

# Release Notes

DRIVER VERSION: 15.33.8.64.3345

DATE: November 27, 2013

## SUMMARY:

This document provides information about Intel's Graphics Driver for Microsoft Windows\* 8.1, Microsoft Windows\* 8 and Microsoft Windows\* 7 operating systems. This Intel Graphics driver version for Windows\* 8.1, Microsoft Windows\* 8 and Microsoft Windows\* 7 supports 3rd and 4th Generation Intel® Core™ Processors with Intel® Iris™ and HD Graphics and select Pentium®/Celeron® Processors with Intel® HD Graphics. We continuously strive to improve the quality of our products to better serve our users and appreciate [feedback](#) on any issues you discover and [suggestions](#) for future driver releases.

## SUPPORTED PRODUCTS:

### SOFTWARE

This driver supports 64-bit variants of Windows\* 8.1, Microsoft Windows\* 8 and Microsoft Windows\* 7 operating systems.

### HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics <sup>1</sup>	DirectX* <sup>2</sup>	OpenGL*	OpenCL*	Intel® Quick Sync Video	Intel® Wireless Display	Intel® Insider™	InTru™ 3D	Intel® Clear Video HD Technology
4th Generation Intel® Core™ Processors with Intel® Iris™ Pro Graphics 5200	11.1	4.2	1.2	Yes	Yes <sup>3,4</sup>	Yes	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® Iris™ Graphics 5100	11.1	4.2	1.2	Yes	Yes <sup>3,4</sup>	Yes	Yes	Yes
4th Generation Intel® Core™ Processors with Intel® HD Graphics 5000/4600/4400/4200	11.1	4.2	1.2	Yes	Yes <sup>3,4</sup>	Yes	Yes	Yes
3rd Generation Intel® Core™ Processors with Intel® HD Graphics 4000/2500	11.0	4.0	1.2	Yes	Yes <sup>3,4</sup>	Yes	Yes	Yes
Intel® Pentium® Processor 2020M/2030M/2117U/2129Y/2127U/A1018/G2010/G2020/G2020T/G2030/G2030T/G2100T/G2120/G2120T/G2130/G2140 with Intel® HD Graphics	11.0	4.0	No	No	No	No	No	No
Intel® Pentium® Processor 3560Y/3556U/3550M/G3220/G3220T/G3320TE/G3420/G3420T/G3430 with Intel® HD Graphics	11.1	4.2	No	No	No	No	No	No

Intel® Celeron® Processor 927UE/1000M/ 1005M/1007U/1017U/1019Y/1020E/ 1020M/1037U/1047UE/G1610/G1620/ G1620T/G1610T/G1630 with Intel® HD Graphics	11.0	4.0	No	No	No	No	No	No
Intel® Celeron® Processor 2980/2955U/ 2950M with Intel® HD Graphics	11.1	4.2	No	No	No	No	No	No

**Note:**

1. If you are uncertain which Intel processor is in your computer, Intel recommends using the [Intel Processor Identification Utility](#) or [Intel Driver Update Utility](#) to identify your Intel processor.
2. In the Intel® Iris™ and HD Graphics Control Panel (under Options > Options menu > Information Center), the 'Installed DirectX\* version' refers to the operating system's DirectX version. The Information Center's 'Supported DirectX\* Version' refers to the Intel Graphics Driver's supported DirectX version.
3. The Intel® Wireless Display software application is available only for Microsoft Windows 7 and Windows 8 operating systems.
4. Intel Wireless Display native Miracast\* support under Windows 8.1 is now supported through the operating system's Charms menu. For more information, see the [Miracast FAQ](#).

