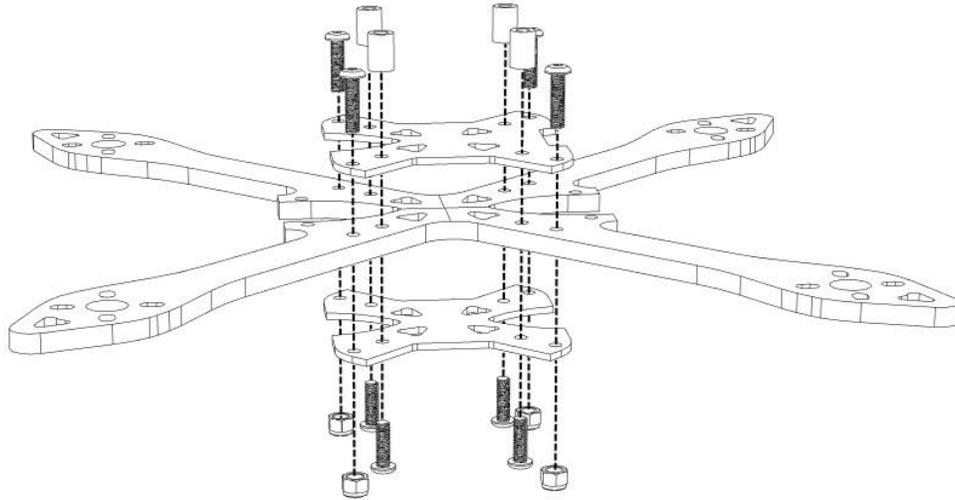
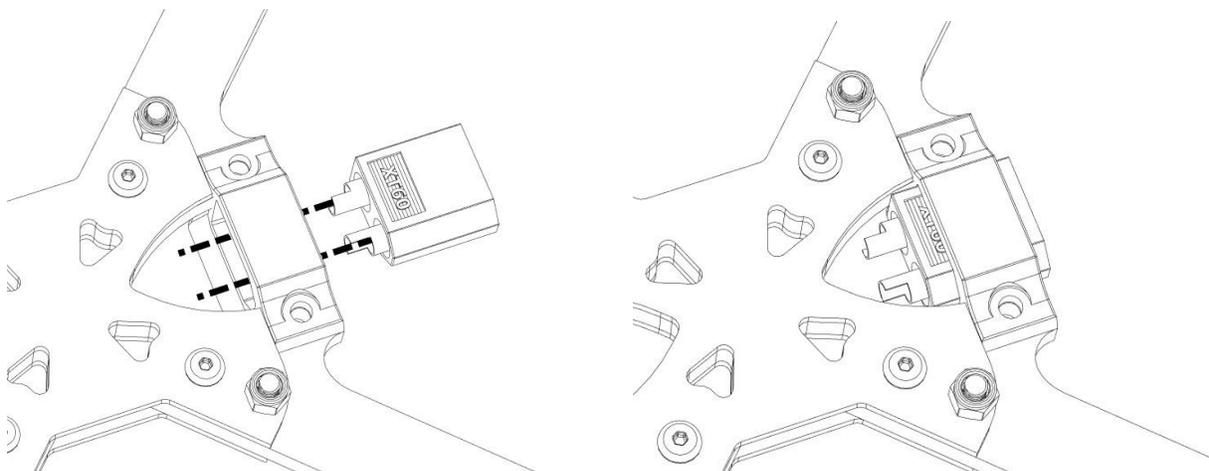


# Dquad Obsession - Frame Assembly Manual

Step 1 – Choose whether you want to use the PDB or the 1.5mm carbon plate. Use 4x M3x12mm and locknuts for the outer connections. For the inner holes (30.5mm x 30.5mm spacing) 4x M3x11mm in combination with M3x8mm round standoffs are used so the FC can be mounted on top.



