

Introduction

The ML Peach RGB-D Dataset is composed by 2050 multi-modal images of peach on tree filelds captured using Microsoft Azure Kinect. Each images contains 3 different modalities, including RGB image, Depth image and Infrared image.

All images were aligned with the RGB image and manually labelled in 4 classes: unobstructed, obscured by foliage, obscured by branches and obscured by fruit. Find annotations in ".txt" format inside "annotation_yolo" folder. The camera parameters for each image taken are saved in ".txt" format inside "calib" folder. The following informations are some of the camera parameters.

Color camera:

Resolution	1280 x 720
FOV	190° x 59°
Format	png

Depth camera:

Resolution	1024 x 1024
Mode	WFOV
FOI	120° x 120°

Folder structure:

```
ML Peach RGB-D Dataset
├── depth
│   ├── 1.png
│   └── ....
└── rgb
```

