

PCO CAMERA MANUAL ADDENDUM

CHANGE FROM F-MOUNT TO C-MOUNT

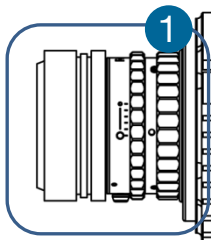
NOTICE

How to change the optical input from F-mount to C-mount.

MECHANICAL DAMAGE OF THE C-MOUNT RING

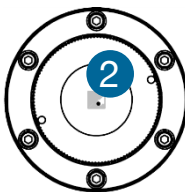
Tightening the hexagon socket setscrews too tight will permanently damage the C-mount ring.

- Use a torque wrench and select a maximum torque of 1 Nm to tighten the hexagon socket setscrews.



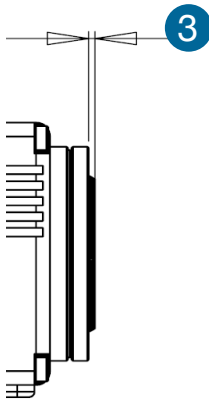
Step 1: Remove F-mount adapter

Turn the black lock ring ① counterclockwise to loosen the F-mount adapter and then unscrew it.



Step 2: Insert C-mount ring

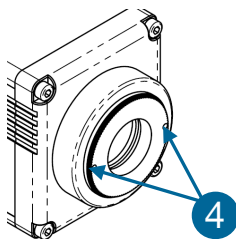
Carefully screw the C-mount ring ② clockwise. The two hexagon setscrews must be visible on the outside.



Step 3: Adjust flange focal distance

In order to reach the standard support dimension of C-mount (17.526 mm), screw in the C-mount ring so far that it protrudes outwards a certain distance ③ depending on the camera model (see table). For fine adjustment use a suitable lens with large aperture.

Camera	Distance
pco.edge	1.8 mm
pco.panda	2 mm
pco.ultraviolet	2 mm
pco.flim	3 mm
pco.dicam C1	3.3 mm



Step 4: Fix the C-mount ring

To fix the C-mount ring, tighten both hexagon setscrews ④ (1.5 mm hex key) to a maximum torque of 1 Nm.