

DSP/BIOS Histogram Device Driver

Release 1.10.03

Release Note

April 16, 2009

The product release note in this document is for DM6437 DSP/BIOS Histogram Device Driver, which is a part of the DM6437 BIOS package.

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1 General information

The Histogram device driver included in this release package supports h/w capabilities of DSP histogram peripheral device.

The driver supports input from CCDC only.

The driver is based on PSP architecture that allows for easy customization/extension. The driver supports buffer management. The driver supports single channel only.

Driver code in this release is MISRAC compliant.

2 New In This Release

- None.

3 System Requirements

Details about the tools and the BIOS version that the driver is compatible with can be found in the system Release Notes.

4 Installation and Usage

1. Install BIOS package as per instructions provided along with the package.
2. Histogram Device driver sources are available in `<root>\packages\ti\sdo\pspdriers\drivers\histogram` folder.
3. Compile the Histogram project file given in build directory to build the debug/idebug/release/irelease library.
4. Sample application/test code is provided in `<root>packages\ti\sdo\pspdriers\system\dm6437\bios\evmDM6437\video\sample` folder. Please refer to '[TII DM6437-VPSS_Histogram_Appnote.pdf](#)' for further details.

5 Uninstallation

1. Un-install the Driver package as per instructions provided with the package.

6 Adding instance of the device driver

To have Histogram device driver included in the application, it is required to add the TCI file i.e. "dm6437_histogram.tci" in the TCF file of the application. Refer to section 5 in DM6437_BIOS_PSP_Release_Notes.pdf.

7 Fixed In This Release

None

8 Known Issues

1.	MISRA C Compliance
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<p>Release Note</p> <p>The source code, contained in this release, is MISRA C Compliant with some waivers and some bugs in the tool.</p>
<p>Workaround</p> <p>None</p>

2.	Histogram known issues
<p>Release Note</p> <p>Histogram stress test is pending.</p>	
<p>Workaround</p> <p>None</p>	

9 Revision history

Date	Author	Comments	Version
December 4, 2006	EI5	Post-silicon release 0.3.0 with VPSS	1.1
December 11, 2006	EI5	Post-silicon release 0.3.0 with VPSS, Previewer is tested with On-the-fly mode	1.2
December 26, 2006	EI5	Post-silicon release 0.3.0 with VPSS	1.3
January 2, 2007	EI5	Post-silicon release 0.4.0	1.4
January 16, 2007	EI5	Post-silicon release 0.4.1	1.5
January 25, 2007	EI5	Post-silicon release 0.5.0	1.6
March 22, 2007	EI6	Post-silicon release 0.6.0	1.7
April 25, 2007	EI6	Post-silicon release 0.7.0	1.8
May 8, 2007	EI6	Post-silicon release GA 1.0.0	1.9
June 22, 2007	Anuj Aggarwal	GA Patch Release 1	1.00.01
June 29, 2007	Amit	Modified Release Version	1.00.02

Chatterjee

July 18, 2007	Maulik Desai	Modified Release Version	1.00.03
November 29, 2007	Sivaraj R	PSP merge package changes - modified release version and directory structure changes	1.00.04
January 14, 2008	Sivaraj R	PSP_HIST_IOCTL_SET_SEM_TIMEOUT IOCTL added	1.00.05
May 28, 2008	M Sriram	Updated for release 1.10.01	1.00.06
