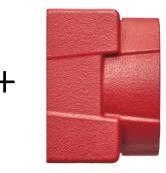


APPLICATION NOTE

Assembling Alvium Cameras from CAD Components

V1.0.0 2021-Apr-23







Scope

Learn to assemble cameras from CAD (STEP) components to design in the various hardware options!

STEP file components overview



Bare board cameras CSI-2, USB Standard, or USB 90°



Front housings C-Mount, CS-Mount, or S-Mount



Backside covers USB Standard or USB 90°



Downloads for components

Download the STEP files for your individual Alvium camera from www.alliedvision.com/en/support/alvium-step-file-toolbox.



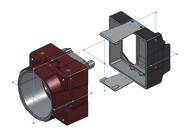
Assembling camera design models from STEP files



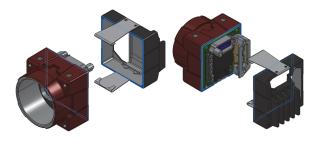
1. Set the vertical and horizontal planes congruent.



2. Set the distance between the mounting surface and the lens mount front flange. Alvium user guides state values by sensor model as Mechanical Length (ML) in the Specifications > Technical Drawings chapter, see www.alliedvision.com/en/support/technical-documentation.



3. Set the vertical and horizontal planes congruent.



4. Set the blue marked surfaces congruent.



You are done!



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