

# H264 High Profile Encoder

## Version 01.00.01

### Release Notes

**August 2013**

#### Build ID: 01.00.01.04

The release note is divided into the following sections:

- [New In This Release](#)
- [Validation Information](#)
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#### New In This Release

- Bug fixes, optimizations in scaling matrix flow
- Video quality improvement

#### Validation Information

Release Configuration	Description	Validation Platform
C6678_001	H264 Encoder on TMS320C6678 platform	TMS320C6678 <a href="#">[User Guide]</a> <a href="#">[Data Sheet]</a>

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

- Code Composer Studio version 5.2.1.00018
- Code generation tools version 7.4.1
- XDC Tools version 3.23.04.60
- XDAIS version 7.23.00.06
- Framework components version 3.23.02.16
- SYS/BIOS version 6.33.06.50
- EDMA3 LLD version 2.11.05.02
- IPC Tools version 1.24.03.32



## Fixed In This Release

Defect ID	Description	Applicable Release Configuration
SDOCM00101859	H264HP encoder: shared memory regions cannot be freed	C6678_001
SDOCM00101551	H264 HP Slow VQ recovery after Scene Change	C6678_001
SDOCM00101543	RateControlParamPreset=0 shows artifacts in skip frames	C6678_001
SDOCM00101369	MCPS exceeds 1250MHz when running 2 channels of 720p30 H264HP encoding @ 4Mbps	C6678_001
SDOCM00100893	Pulsation/stuttering effect due to excessive skip frames	C6678_001
SDOCM00100891	Wrong MB (Chroma)	C6678_001
SDOCM00100890	Blockiness and Ghosting at Scene change	C6678_001
SDOCM00100889	Blockiness in High motion	C6678_001
SDOCM00100888	Gradual Scene Change reduced quality	C6678_001
SDOCM00100490	H264 HP encoder performance is not real time at initial 2 seconds	C6678_001
SDOCM00100487	Artifacts in H.264 HP encoder caused by another encoder on another core	C6678_001
SDOCM00100485	Wrong buffer released during FLUSH operation	C6678_001
SDOCM00100437	H264 HP encoder scaling matrix flow is not optimized	C6678_001
SDOCM00100436	H264 Encoder video quality assessment	C6678_001
SDOCM00100435	H264 HP encoder scaling matrix flow is not optimized	C6678_001
SDOCM00100434	H264 HP encoder does not support slice level call back functions	C6678_001
SDOCM00098796	Compilation errors observed for H264 HP encoder version 01.00.00.01	C6678_001