

# H.264 High Profile Decoder

## Version 02.00.20

### Release Notes

**February 2016**

#### Build ID: 02.00.20.01

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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 3.20.00.22
- 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



## Fixed In This Release

Defect ID	Description	Applicable Release Configuration
OMAPS00330524	In multichannel case H.264 decoder hangs if run with multiple codes with H.264 decoder as more than 2 channels after FLUSH call.	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001
SDOCM00115417	If there is no reference frame available, decoder is not throwing any error to indicate the non-availability of reference frame.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.19

### Release Notes

**January 2016**

#### Build ID: 02.00.19.01

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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 3.20.00.22
- 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



## Fixed In This Release

Defect ID	Description	Applicable Release Configuration
OMAPS00328313	When player is paused for more than 10 seconds, screen freezes.	IVAHD_001
SDOCM00121006	Decoder sets handle to NULL when it calls putDataFxn callback.	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001
SDOCM00115417	If there is no reference frame available, decoder is not throwing any error to indicate the non-availability of reference frame.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.18

### Release Notes

**October 2015**

#### Build ID: 02.00.18.01

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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 3.20.00.22
- 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	Applicable Release Configuration
SDOCM00119802	Display Frames are out of order with display-delay 2	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001
SDOCM00115417	If there is no reference frame available, decoder is not throwing any error to indicate the non-availability of reference frame.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.17

### Release Notes

**April 2015**

#### Build ID: 02.00.17.01

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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 3.20.00.22
- 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	Applicable Release Configuration
SDOCM00115416	Corrected the contentType returned through XDM_GETSTATUS call	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001
SDOCM00115417	If there is no reference frame available, decoder is not throwing any error to indicate the non-availability of reference frame.	IVAHD_001



# H.264 High Profile Decoder

## Version 02.00.16

### Release Notes

**January 2015**

#### Build ID: 02.00.16.01

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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 3.20.00.22
- HDVICP2 API (01.00.00.23)



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- 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	Applicable Release Configuration
SDOCM00113238	IVAHD SL2 programme memory corruption issue in multi – instance case on J6	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.15

### Release Notes

**December 2013**

#### Build ID: 02.00.15.01

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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 3.20.00.22
- 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	Applicable Release Configuration
SDOCM00103856	H264 decoder reports incorrect bytesConsumed after parsing SPS+PPS+SEI	IVAHD_001
SDOCM00105011	In the Data-Sheet, bit-rates mentioned for only I and IPP streams are wrong.	IVAHD_001

### Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.14

### Release Notes

**September 2013**

#### Build ID: 02.00.14.00

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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 3.20.00.22
- HDVICP2 API (01.00.00.21)
- 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



## Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00103815	IVA DPLL locking issue on J6	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.13

### Release Notes

**August 2013**

#### Build ID: 02.00.13.00

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

- H264 Decoder Media Controller library is compiled with Code Generation tools v5.0.3

#### Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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 3.20.00.22
- HDVICP2 API (01.00.00.21)
- 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



## Fixed In This Release

None

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001



# H.264 High Profile Decoder

## Version 02.00.12

### Release Notes

**August 2013**

#### Build ID: 02.00.12.00

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- 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	Applicable Release Configuration
SDOCM00102980	POC order matching for consecutive frames during seek operation	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.11

### Release Notes

**August 2013**

#### Build ID: 02.00.11.00

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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
- Framework Component version 3.20.00.22
- HDVICP2 API (01.00.00.19)
- 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	Applicable Release Configuration
SDOCM00102580	H264 decoder loses buffer on XDM_UNSUPPORTED error	IVAHD_001
SDOCM00102579	In Interlaced coding, if flush is called after one field decoding, the decoder is not freeing the output buffer of next frame	IVAHD_001
SDOCM00100509	Watermark decrypted keys were mismatching when tested with display delay 0 and streams which has non reference Pframes	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.10

### Release Notes

**March 2013**

#### Build ID: 02.00.10.00

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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	Applicable Release Configuration
SDOCM00096552	Performance/DDR bandwidth is increase in case of Dual output enabled.	IVAHD_001
SDOCM00098465	In high resolution flow(more 2kx2k) error recovery for the attached stream is not proper	IVAHD_001
SDOCM00098591	In UserGuide, Interlaced related FAQ needs to be changed	IVAHD_001
SDOCM00098715	Incase of interlaced coding, frame jittering is observed in output YUV when there is a frame loss(Gaps in frame number)	IVAHD_001
SDOCM00099840	Decoder is not able to decode the attached SVC-T streams	IVAHD_001
SDOCM00099847	During VUI decoding, sar_width and sar_height is not updated for all the valid cases of aspect_ratio_idc	IVAHD_001
SDOCM00099841	In two stage booting code, SL2 address which is used as scratch is not properly aligned	IVAHD_001
SDOCM00099935	The variable MB_Number in SL2 is accessed uninitialized in high resolution flow(more than 2K) of decoder	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.09

### Release Notes

**November 2012**

#### Build ID: 02.00.09.00

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

- Refer to Fixed In This Release section.

