

Software Evaluation Guide for CyberLink MediaEspresso 6.5*



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About this Document

This document is a guide measuring performance of Intel® processors on application software. The primary audience for this document includes individuals, publications, OEMs and technical analysts whose goal is to test or evaluate the performance benefits and features of Intel processors. If there are questions that are not answered here on software application performance evaluation of Intel processors, please contact your Intel representative.

Each software application test measures different aspects of processor and/or system performance. While no single numerical measurement can completely describe the performance of a complex device like a microprocessor or a personal computer, application tests can be useful tools for comparing different components and systems. The following results and procedures give a glimpse of the performance of certain software applications, however your own usage of each application may vary from what is shown here. The only totally accurate way to measure the performance of your system, is to test the actual software applications you use, in the way you use them, on your computer system. Test results published by Intel are measured on specific systems or components using specific hardware and software configurations, and any differences between those configurations (including software) and your configuration may make those results inapplicable to your component or system.

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Chapter 1

CyberLink MediaEspresso 6.5*

1.0 Software Description

CyberLink MediaEspresso 6.5 is described by the manufacturer as an “ultra fast universal media convert” which has been optimized for Intel Core™ i3, i5, and i7, NVIDIA® CUDA™, & ATI® Stream™ for fast performances.” This version of the software has also been optimized for Intel Quick Sync.

Source: http://www.cyberlink.com/products/mediaespresso/overview_en_US.html

1.1 Test Workload Description

The workload file is a 6 minute, ~1GB, 1920x1080p, 23738 kbps, MOV video file that one would have obtained from an iPhone 4S. The file is transcoded to a smaller 640x360, H.264, .MP4 file for reduced file size during internet transfers or for viewing on a portable device with lower resolution such as an iPod.

Chapter 2

Procedure for Evaluating Performance in CyberLink MediaEspresso 6.5*

The following is a procedure for evaluating performance in CyberLink MediaEspresso 6.5

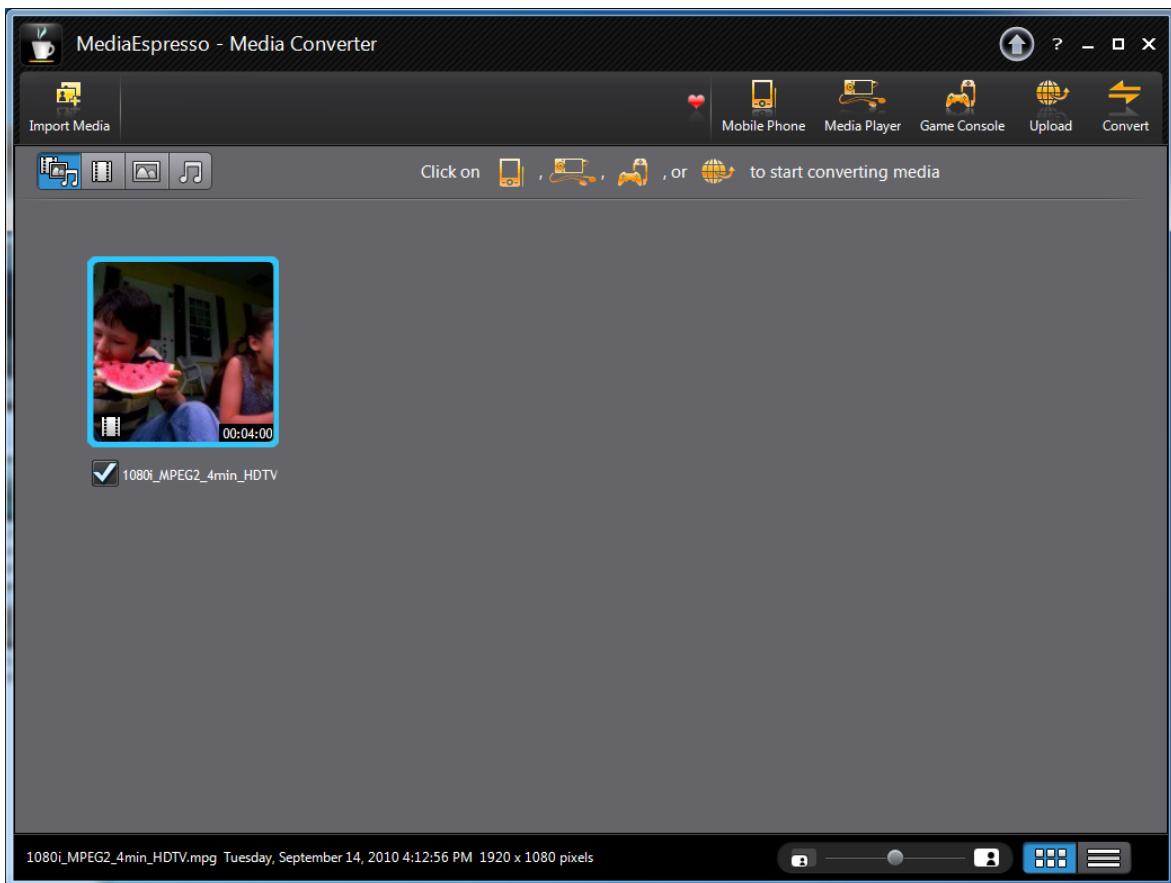
1. Install the latest graphics drivers.

