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

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Validation Information

Release Configuration

Description

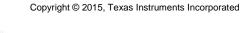
Validation Platform

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 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



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

| wn issues | | | |
|---------------|---|--|-------------------------------------|
| Defect ID | Description | (() | Applicable Release Configuration |
| SDOCM00112849 | DMA resource is not LLD – it is assumed | acquired from EDMA3 inside the algorithm | LANDET_001 |
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| | // | | |



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

LANDET_001

Description

Lane Detection module runs on TI

TMS320C66X DSP

Validation Platform

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 |

