MPEG4 HDVICP Simple Profile Encoder Version 02.00.00

Release Notes

November 2011

Build ID: 02.00.00.10

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

- Resync marker (packet mode) support extended to full HD (1920x1088) resolution. Earlier support was limited to CIF (352x288).

Validation Information

Release Configuration	Description	Validation Platform
210_V_MPEG4_E_02_00	MPEG4 HDVICP Simple Profile Encoder on DM365 EVM	DM365 EVM [Datasheet] [User Guide]

This release is validated on the following:

- DM365 EVM on LINUX
    - Framework components Version 2.24.01.06
    - XDC tools Version 3.15.00.12
    - Codec Engine 2.24
    - BIOS Version 5.32.00.02
    - LSP Release Version 02.10.00.08
    - MVL tool chain Version 5.0

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None		210_V_MPEG4_E_02_00

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00065202	Encoder does not support stuffing bits and therefore may fail to meet target bitrates if bitrate is very high, even after quantization parameter saturates to lowest possible value of 2.	210_V_MPEG4_E_02_00

April 2011

Build ID: 02.00.00.09

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 over last release

Validation Information

Release Configuration	Description	Validation Platform
210_V_MPEG4_E_02_00	MPEG4 HDVICP Simple Profile Encoder on DM365 EVM	DM365 EVM [Datasheet] [User Guide]

This release is validated on the following:

- DM365 EVM on LINUX

  − Framework components Version 2.24.01.06

  − XDC tools Version 3.15.00.12

  − Codec Engine 2.24

  − BIOS Version 5.32.00.02

  − LSP Release Version 02.10.00.08

  − MVL tool chain Version 5.0

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None	Fixed issues in encoding pictures with width less than 160 pixels	210_V_MPEG4_E_02_00

Known Issues

TEXAS INSTRUMENTS

Defect ID	Description	Applicable Release Configuration
SDOCM00065202	Encoder does not support stuffing bits and therefore may fail to meet target bitrates if bitrate is very high, even after quantization parameter saturates to lowest possible value of 2.	210_V_MPEG4_E_02_00

MPEG4 HDVICP Simple Profile Encoder
Version 02.00.00

Release Notes

September 2010

Build ID: 02.00.00.08

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 over last release

Validation Information

Release Configuration	Description	Validation Platform
210_V_MPEG4_E_02_00	MPEG4 HDVICP Simple Profile Encoder on DM365 EVM	DM365 EVM [Datasheet] [User Guide]

This release is validated on the following:

- DM365 EVM on LINUX
    - Framework components Version 2.24.01.06
    - XDC tools Version 3.15.00.12
    - Codec Engine 2.24
    - BIOS Version 5.32.00.02
    - LSP Release Version 02.10.00.08
    - MVL tool chain Version 5.0

TEXAS INSTRUMENTS

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00069185	Mpeg4hdvicp encoder generates a corrupted stream when used in H263 mode with useGOBSync set to 1,2,3 and 4 for QCIF resolution.	210_V_MPEG4_E_02_00
SDOCM00067006	"imp4venc.h" of mpeg4 enc and "imp2venc.h" of mpeg2 enc has same declaration of structure "exportMEdata ".	210_V_MPEG4_E_02_00
SDOCM00067964	Dvtb Floating point exception thrown during mpeg4 encode operation when intraFrameInteval set to 0.	210_V_MPEG4_E_02_00
None	Renamed structure definitions in imp4venc.h	210_V_MPEG4_E_02_00

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00065202	Encoder does not support stuffing bits and therefore may fail to meet target bitrates if bitrate is very high, even after quantization parameter saturates to lowest possible value of 2.	210_V_MPEG4_E_02_00

TEXAS INSTRUMENTS

MPEG4 HDVICP Simple Profile Encoder
Version 02.00.00

Release Notes

December 2009

Build ID: 02.00.00.05

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 MPEG4 Simple Profile Encoder on DM365 EVM.

Validation Information

Release Configuration	Description	Validation Platform
210_V_MPEG4_E_02_00	MPEG4 HDVICP Simple Profile Encoder on DM365 EVM	DM365 EVM [Datasheet] [User Guide]

This release is validated on the following:

- DM365 EVM on LINUX
    - Framework components Version 2.24.01.06
    - XDC tools Version 3.15.00.12
    - Codec Engine 2.24
    - BIOS Version 5.32.00.02
    - LSP Release Version 02.10.00.08
    - MVL tool chain Version 5.0

TEXAS INSTRUMENTS

Fixed In This Release

- None

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00065202	Encoder does not support stuffing bits and therefore may fail to meet target bitrates if bitrate is very high, even after quantization parameter saturates to lowest possible value of 2.	210_V_MPEG4_E_02_00

TEXAS INSTRUMENTS