Note: If you are using an AMD/ATI card, it is recommended to also install the Avivo Package. In the Catalyst Control Center, checkmark "Enable acceleration" under Video Converter.

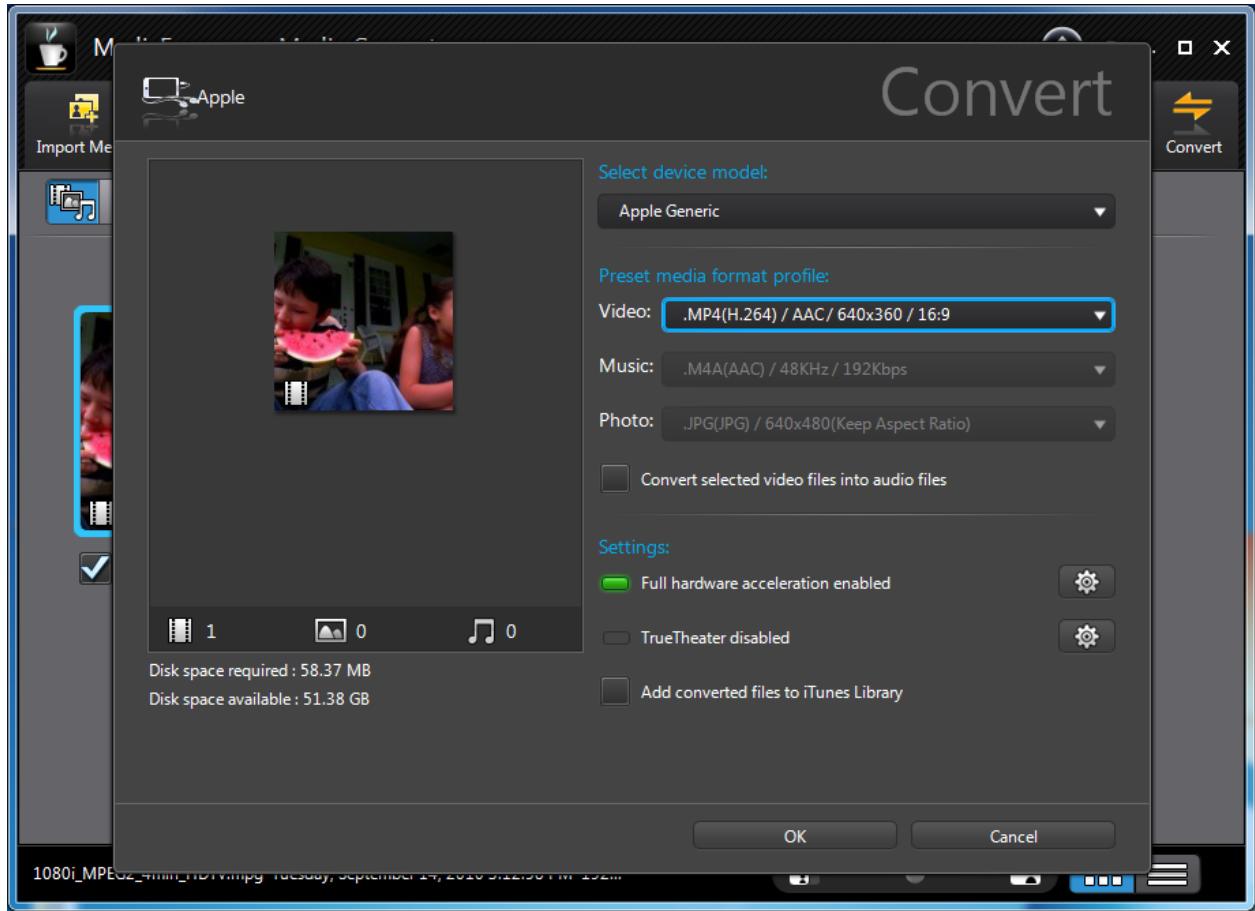
2. Install CyberLink MediaEspresso 6.5 with default installation options.
3. Open CyberLink MediaEspresso 6.5.
4. Checkmark "Do not show tips next time" and close the sub window
5. Click on the icon of the coffee mug and select Settings. Under the Performance section checkmark "Enable hardware encoding" and "Enable hardware decoding" if they are not grayed out and press OK.

