

MJPEG Decoder

Version 01.00.13

Release Notes

April 2015

Build ID: 01.00.13.01

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

- Refer to Fixed In This Release section

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

- This release is dependent on the following components.
 - Code Composer Studio (CCSv4) version 4.2.0.09000
 - Code Generation Tool version 4.5.1 for HDVICP2 processor
 - Code Generation Tool version 5.0.3 for Media Controller processor
 - Framework Component version 3.24.00.06.eng
 - HDVICP2 API (01.00.00.23)
 - HDVICP2 CSP (Containing CSL) version 00.05.02.00



- This release is validated on DM816x REV-A2 DDR2 EVM using following components.
 - BIOS version 6.30.02.42
 - Codec Engine (CE) version 3.20.00.16
 - XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00116055	MJPEGdecoder continues to decode in spite of the frame dimension being greater than the maxWidth and maxHeight specified	IVAHD_001

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IVAHD_001

MJPEG Decoder

Version 01.00.12

Release Notes

November 2013

Build ID: 01.00.12.01

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

- Refer to Fixed In This Release section

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

- This release is dependent on the following components.
 - Code Composer Studio (CCSv4) version 4.2.0.09000
 - Code Generation Tool version 4.5.1 for HDVICP2 processor
 - Code Generation Tool version 5.0.3 for Media Controller processor
 - Framework Component version 3.24.00.06.eng
 - HDVICP2 API (01.00.00.23)
 - HDVICP2 CSP (Containing CSL) version 00.05.02.00

- This release is validated on DM816x REV-A2 DDR2 EVM using following components.
 - BIOS version 6.30.02.42
 - Codec Engine (CE) version 3.20.00.16
 - XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00102511	Submitted ivahd_jpegvdec_01_00_11_01_production should provide test app that does not use XDIAS	IVAHD_001
SDOCM00102781	MJPEG decoder hang with specific IPNC error stream	IVAHD_001
SDOCM00104638	MJPEG decoder reports error for stream which is properly decoded by PC players	IVAHD_001

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IVAHD_001

MJPEG Decoder

Version 01.00.11

Release Notes

June 2013

Build ID: 01.00.11.01

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 changes done for MISRA C compliance

Validation Information

Release Configuration	Description	Validation Platform
IWAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

- This release is validated on DM816x REV-A2 DDR2 EVM using following components
 - Code Composer Studio (CCSv4) version 4.2.0.09000
 - Code Generation Tool version 4.5.1 for HDVICP2 processor
 - Code Generation Tool version 5.0.3 for Media Controller processor
 - Framework Component version 3.24.00.06.eng
 - HDVICP2 API (01.00.00.23)
 - HDVICP2 CSP (Containing CSL) version 00.05.02.00
 - BIOS version 6.30.02.42
 - Codec Engine (CE) version 3.20.00.16



– XDC tools version 3.20.04.68

Fixed In This Release

- None

Known Issues

- None



MJPEG Decoder

Version 01.00.10

Release Notes

June 2013

Build ID: 01.00.10.01

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

- Refer to Fixed In This Release section

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

- This release is validated on DM816x REV-A2 DDR2 EVM using following components
 - Code Composer Studio (CCSv4) version 4.2.0.09000
 - Code Generation Tool version 4.5.1 for HDVICP2 processor
 - Code Generation Tool version 5.0.3 for Media Controller processor



- Framework Component version 3.24.00.06.eng
- HDVICP2 API (01.00.00.21)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00101751	Codec returns error when bufSize.tileMem.height is zero for XDM_MEMTYPE_TILEDPAGE buffers	IWAHD_001

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IWAHD_001

MJPEG Decoder

Version 01.00.09

Release Notes

March 2013

Build ID: 01.00.09.00

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

- MJPEG Decoder Media Controller library is compiled with Code Generation tools v5.0.3
- Migrated to Framework Components version 3.24.00.06.eng
- Migrated to HDVICP2 API version 01.00.00.21

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

- This release is validated on DM816x REV-A2 DDR2 EVM using following components
 - Code Composer Studio (CCSv4) version 4.2.0.09000



- Code Generation Tool version 4.5.1 for HDVICP2 processor
- Code Generation Tool version 5.0.3 for Media Controller processor
- Framework Component version 3.24.00.06.eng
- HDVICP2 API (01.00.00.21)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

- None

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IWAHD_001

MJPEG Decoder

Version 01.00.08

Release Notes

March 2013

Build ID: 01.00.08.00

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

- Input Datasync – IVIDEO_SLICEMODE - is now supported in case of slice switching
- Fixes for MISRA C warnings

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

- This release is validated on DM816x REV-A2 DDR2 EVM using following components
 - Code Composer Studio (CCSv4) version 4.2.0.09000
 - Code Generation Tool version 4.5.1
 - Framework Component version 3.20.00.22
 - HDVICP2 API (01.00.00.19)
 - HDVICP2 CSP (Containing CSL) version 00.05.02.00
 - BIOS version 6.30.02.42
 - Codec Engine (CE) version 3.20.00.16
 - XDC tools version 3.20.04.68



Fixed In This Release

- None

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IVAHD_001

MJPEG Decoder

Version 01.00.07

Release Notes

November 2012

Build ID: 01.00.07.00

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

- Refer to Fixed In This Release section

Validation Information

Release Configuration	Description	Validation Platform
IWAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

This release is validated on DM816x REV-A2 DDR2 EVM using following components

- Code Composer Studio (CCSv4) version 4.2.0.09000
- Code Generation Tool version 4.5.1
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00097557	Codec hangs in process call during flush mode in multi-codec scenario	IVAHD_001

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IVAHD_001

MJPEG Decoder

Version 01.00.06

Release Notes

October 2012

Build ID: 01.00.06.00

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

- Support for Limited Pixel Range has been added. For more details, refer User's Guide chapter 11.
- Parameter named "*rangeReduction*" has been added as a part of extended Dynamic parameters. This parameter is used to enable/disable Limited Pixel Range feature.

