

# Dquad Obsession - Frame Assembly Manual

Step 1 – Choose whether you want to use the PDB or the 2mm carbon plate. Use 4x M3x12mm and locknuts for the outer connections. For the inner holes (30.5mm x 30.5mm spacing) 4x M3x25mm plastic bolts in combination with M3x4mm round standoffs are used so the FC can be mounted on top. If you choose to use the 20x20 stack holes to mount the FC it is not necessary to install m3 bolts in the 30x30 FC stack holes.

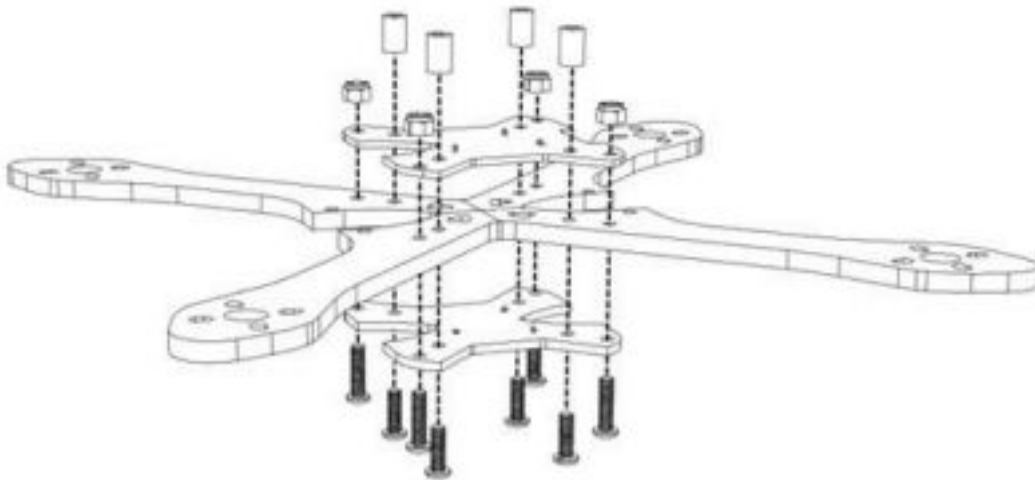
## V3 obsession update



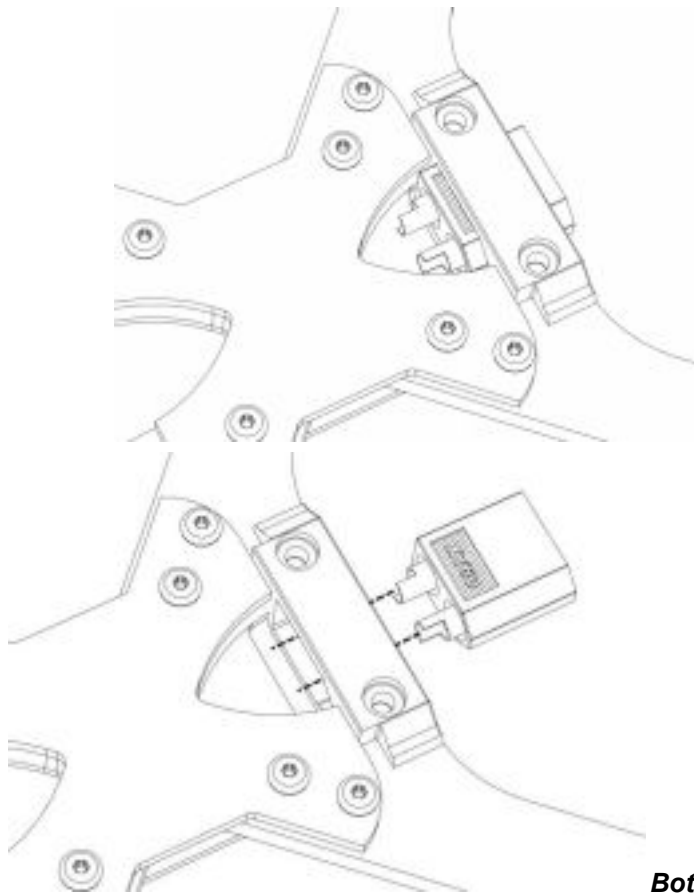
New to the obsession are v3 arms that are replaceable without the need to remove the 30x30 or 20x20 stack bolts. The heads of the stack bolts are also hidden internally in the frame within the large holes in the arms. To install: first mount the stack bolts to the PDB or the carbon fiber main plate, whichever you choose to use. Next install the arms over the heads of the stack bolts. Now you can sandwich mount the arms with the carbon fiber bottom plate. Just use the four outer holes on the bottom plate.



*Dquad Obsession frame Assembly Manual v2*



Step 2 – Put the aluminum xd mount bracket on its position and slide the XT60 connector through it so it touches the PDB. Then solder it to the PDB. In case you don't use the PDB, it is still possible to use the bracket and just solder wires to the connector \*\*\*\* **double check polarity before soldering the XT60!** \*\*\*\*



**Bottom View**

Step 3 – Next step is to assemble the aluminum roll cage and put the camera in between. Use M3x10mm bolts and the supplied M3x19mm standoffs.

