of the telescope side is M42 or M48, you should use the M54 sensor tilt adapter just removed from the camera and the corresponding adaptor ring that came with the filter wheel. While if the thread of the telescope side is M68, then you should use the new M68 sensor tilt adapter.



9

Attach the back cover of EFW to the EFW.



10

The Installation is completed.

Notes:

In all solutions with the EFW, the side with the protruding motor cover of the EFW (the side with the ZWO logo) faces towards the camera.

Please make sure the prism does not block the sensor.

Adjust the focus point of the guide camera with the focuser.