

# Amazon Bin Image Dataset

[amazon.science](#)[computer vision](#)[machine learning](#)

## Description

The Amazon Bin Image Dataset contains over 500,000 images and metadata from bins of a pod in an operating Amazon Fulfillment Center. The bin images in this dataset are captured as robot units carry pods as part of normal Amazon Fulfillment Center operations.

## Update Frequency

Not updated

## License

Creative Commons Attribution-NonCommercial-ShareAlike 3.0 United States (CC BY-NC-SA 3.0 US) <https://creativecommons.org/licenses/by-nc-sa/3.0/us/>

## Documentation

<https://github.com/awslabs/open-data-docs/tree/main/docs/aft-vbi-pds>

## Managed By



See all datasets managed by [Amazon](#).

## Contact

[amazon-bin-images@amazon.com](mailto:amazon-bin-images@amazon.com)

## How to Cite

Amazon Bin Image Dataset was accessed on **DATE** from <https://registry.opendata.aws/amazon-bin-imagery>.

## Usage Examples

### Publications

- [Amazon Bin Image Dataset Challenge](#) by [silverbottlep](#)
- [Amazon Inventory Reconciliation using AI](#) by [Pablo Rodriguez Bertorello](#), [Sravan Sripada](#), [Nutchapol Dendumrongsup](#)

## Resources on AWS

### Description

Over 500,000 bin JPEG images and corresponding JSON metadata files describing items in bins in Amazon Fulfillment Centers.

### Resource type

S3 Bucket

### Amazon Resource Name (ARN)

**`arn:aws:s3:::aft-vbi-pds`**

[Edit this dataset entry on GitHub](#)

[Tell us about your project](#)

[Home](#)

**AWS Region**

us-east-1

**AWS CLI Access (No AWS account required)**

```
aws s3 ls --no-sign-request s3://aft-vbi-pds/
```

**Explore**

[Browse Bucket](#)