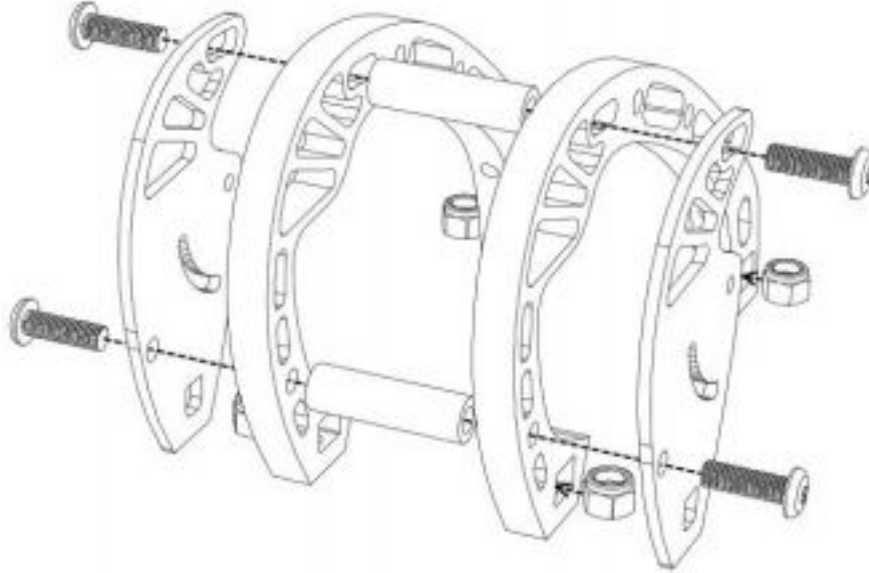
The mounting holes in the side plates are optimized for a full size camera. Mini and micro cameras fit with appropriate adapters. In case another camera is used, additional holes might be needed. When drilling these, make sure you test the camera angle and if the lens is not sticking out too far so it is protected.

We did not drill this extra hole on purpose, because there are many cameras and lenses available which might require a slightly different position.

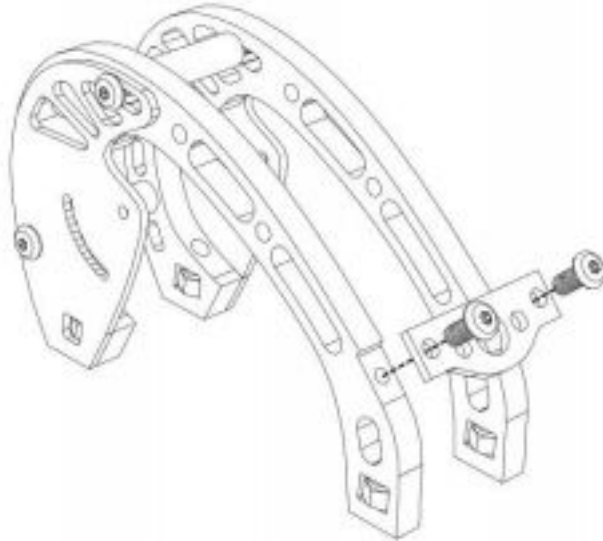


*Dquad Obsession frame Assembly Manual v2*

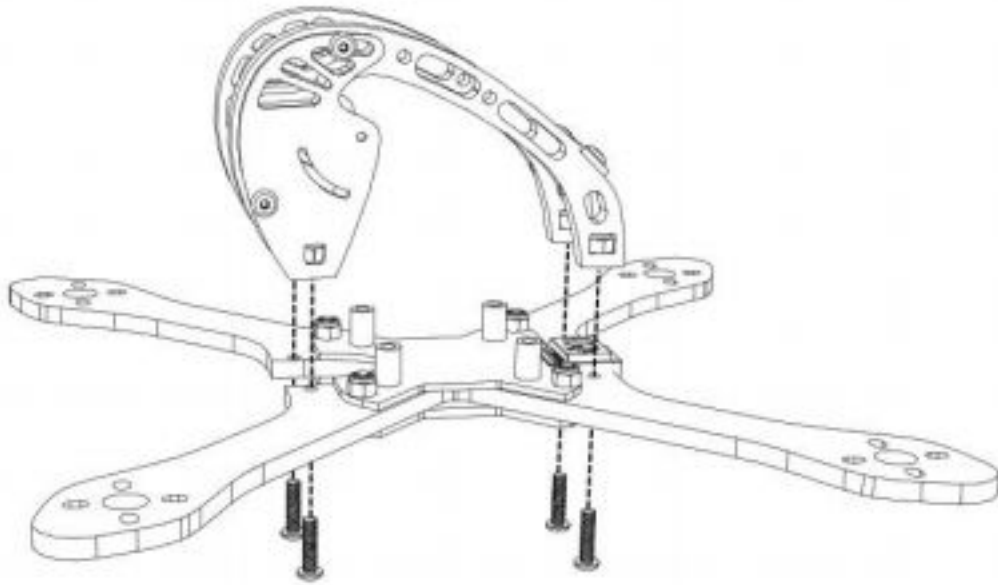
Put the locknuts into their chambers. Some force might be needed to put them in. Use a wrench or vise in that case.



