



Traffic Monitoring – Release Notes

Overview

This software package demonstrates the use of TI mmWave sensors to count and track multiple vehicles in a traffic monitoring application. Using the IWR1642, detection and tracking algorithms run onboard the device to localize vehicles and track their movement with a high degree of accuracy. This package includes a max velocity extension algorithm that enables accurate tracking of at least 3x the max velocity as determined by the radar chirp configuration. The lab provides full source code and a CCS project and runs on the TI mmWave sensor xWR16xx EVM.

Features

- Vmax extension for at least 3x max velocity
- Group tracking algorithm for tracking multiple vehicles across multiple lanes

New and Updated Features

GUI

- Extended configurability via GUI interface for setup

Project Source Files

- Mmwave_demo_dev v0.99 and gtrack v0.63
- Requires SDK 1.01.02
- CLI commands for gtrack parameters.

Resolved Incident Reports

Table 1 provides information on IR resolutions incorporated into this release.

Table 1 Resolved IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description
n/a	n/a	n/a

Known Issues

Table 2 provides information on IRs that are known issues for this release.

Table 2 Known Issue IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description
n/a	n/a	n/a

Work Arounds for Major Known Issues

Following are workarounds for each known issue with a major severity that exists in this release.

- n/a

Limitations

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

- n/a

Installation Instructions