Note: Depending on your graphics solution, some options may not be selectable. If an option is not available but should be, reinstalling the graphics driver may be the solution.

6. Drag the workload file into MediaEspresso and make sure the file is checkmarked.

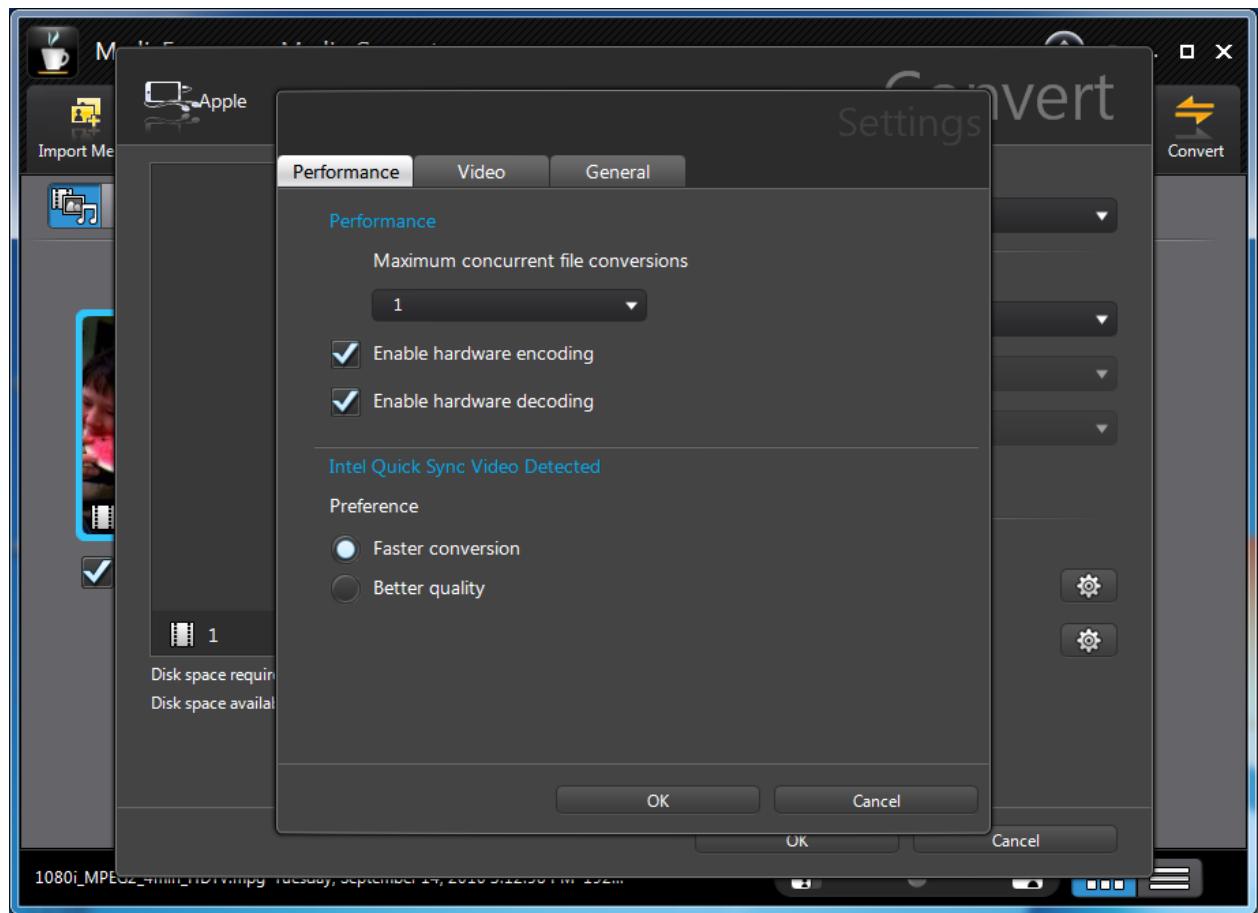


7. Select "Mobile Phone"
8. Select the device as an Apple Generic and select ".MP4(H.264 / AAC / 640x360 / 16:9)" from the Video drop-down menu.

