

H.264 High Profile Encoder

Version 01.10.00

Release Notes

September 2010

Build ID: 01.10.00.09

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

- None

Validation Information

Release Configuration	Description	Validation Platform
210_V_H264AVC_E_01_10	H.264 High 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
SDOCM00065212	Fixed the issues in dynamic change of intra/IDR frame interval.	210_V_H264AVC_E_01_10

Known Issues

Defect ID	Description	Applicable Release Configuration
SDOCM00055175	Bit rate deviation with Interlaced Encoding, RC tuning required	210_V_H264AVC_E_01_10
SDOCM00055730	Warning related to HRD, minimum compression ratio, slice rate, MB number per sec are observed in syntax analyzer.	210_V_H264AVC_E_01_10
SDOCM00055632	Frame skips are observed with CBR and lower max delay values [viz. 300]	210_V_H264AVC_E_01_10

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Release Notes

December 2009

Build ID: 01.10.00.08

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New In This Release

- Maximum resolution support extended to 2048x2048.
- Maximum level support extended to level 5.0
- Added support for extended error codes.

Validation Information

Release Configuration	Description	Validation Platform
210_V_H264AVC_E_01_10	H.264 High 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
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 - MVL tool chain Version 5.0



Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None	Fixed the output format of motion vector and sad data exported to application as per user guide explanation.	210_V_H264AVC_E_01_10
None	Fixed buffer sizes returned in XDM_GETBUINFO control call for output bit-stream buffer, mv-sad output buffer for interlaced cases and capture width greater than input width.	210_V_H264AVC_E_01_10

Known Issues

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SDOCM00055175	Bit rate deviation with Interlaced Encoding, RC tuning required	210_V_H264AVC_E_01_10
SDOCM00055730	Warning related to HRD, minimum compression ratio, slice rate, MB number per sec are observed in syntax analyzer.	210_V_H264AVC_E_01_10
SDOCM00055632	Frame skips are observed with CBR and lower max delay values [viz. 300]	210_V_H264AVC_E_01_10
SDOCM00065212	Dynamic Intra/IDR frame interval change has issues when changes at any random frame number. It is recommended to change the intra/IDR frame interval only at intra/IDR frame.	210_V_H264AVC_E_01_10