

AVC Intra & Ultra Encoder

Version 01.00.00

Release Notes

August 2012

Build ID: 01.00.00.00

The release note is divided into the following sections:

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New In This Release

- Optimized modules for AVC Intra Case.
- Completed full functional test and bug fixes.
- Added Debug trace feature.
- Added dynamic slice resize algorithm for better performance for encoding AVC Intra 50 streams.

Validation Information

Release Configuration	Description	Validation Platform
C6678_001	AVC Intra & Ultra Encoder on TMS320C6678 platform	TMS320C6678 Evaluation Board [User Guide] [Data Sheet]

This release is validated on TMS320C6678 platform with the following tools:

- Code Composer Studio version 5.1.0.09000
- Code generation tools version 7.3.5
- XDC Tools version 3.22.04.46
- XDAIS version 7.21.01.07
- Framework components version 3.21.3.34
- EDMA3 Low level driver version 2.11.3
- SYS/BIOS version 6.32.5.54



Fixed In This Release

Defect ID	Description	Applicable Release Configuration
None	output stream visually corrupted due to incomplete nal data, in multicore nonavc 8 bit 420 interlaced encode	C6678_001
None	Non-multiple of 16 – encode hangs after few frames for 8-bit 420	C6678_001
None	Bitrate deviation for NonAVC profile in CBR observed is more than 5%	C6678_001
None	XDM default control call fails	C6678_001
None	Bitmatch issues observed between VC and Multicore Framework encoded outputs	C6678_001
None	AVCIU Encoder fails runtime modification of framerate	C6678_001
None	Encoded bitstream is visually corrupt for 444 chromaformat with SeperateColorPlaneFlag disabled	C6678_001
None	Codec hangs for Internal scratch memory corruption for a memTab before algactivate	C6678_001
None	Loopfilter parameters and VUI parameters are not present in the encoded bitstream header	C6678_001
None	AVCIU Encoder uses incorrect parameter condition checks for slave cores in create and process calls	C6678_001
None	Big endian YUV sequences are not encoded properly	C6678_001
None	AVCIU Encoder has symbol clash with H264 encoder	C6678_001

Known Issues

None