Step 2 – Put the 3D printed 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. In that case it might be wise to glue the XT60 to the bracket so it doesn't slide out. \*\*\*\* **double-check polarity before soldering the XT60!** \*\*\*\*



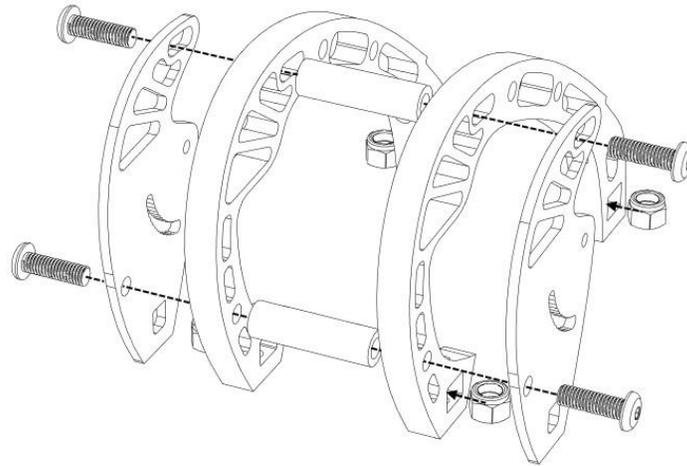
*Bottom View*

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.

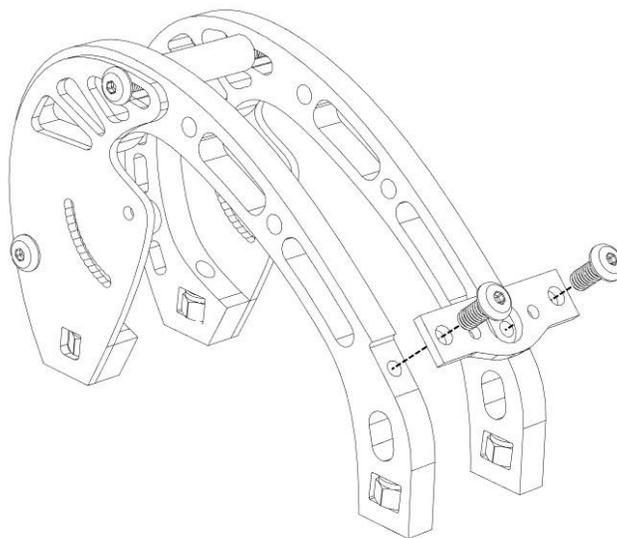
The mounting holes in the sideplates are optimized for the HS1190 camera. In case another camera is used, additional holes might be needed. When drilling these, make sure you test the camera angle and if the lens is not sticking out too far so it is protected.

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

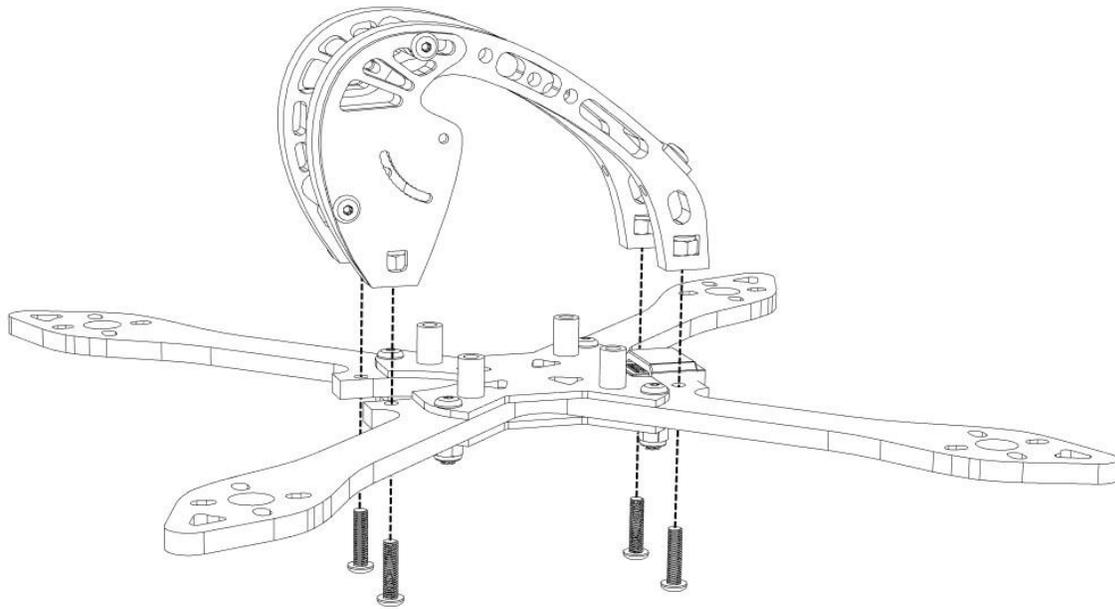
Put the locknuts into their chambers. Some force might be needed to put them in. Use a wrench or vise in that case.



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!**

