

Main Dataset:

Link: <https://cocodataset.org/#home>

Our real-time object detection model was trained using the COCO dataset, whose extensive annotations are licensed under the Creative Commons Attribution 4.0 License, necessitating proper source acknowledgment. We ensured that all image usage complied with Flickr's Terms of Use while accepting full responsibility for any copies of copyrighted images derived from the dataset. Additionally, our implementation of the YOLO framework incorporated the COCO Consortium's software in strict adherence to its redistribution policies, including the retention of all requisite copyright notices, conditions, and disclaimers.

Door Dataset:

Link: <https://www.kaggle.com/datasets/dataclusterlabs/doors-doors>

Our door detection model was developed separately from our object detection system by leveraging a specialized dataset curated by DataCluster Labs and available on Kaggle, consisting of over 3,000 images. The dataset presents a mix of indoor door imagery and scenes featuring excavator vehicles, with annotations provided in multiple formats including COCO, YOLO, PASCAL-VOC, and Tf-Record. The dataset is available under a CC0 Public Domain license, making this dataset available for research and personal applications.