#### Validation Information

Release Configuration	Description	Validation Platform
IVAHD_ 001	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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	Applicable Release Configuration
SDOCM00097721	Observed visual artifacts for a particular error stream	IVAHD_001
OMAPS00283422	Output in decode order rather than in display order	IVAHD_001
OMAPS00277671	POC disorder issue – Output is in jumbled order when multiple pictures has same POC value	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001



# H.264 High Profile Decoder

## Version 02.00.08

### Release Notes

**October 2012**

#### Build ID: 02.00.08.00

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

- Added software support to decode maximum picture width upto 4320.
- Refer to Fixed In This Release section.

#### Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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	Applicable Release Configuration
SDOCM00092318	The value for extended status param "spsMaxRefFrames" is not as expected in case of SPS absence in stream	IVAHD_001
SDOCM00091594	Report non-cropped width & Height values in XDM_GETSTATUS control call	IVAHD_001
SDOCM00096063	In UserGuide, datatypes mentioned for the variables in the structure "sVuiParams" were different with the data types present in the code	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001
SDOCM00096998	On Netra DM816x DDR2 some streams(more than 4k width, mostly for MBAFF streams)output is mismatching with the JM reference.	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.07

### Release Notes

**August 2012**

#### Build ID: 02.00.07.00

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

- Removed redundant memory allocation for MBInfo in case of High-Res I, I/P frame only mode.
- Refer to Fixed In This Release section.

#### Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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



## Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00094309	Fatal error returned from codec when there is packet loss	IVAHD_001
SDOCM00094681	Frame jittering is observed in output YUV when there is a frame loss(Gaps in frame number)	IVAHD_001
SDOCM00094763	Decoder is accessing uninitialized variables in DPB(FrameNumWrap) incase of error streams	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.06

### Release Notes

**July 2012**

#### Build ID: 02.00.06.00

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

- Implemented a new feature to support decoding only I/IDR or IP frame types with less create time memory footprint. Included a new create time parameter “decodeFrameType” for selecting particular frame types(I/IDR or IP or all) to decode.
- Refer to Fixed In This Release section.

#### Validation Information

Release Configuration	Description	Validation Platform
IVAHD_001	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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



## Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00093810	The folders names of lib and inc has been changed as Lib and Inc	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001

# H.264 High Profile Decoder

## Version 02.00.05

### Release Notes

**June 2012**

#### Build ID: 02.00.05.00

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	H264 High Profile Decoder, which runs on HDVICP2 and Media Controller based SoCs	DM816x REV-A2 DDR2 EVM <a href="#">[Data Sheet]</a> <a href="#">[User Guide]</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	Applicable Release Configuration
SDOCM00092687	Alignment issues in SL2 for source code users	IVAHD_001
SDOCM00093429	Mismatch is observed in case of high resolution(more than 2k) for fake interlaced streams.	IVAHD_001
SDOCM00092830	H264 decoder freeBufID population logic is not working properly with certain erroneous cases	IVAHD_001
SDOCM00092698	Hang on Media controller can be observed, if SL2 is accessed through buffered region from Media controller	IVAHD_001
SDOCM00092930	Description about the ordering of display buffer in case of Dual YUV is missing in User guide.	IVAHD_001
SDOCM00093036	Incorrect details about MBAFF support in DataSheet	IVAHD_001

## Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00081829	Corrupted stream (complicated GOP structure and continuous frame losses) is having out of order display	IVAHD_001
SDOCM00083988	make batch file may not work on windows 7	IVAHD_001
SDOCM00084191	High MegaPixel streams' output is not bit-exact with reference on Simulator. The EVM outputs match with reference.	IVAHD_001
SDOCM00089122	Bit miss match issue observed in multi instance scenario when tested in Dango test framework	IVAHD_001
SDOCM00087799	In case of specific error streams where the DPB gets corrupted the H264 Decoder will throw out error 0x1423 for all the subsequent frames of the stream	IVAHD_001