StereoVision on DSP
Version 00.03.00.00

Release Notes

May 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

- New licensing terms 'TI Text File license' apply to this release, please refer to files' header.
- Restructuring of package, added dependency with DMAUTILS.

Validation Information

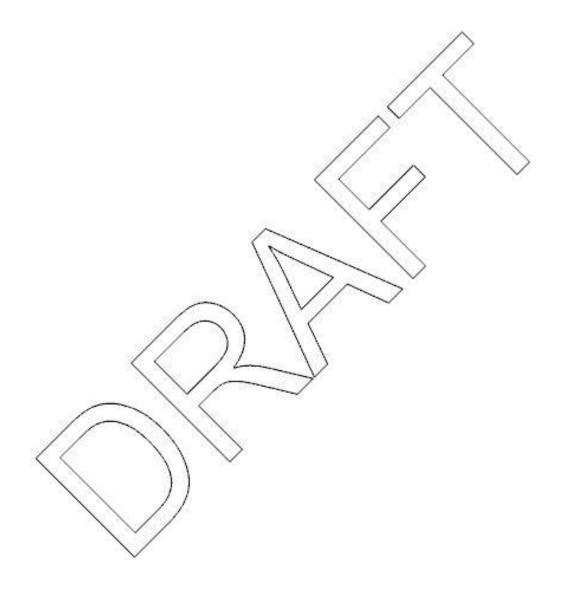| Release Configuration	Description	Validation Platform
STEREOVISION_001	StereoVision post processing module runs on TI TMS320C66X DSP	Code Composer Studio [Datasheet][User Guide]

This release is validated on the following:

- TDA2x EVM with:
    - Code Composer Studio version 5.5.0.00077
    - Code Generation Tool version 7.4.4
    - XDAIS version 7.24.00.04
    - EDMA3 LLD 02.12.00.20
    - DMAUTILS version 00.08.00

TEXAS INSTRUMENTS

Fixed In This Release

Known Issues

StereoVision on DSP
Version 00.02.03.00

Release Notes

February 2017

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

- Enabled sub-pel interpolation up to 4 bits for any disparity step value.

- Calculate confidence of every disparity based on texture, curvature, matching cost and L-R check.

- In addition to existing 8-bit integer-pel disparity, generate 16-bit disparity, which consist of 7-bit integer-pel disparity, 4-bit fractional-pel disparity and 5-bit confidence.

- Bit widths of many internal memories are increased from 8 bits to 16 bits.
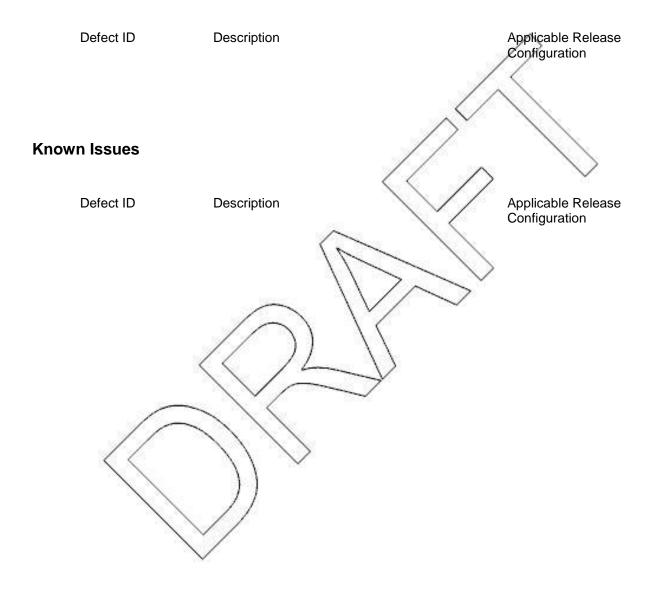
Validation Information

Release Configuration	Description	Validation Platform
STEREOVISION_001	StereoVision post processing 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 5.5.0.00077

TEXAS INSTRUMENTS

- Code Generation Tool version 7.4.4
- 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

TEXAS INSTRUMENTS

StereoVision on DSP
Version 00.02.02.00

Release Notes

February 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

- Bug fix to remove noise along borders of the disparity output

Validation Information

Release Configuration	Description	Validation Platform
STEREOVISION_001	StereoVision post processing 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 5.5.0.00077
  - Code Generation Tool version 7.4.4
  - XDAIS version 7.24.00.04
  - EDMA3 LLD 02.12.00.20

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00116497	Artifacts around disparity frame output's borders	STEREO_001

Known Issues

Defect ID	Description	Applicable Release Configuration

TEXAS INSTRUMENTS

StereoVision on DSP
Version 00.02.00.00

Release Notes

March 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

- Code cleaned-up.
- Parameters moved to argIn structures for dynamic update
- More tuning knobs.
- Added left-right check
- Bug fix in texture thresholding

Validation Information

Release Configuration	Description	Validation Platform
STEREOVISION_001	StereoVision post processing module runs on TI TMS320C66X DSP	Code Composer Studio [Datasheet][User Guide]

This release is validated on the following:

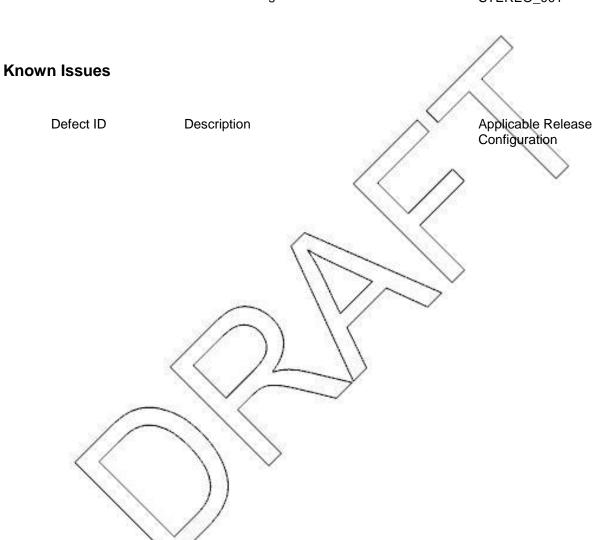- TDA2x EVM with:
    - Code Composer Studio version 5.5.0.00077
    - Code Generation Tool version 7.4.4
    - XDAIS version 7.24.00.04
    - EDMA3 LLD 02.12.00.20

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None	Texture thresholding was incorrect	STEREO_001

Known Issues

Defect ID	Description	Applicable Release Configuration

TEXAS INSTRUMENTS

StereoVision on DSP
Version 00.01.00.00

Release Notes

February 2015

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 Stereovision Module.

Validation Information

Release Configuration	Description	Validation Platform
STEREOVISION_001	StereoVision post processing 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 5.5.0.00077

    – Code Generation Tool version 7.4.4

    – XDAIS version 7.24.00.04

    – EDMA3 LLD 02.12.00.20

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None	NA	STEREO_001

Known Issues

Defect ID	Description	Applicable Release Configuration

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INSTRUMENTS