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

This release is validated on DM816x REV-A2 DDR2 EVM using following components

- Code Composer Studio (CCSv4) version 4.2.0.09000
- Code Generation Tool version 4.5.1
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68



Fixed In This Release

- None

Known Issues

Defect ID	Description	Configuration
SDOC00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IWAHD_001

MJPEG Decoder

Version 01.00.05

Release Notes

July 2012

Build ID: 01.00.05.00

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

- Refer to Fixed In This Release section

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

This release is validated on DM816x REV-A2 DDR2 EVM using following components

- Code Composer Studio (CCSv4) version 4.2.0.09000
- Code Generation Tool version 4.5.1
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00093149	Hang on Media controller can be observed, if SL2 is accessed through buffered region from Media controller	IVAHD_001

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IVAHD_001

MJPEG Decoder

Version 01.00.04

Release Notes

February 2012

Build ID: 01.00.04.00

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

- Refer to Fixed In This Release section

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

This release is validated on DM816x REV-A2 DDR2 EVM using following components

- Code Composer Studio (CCSv4) version 4.2.0.09000
- Code Generation Tool version 4.5.1
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00088898	Linker errors observed for default static and dynamic MJPEG decoder instance objects	IVAHD_001
SDOCM00088899	Decoder populates display width instead of actual frame width in activeFrameRegion	IVAHD_001
SDOCM00088902	In data sheet the frame rate used is not mentioned for performance table	IVAHD_001

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IVAHD_001

MJPEG Decoder

Version 01.00.03

Release Notes

January 2012

Build ID: 01.00.03.00

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

- None

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

This release is validated on DM816x REV-A2 DDR2 EVM using following components

- Code Composer Studio (CCSv4) version 4.2.0.09000
- Code Generation Tool version 4.5.1
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00088325	The extended error codes returned by decoder are different, if the sequence is repeatedly decoded	IVAHD_001
SDOCM00088326	Decoder reports error for a positive frame in a erroneous stream	IVAHD_001
SDOCM00088327	Decoder reports error for a positive frame in the attached erroneous sequence	IVAHD_001
SDOCM00088328	Decoder reports errors for each frame of a sequence when run after a positive test case	IVAHD_001
SDOCM00088329	Decoder reports error for positive frames after decoding erroneous frames	IVAHD_001
SDOCM00088330	Decoder does not decode the subsequent frames after frame number 144 in the attached sequence	IVAHD_001

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IVAHD_001

MJPEG Decoder

Version 01.00.02

Release Notes

December 2011

Build ID: 01.00.02.00

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

- None

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

This release is validated on DM816x REV-A2 DDR2 EVM using following components

- Code Composer Studio (CCSv4) version 4.2.0.09000
- Code Generation Tool version 4.5.1
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00086562	IsGrayFlag is not updated in extended OutArgs structure	IWAHD_001

Known Issues

Defect ID	Description	Configuration
SDOCM00086371	Decoding of corrupted JPEG image takes significantly higher mega cycles when error concealment is enabled	IWAHD_001

MJPEG Decoder

Version 01.00.01

Release Notes

September 2011

Build ID: 01.00.01.00

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

- Added support for returning non-FATAL error for un-supported resolutions

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

This release is validated on DM816x REV-A2 DDR2 EVM using following components

- Code Composer Studio (CCSv4) version 4.2.0.09000
- Code Generation Tool version 4.5.1
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

Defect ID	Description	Configuration
SDOCM00080620	Software Fix for ECD-3 DMA-HALT issue	IVAHD_001
SDOCM00083702	Test Application makefile referes to CSP_DIR in include path	IVAHD_001
SDOCM00084391	Error stream hanging in mjpeg decoder	IVAHD_001
SDOCM00084398	Default parameter values for JPEG instance objects are not exported in the interface file.	IVAHD_001

Known Issues

- None

MJPEG Decoder

Version 01.00.00

Release Notes

April 2011

Build ID: 01.00.00.00

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

- This is first release. Please refer data sheet for detailed feature list

Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM [User Guide] [Data Sheet]

This release is validated on DM816x REV-A2 DDR2 EVM using following components

- Code Composer Studio (CCSv4) version 4.2.0.09000
- Code Generation Tool version 4.5.1
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- HDVICP2 CSP (Containing CSL) version 00.05.02.00
- BIOS version 6.30.02.42
- Codec Engine (CE) version 3.20.00.16
- XDC tools version 3.20.04.68

Fixed In This Release

- None

Known Issues

- None