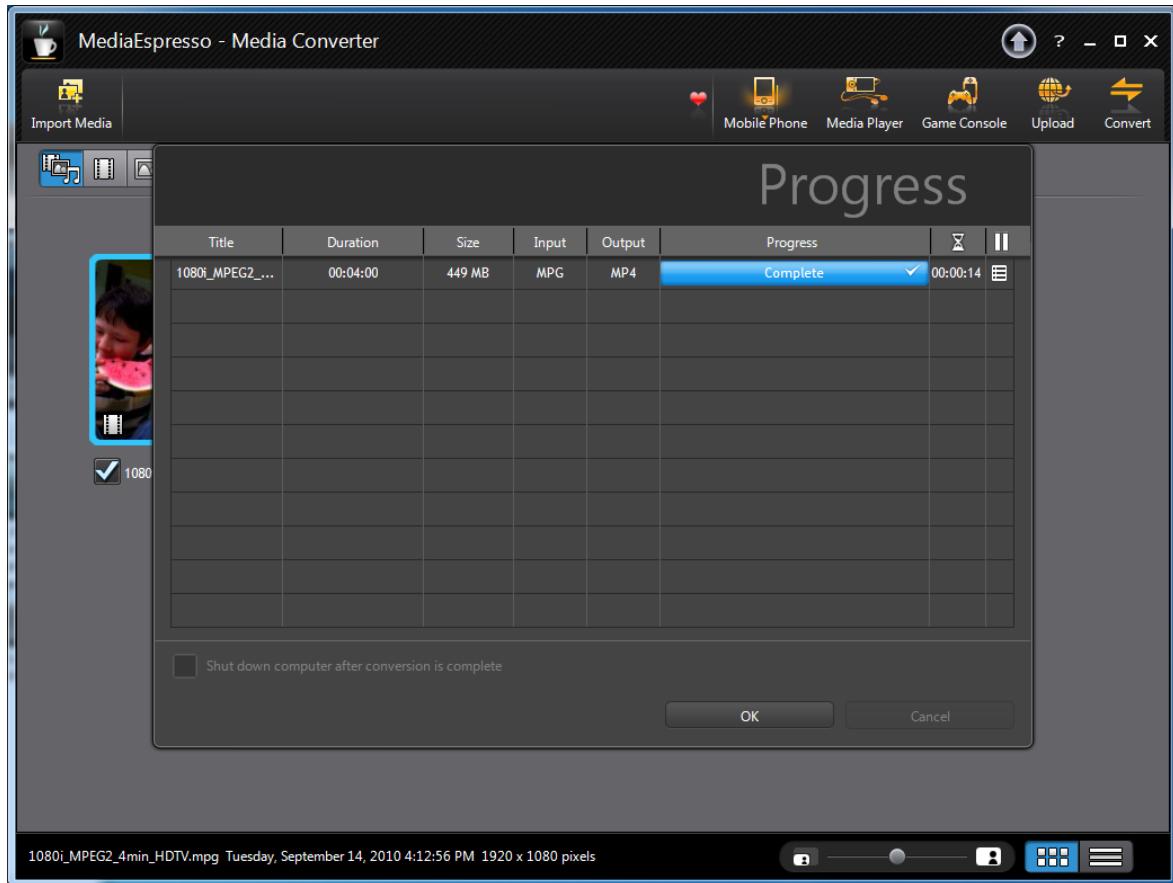


9. Selecting the first icons under settings option

< Enable hardware encoding > and < Enable hardware decoding > make sure they are checkmark if they not grayed out.



10. Press "OK" to close.
11. Press "OK" to begin transcode.
12. Record the time when the progress bar says "Complete." This is the elapsed time for the transcode.



13. Locate and delete the output file.

Note: It is recommended to play the output file to make sure it is as expected.

14. Repeat steps 6-11 four more times and take the median of the 5 measured run times.