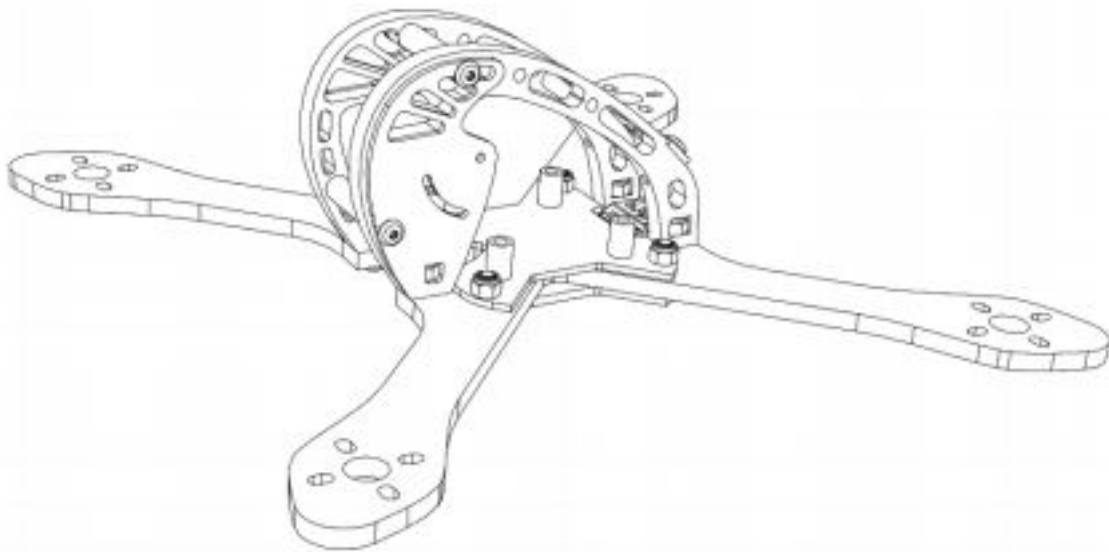
Step 4 – Put the small 2mm thick antenna plate on top of the backside of the aluminum brackets and secure it with 2x M3x6mm.



Step 5 – The top section is mounted with 2x M3x14mm bolts (back) and 2x M3x 12mm bolts (front).If you don't use the XT60 connector bracket, you can use 2x M3x12mm instead of M3x14mm.



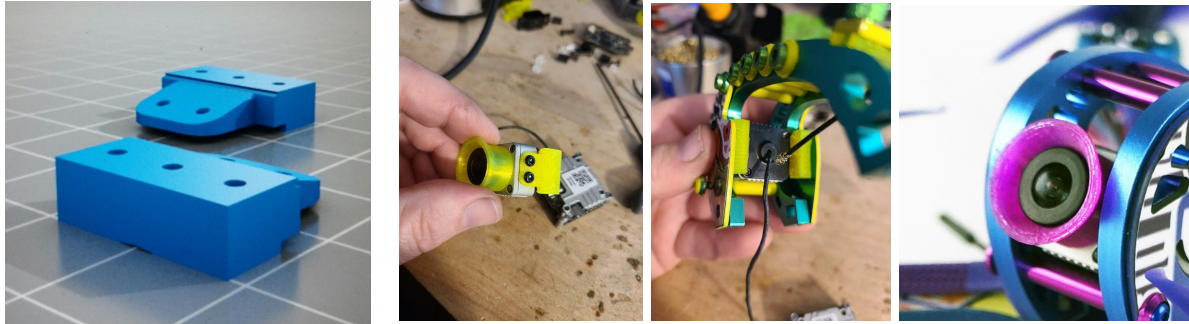
**All done!**



**Dquad**  
*Obsession*

Obsession hd vista camera adapter by kimberli Browning

[www.thingiverse.com/thing:4610836](http://www.thingiverse.com/thing:4610836)



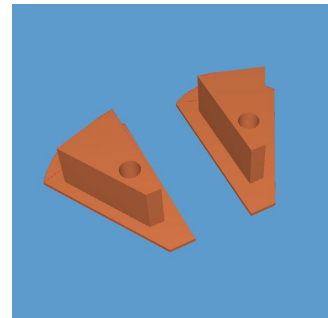
Obsession sma to caddx vista mount by Kimberli Browning

[www.thingiverse.com/thing:4563963](http://www.thingiverse.com/thing:4563963)



micro camera adapter by Derek Slayton

[www.thingiverse.com/thing:4587416](http://www.thingiverse.com/thing:4587416)



For runcam micros and predator micro

Universal micro camera mount by Derek Slayton

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Adapts the caddx vista and all micro cameras to the obsession