Version 1.0.0

Overview

This lab demonstrates the use of TI mmWave sensors to count and track multiple people simultaneously. Using the IWR6843ODS or IWR6843ISK, detection and tracking algorithms run onboard the device to localize people and track their movement with a high degree of accuracy. The algorithms are also set to ignore static objects such as desks or chairs, but still detect static people. The lab provides full source code and a CCS project and runs on the TI mmWave sensor IWR6843.

Features

The following features are supported:

- Supports IWR6843ODS and IWR6843ISK device.
- Detects and Tracks up to 20 People in the environment
- Filters out clutter such as chairs and tables.
- GUI displays point cloud and tracking information
- Supports mmWave SDK 3.3.0.3

New and Updated Features

The following features are new or updated in this release:

- New Lab

Resolved Incident Reports

The following are Incident Reports resolved in this release:

- N/A

Known Issues

The following are Known Issues in this release:

- Elevation Angle Estimation on ISK may be inacurrate

- Static Tracking within 2 meters of the device can be obscured by false static detections.
- High speed targets may not be detected.

Work Arounds for Major Known Issues

The following are workarounds for each known issue with a major severity that exists in this release:

- Ensure the staticBoundaryBox argument for NearY is 2 or greater.

Limitations

The following is a list of known limitations for this release that were known at the time of release:

- N/A