**CONTENTS OF THE PACKAGE:**

- Intel® Iris™ and HD Graphics Driver
- Intel® Display Audio Driver
- Intel® Media SDK Runtime
- Intel® OpenCL\* Driver
- Intel® Graphics Control Panel

**NEW FEATURES :**

- Intel® Wireless Display native Miracast\* support for wireless streaming on Windows 8.1.
- DirectX\* 9 Optimizations

**ISSUES FIXED:**

The following issues were fixed on 3<sup>rd</sup> Generation Intel Core Processors/ 4<sup>th</sup> Generation Intel Core Processors:

Resolved display corruption seen when capturing video with Windows* 8.1 operating system camera application with stabilization turned on	Windows* 8.1
Resolved Blue Screen issue seen with message "Your PC ran into a problem and needs to restart. We're just collecting some error info, and then you can restart" when hot docking and undocking system with a display device connected to the DisplayPort	Windows* 8.1
Resolved black screen occurring when resuming from an automatic monitor off scenario	Windows* 8.1
Resolved driver crash caused while minimizing the Minecraft* window	Windows* 8.1
Resolved the issue where the 'Built-in display' is off, after resuming system from sleep state	Windows* 8.1
Resolved video black out while playing a content protected DVD	Windows* 7

Resolved the Intel Display Audio upgrade failure while upgrading the graphics driver	Windows* 8, Windows* 7
While playing video via Windows Media Player*, resolved error message "Display driver stopped responding and has recovered" seen after resizing the window or changing the rotation orientation.	Windows* 8.1
Resolved abnormal right edge seen while Skype* video chatting in snap mode	Windows* 8.1
Resolved the issue when sporadically external monitor is not turned on while resuming from Sleep	Windows* 8, Windows* 7
Resolved the issue where after changing the default hot key combinations in the Intel® Graphics Control Panel, the new hot key combinations would not function	Windows* 8
Resolved the sporadic flicker seen while minimizing a window with Intel® Display Power Saving Technology (Intel® DPST) switched on	Windows* 8
Resolved issue when resuming from system sleep, sometimes external monitor is not turned on	Windows* 8.1, Windows* 7
Resolved issue where Intel® Dynamic Refresh Rate Switching Technology (Intel® DRRS Technology) function would be lost after disabling the Intel Display power saving technology (Intel DPST) in the Graphics Control panel	Windows* 8, Windows* 7
Resolved issue where Civilization* 5 game hang or crash was observed	Windows* 8

## APPLICATIONS TO BE UPDATED:

It is recommended to upgrade the below list of applications to avoid any unexpected issues.

- 3DMark11\*: Upgrade to 1.0.3 or later
- Batman Arkham City\*: Upgrade to the latest patch
- Mafia 2\*: Upgrade to the latest patch
- Company of Heroes\*: Upgrade to 2.101 and update Opposing Fronts to 2.500 or Tales of Valor to 2.601
- HomeFront\*: Upgrade to 1.0.5 or later
- Unigine Heaven\*: Upgrade to 2.5 or later
- Battlefield 3\*: Upgrade to latest patch

## KNOWN ISSUES:

- Intel® Iris™ and HD Graphics Control Panel may report incorrect DirectX\* version. Please use the Hardware table above as a reference for supported APIs and features.
- Windows Media Player\* 11 application: Blocky corruption may be seen when switching between windows and full screen mode on 4th Generation Intel® Core™ Processor based on Mobile U-Processor Line
- Google Earth\* application: Display corruption may be seen when activating ground level view.
- Preview image in Intel® Graphics Control Panel is stretched when rotating the screen 90 degrees.
- When setting the display panel scaling using a hot-key, the setting does not match in the Intel® Graphics Control Panel.
- Slight corruption might be seen while dragging a window to the edge of the screen in Collage mode.
- Flickering might be seen while running Need for Speed Hot Pursuit 2\* on Microsoft Windows\* 8

- Double mouse cursor may be seen when using a wirelessly connected display if the Intel® Graphics Driver is disabled/enabled in the Windows Device Manager
- On Windows\* 8.1, mouse cursor's appearance is different and sporadically disappears when using a wirelessly connected display
- On Windows\* 8.1, Second Life\* game crashes when attempting to play
- When attempting to run Oil Rush\* game, the game or application might crash
- With a three display configuration with video playing on the wirelessly connected display, the image might freeze in case the wirelessly connected display is repeatedly unplugged and plugged back
- Image freeze might be observed while changing display configuration with a display connected using Miracast

\*Other names and brands may be claimed as the property of others.