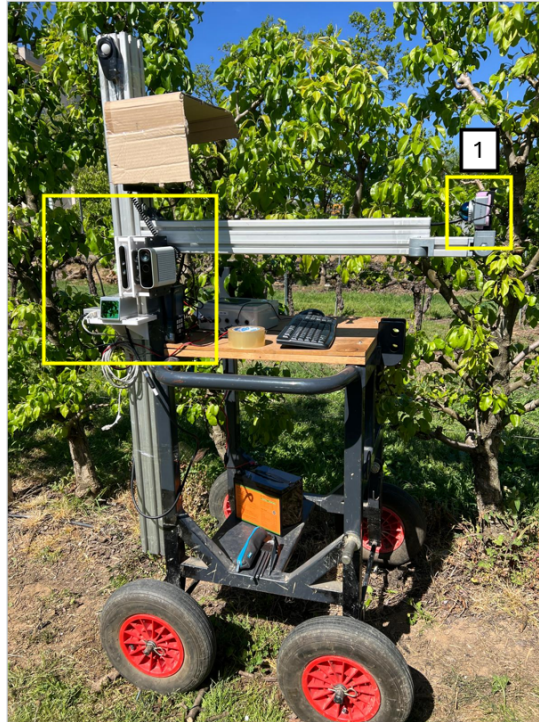




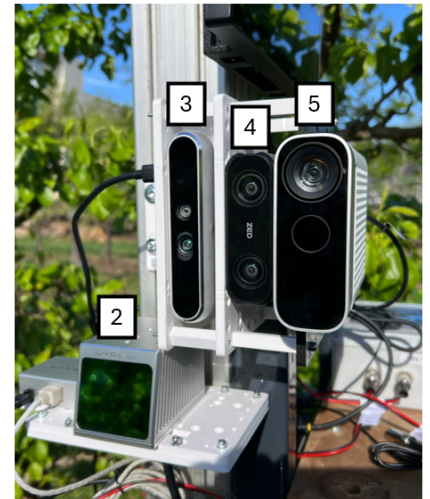
DIGIFRUIT Field Work

Sensor assembly and static testing in apple trees

On 11/04/2024, we have mounted several low cost photonic sensors and tested them in an apple tree plantation located in the experimental fields of ETSEAFIV (University of Lleida). The tested sensors were: (1) Livox Mid-360 LiDAR sensor, (2) Livox Mid-70 LiDAR sensor, (3) Intel RealSense 455f, (4) Stereoloabs ZED X Mini Stereo Camera and (5) Microsoft Azure Kinect DK.



Descargar imagen



Starting of data acquisition in young apple trees (Gimenells, Lleida)



Descargar imagen

On 03/04/2024, we have begun data acquisition in a young apple tree plantation in the experimental farm of IRTA (collaborator of the DIGIFRUIT project) located in Gimenells (Lleida). This plot corresponds to a nutrition and irrigation dose trial in which we will be able to monitor the different vegetative growth and test the low-cost sensors that we are selecting and testing.

Static tests of photonic sensors in apple orchards



On 23/02/2024 we have carried out static tests in the apple orchard of the ETSEAFIV (Lleida) with the low-cost sensors of the DIGIFRUIT project. The aim is to determine the ability of these sensors to obtain 3D reconstructions of trees without leaves.