Lane Detection on DSP
Version 00.03.00.00

Release Notes
June 2017

Build ID: 00.03.00.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues

New In This Release

- Restructuring of package and licensing related changes.

Validation Information

Release Configuration	Description	Validation Platform
LANDET_001	Lane Detection module runs on TI TMS320C66X DSP	Code Composer Studio [Datasheet][User Guide]

This release is validated on the following:

- TDA2x EVM with:
    - Code Composer Studio version 5.1.0.09000
    - Code Generation Tool version 7.4.2
    - XDAIS version 7.24.00.04
    - EDMA3 LLD 02.12.00.20
    - DMAUTILS version 00.08.00

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None	NA	LANDET_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00112849	DMA resource is not acquired from EDMA3 LLD – it is assumed inside the algorithm	LANDET_001

TEXAS INSTRUMENTS

Lane Detection on DSP
Version 00.02.03.00

Release Notes
April 2016

Build ID: 00.02.03.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues

New In This Release

- Reset feature provided to the reset LD algorithm state at run time, a simpler way rather than using ALG_INIT and ALG_DEINIT. Resets the Kalman filter states of the LD track data.
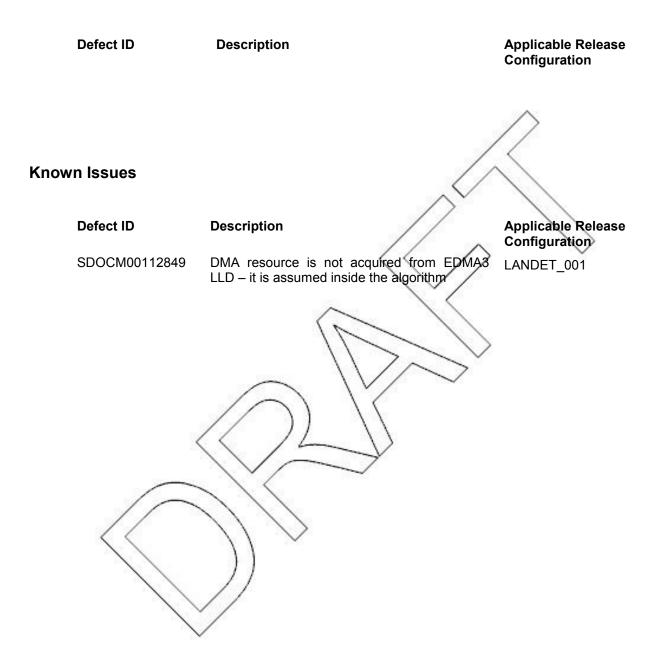
Validation Information

Release Configuration	Description	Validation Platform
LANDET_001	Lane Detection module runs on TI TMS320C66X DSP	Code Composer Studio [Datasheet][User Guide]

This release is validated on the following:

- TDA2x EVM with:
  - Code Composer Studio version 5.1.0.09000
  - Code Generation Tool version 7.4.2
  - XDAIS version 7.24.00.04
  - EDMA3 LLD 02.12.00.20

Fixed In This Release

Defect ID	Description	Applicable Release Configuration

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00112849	DMA resource is not acquired from EDMA3 LLD – it is assumed inside the algorithm	LANDET_001

Lane Detection on DSP
Version 00.02.02.00

Release Notes
Feb 2016

Build ID: 00.02.02.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues

New In This Release

- New lane region visualization method (trapezoidal lane region) enabled in the test bench drawing logic

Validation Information

Release Configuration	Description	Validation Platform
LANDET_001	Lane Detection module runs on TI TMS320C66X DSP	Code Composer Studio [Datasheet][User Guide]

This release is validated on the following:

- TDA2x EVM with:
    - Code Composer Studio version 5.1.0.09000
    - Code Generation Tool version 7.4.2
    - XDAIS version 7.24.00.04
    - EDMA3 LLD 02.12.00.20

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00121305	Hough Transform implementation would work incorrectly when maxRho was not a multiple of 4	LANDET_001
SDOCM00121306	Removed cache_wb and cache_inv inside the algorithm process call, to avoid any conflicts and coherency issues when multiple algorithms are running concurrently	LANDET_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00112849	DMA resource is not acquired from EDMA3 LLD – it is assumed inside the algorithm	LANDET_001

Lane Detection on DSP
Version 00.02.01.00

Release Notes
Feb 2015

Build ID: 00.02.01.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues

New In This Release

-

Validation Information

Release Configuration	Description	Validation Platform
LANDET_001	Lane Detection module runs on TI TMS320C66X DSP	Code Composer Studio [Datasheet][User Guide]

This release is validated on the following:

- TDA2x EVM with:
  - Code Composer Studio version 5.1.0.09000
  - Code Generation Tool version 7.4.2
  - XDAIS version 7.24.00.04
  - EDMA3 LLD 02.12.00.20

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00114693	Lane Detect Inverse Hough NatC function output incorrect	LANDET_001
SDOCM00114819	Lane detect expects external symbols cache_wb and cache_inv	LANDET_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00112849	DMA resource is not acquired from EDMA3 LLD – it is assumed inside the algorithm	LANDET_001

Lane Detection on DSP
Version 00.02.00.00

Release Notes
Jan 2015

Build ID: 00.02.00.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues

New In This Release

- Improved curve line detection.
- Includes the lane departure warning information.

Validation Information

Release Configuration	Description	Validation Platform
LANDET_001	Lane Detection module runs on TI TMS320C66X DSP	Code Composer Studio [Datasheet][User Guide]

This release is validated on the following:

- TDA2x EVM with:
    - Code Composer Studio version 5.1.0.09000
    - Code Generation Tool version 7.4.2
    - XDAIS version 7.24.00.04
    - EDMA3 LLD 02.12.00.20

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00112850	The DMA queue usage is not balanced	LANDET_001
SDOCM00112851	It does not provide lane departure warning information	LANDET_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00112849	DMA resource is not acquired from EDMA3 LLD – it is assumed inside the algorithm	LANDET_001

TEXAS INSTRUMENTS

Lane Detection on DSP
Version 00.01.00.00

Release Notes
Oct 2014

Build ID: 00.01.00.00

The release note is divided into the following sections:

- New In This Release
- Validation Information
- Fixed In This Release
- Known Issues

New In This Release

- First release of Lane Detection Module.

Validation Information

Release Configuration	Description	Validation Platform
LANDET_001	Lane Detection module runs on TI TMS320C66X DSP	Code Composer Studio [Datasheet][User Guide]

This release is validated on the following:

- TDA2x EVM with:
  - Code Composer Studio version 5.1.0.09000
  - Code Generation Tool version 7.4.2
  - XDAIS version 7.22.00.03
  - EDMA3 LLD 02.11.14.19

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None	NA	LANDET_001

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00112849	DMA resource is not acquired from EDMA3 LLD – it is assumed inside the algorithm	LANDET_001
SDOCM00112850	The DMA queue usage is not balanced	LANDET_001
SDOCM00112851	It does not provide lane departure warning information	LANDET_001
SDOCM00113429	Contrast stretching not supported	LANDET_001

TEXAS INSTRUMENTS