H.264 Decoder
Version 01.01.02

Release Notes

January 2014

Build ID: 01.01.02.07

- 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

- Extended HP decoder to use 4-cores for supporting real time decoding of fullHD streams.

- Added support for less than 720p resolutions on 4-core implementation.

- The number of MBs processed concurrently is increased to 8 from 6 and also the BBOX_SIZE to 80KB, to improve the performance.

Validation Information

Release Configuration	Description	Validation Platform
C6678_HP_001	H.264 High Profile Decoder on TMS320C6678 EVM	TMS320C6678 EVM [Datasheet][User Guide]

- This release is validated on the following:
- TMS320C6678 EVM
    - Framework Component (FC) version 3.23.02.16
    - SYS/BIOS^{TM} version 6.33.06.50
    - Code Generation Tool version 7.4.0
    - XDC Tools version 3.23.04.60
    - BIOS IPC version 1.24.03.32

TEXAS INSTRUMENTS

- XDAIS version 7.23.00.06
- EDMA3 LLD version 02.11.05.02

Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00100233	Add support for HD resolutions in H264 HP Decoder	C6678_HP_001
SDOCM00105560	4-Core HP Decoder is not returning proper error codes for some of the Vqual error streams	C6678_HP_001
SDOCM00105559	Buffer management issue reported for 4-Core decoder in e2e	C6678_HP_001
SDOCM00105558	Add support for MAX_NMB = 8 and BBOX_SIZE = 80KB to improve the performance of HP Decoder	C6678_HP_001
SDOCM00104977	C66x H.264 HP Decoder artifacts - Missing DMAwait	C6678_HP_001

Known Issues

- Multiple instances of the codec have not been tested.

Defect ID	Description	Applicable Release Configuration
1	H.264 Decoder fails for vectors containing only 1MB	C6678_HP_001
2	ASO/FMO features not supported	C6678_HP_001
3	Monochrome format is not supported	C6678_HP_001
SDOCM00105907	Help e2e user on 4-core decoder questions	C6678_HP_001

TEXAS INSTRUMENTS