

DJI Mini / Mini 2 - ND Filter Mounting - Canipus Tips

People have been having problems mounting ND filters to the DJI Mini & Mini 2 camera gimbal systems on the front of their aircraft.

There is very little information on line about the correct positioning other than the small hooks at the end of the ND filter metal frame have to clip into the fine grill situated on the top and to the rear of the gimbal's plastic body. It's fiddly and time consuming and no advice is given about how firmly the filter's metal clip needs to be pushed down onto the top of the camera.

Because the clip mounting appears flimsy and the fitting not secure, it does not inspire a lot of confidence for newbies. The result is that many people end up attempting to eliminate the gap between the metal clip and the top surface of the camera by pushing down on the clip to try and get it to align better with the top surface of the camera housing. Having partially succeeded in realigning the filter clip they then power up the aircraft and remote only to receive Gimbal Motor Overloaded / Gimbal Stuck error messages.

By pushing too far down on the filter's metal clip, the hooks at the end penetrate the grill at the wrong angle and depth and snags the mechanism under the grill. In other words it causes the gimbal's internal movement to snag up. At least that's what appears to be happening but with so little information it's hard to know if this is an accurate assessment of the situation. I had this exact problem, constantly, UNTIL I left the gap between the filter's clip and the top of the camera as shown in the picture below. Then EUREKA, the error messages disappeared!

