

# **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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

- 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 iva_hd_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
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

- 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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

- 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	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 01.00.09**

### **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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

- 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	IVAHD_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
IWAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

- 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
IVAHD_001	MJPEG Decoder which runs on HDVICP2 and Media Controller based SoC	DM816x REV-A2 DDR2 EVM <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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	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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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	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 01.00.01**

### **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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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