H.264 Base/Main/High Profile Decoder on DM365/DM368 Version 02.00.00

Release Notes

September 2010

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

- Bug fix over build id 02.00.00.05.

Validation Information

Release Configuration	Description	Validation Platform
H264_DEC_02	H.264 Base/Main/High Profile Decoder on DM365 EVM	DM365 EVM [Datasheet] [User Guide]

This release is validated on the following:

- DM365 EVM on LINUX

    - Framework components Version 2.25.02.06

    - XDAIS Version 6.25.02.11

    - LINUXUTILS Version 2.25.04.10

    - XDC tools Version 3.15.01.59

    - Codec Engine 2.24

    - BIOS Version 5.32.00.02

    - LSP Release Version 02.10.00.005

    - MVL tool chain Version 5.0

TEXAS INSTRUMENTS

NOTE: This decoder is validated at a component level with the version of tools mentioned under section Validation Information. The decoder also works with other DM365 compatible versions of the tools.

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00073730	If a P frame is deleted from the encoded stream and then given to DM36x H.264 decoder, the decoder takes lot of time to decode the next frame. Looks like it is spending lot of cycles in error concealment and ARM926 load also increases	210_V_H264AVC_D_02_00
SDOCM00073947	Performance of universal decoder has to be tuned to match its previous version (1.10).	210_V_H264AVC_D_02_00
SDOCM00073558	In Closedloop decoder for slice missing error stream, error concealed output is not good	210_V_H264AVC_D_02_00
SDOCM00073559	H264 decoder is not working for base parameter configuration	210_V_H264AVC_D_02_00

Known Issues

- None

TEXAS INSTRUMENTS

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June 2010

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- New In This Release
- Validation Information
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New In This Release

- Supports optimized decoding of closed loop streams to achieve 1080p@30 frame/1080i@60 fields per sec on DM368.
- Supports low latency interface for universal and closed decoder.
- Header decode mode is upgraded; in this mode frame type, first MB in slice, frame number in slice header are updated in the IH264VDEC_Status for user configured frames

Validation Information

Release Configuration	Description	Validation Platform
H264_DEC_02	H.264 Base/Main/High Profile Decoder 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

    - MVL tool chain 5.0

    - BIOS version 5.32.00.02

    - LSP version 02.10.00.08

TEXAS INSTRUMENTS

NOTE: This decoder is validated at a component level with the above version of tools. But the decoder can also works with other DM365 compatible versions of the tool

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00069475	In universal decoder, blocking artifacts were observed for some streams which used weighted prediction	210_V_H264AVC_D_02_00

Known Issues

- None

TEXAS INSTRUMENTS