Software Evaluation Guide ArcSoft* MediaConverter 7 and Bibble* Lite 5.1.1

http://www.intel.com/content/www/us/en/benchmarks/resources-performance-documents.html

About this Document

This document is a guide measuring performance of the 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 the Intel® Processors. If there are questions that are not answered here on software application performance evaluation of the 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.

Software application tests are, at most, only one kind of information that you may use during the purchasing process. To get a true picture of the performance of a component or system you are considering purchasing, you must consult other sources of information (such as performance information on the exact system you are considering purchasing). If you have any questions about the performance of any Intel microprocessor, please view the detailed performance briefs and reports published by Intel or call Intel at (US) 1-800-628-8686 or 916-356-3104.

Chapter 1

Processor Performance on ArcSoft* MediaConverter 7 and Bibble* Lite 5.1.1

1.0 Software Description

ArcSoft* MediaConverter 7 is an easy-to-use all-in-one multimedia file converter. This utility quickly and effortlessly converts multimedia files into formats optimized for use on your mobile phone, PMP, TV, and many other popular devices.
Source:http://www.arcsoft.com/estore/software_title.asp?ProductCode=amc7

Bibble* Lite 5.5.1 is a multithreaded photographic editing tool. It enables users complete editing to either entire or selected portions of pictures, asset management, and flexible workflows. For more information go to http://www.bibblelabs.com.

1.1 Test Workflow/Workload Description

Jessica recently attended her 10 year high school reunion. She took countless pictures and videos of her class. She wanted to transfer the photos and the videos to her iPhone 4. Jessica used Bible Lite* 5.1.1 to convert the RAW format photos JPEG format. The application measured 200 8.2MP images in RAW format. The total size of all the photos was 2.53 GB, and images were converted to JPEG format using default settings. For the video conversion, Jessica used ArcSoft Media Converter 7. The media converter input was 1.7GB, and took 15min 8 sec to convert a 1080i MPEG2 video clip (similar to that obtained by a DVR) to a 480x320 MP4 suitable for iPhone 4.

Chapter 2

Procedure for Evaluating Performance Bibble* Lite 5.1.1 and ArcSoft* MediaConverter 7

The following is a procedure for evaluating performance in the first portion of the workflow with Bibble* Lite 5.1.1 and ArcSoft* MediaConverter 7.

Install Instructions

1. Install applications with default options
2. Copy workload files to local drive and unzip video clip.
3. Start Bibble
4. Select Bibble Lite Trial
5. Set folders (click OK)
6. Import files in workload folder (File->import photos from folder and select the 200 NEFS folder under the workload folder)
7. Wait until import and preview generation process is done
8. select Library tap on the left pane
9. Close the application
10. Open ArcSoft Media Converter
11. If using Core 2011 CPU Ensure "Use Intel(R) Media SDK" is checked (dropdown directly next to the CPU utilization meter)
12. Click "Output" (upper right frame)
13. Select "iPhone 4" template
14. Click "Settings" (lower right frame)
15. Select output quality of "480x320 - 768kbps" and "OK" to save changes
16. Click folder icon above the settings
17. Select Testout folder under the workload folder
18. Close the application

Run Instructions

1. Open ArcSoft Media Converter
2. Drag workload file "MediaConverterInput.mpg" to the center frame of the application and release.
3. Open Bibble
4. Select Bibble Lite Trial
5. click Edit->select All
6. click File->Save File AS
7. Select Testout folder under the workload folder. DO NOT CLICK OK YET.
8. Click "Start" (Bottom frame) on ArcSoft Media Converter
9. Click "OK" on Bibble folder selection window
10. Monitor the progress bar (lower left frame) on Bibble. Take the result from the pop up box once the export is done.
11. Wait for the ArcSoft Media Converter progress bar is gone. Take the result.
12. Close applications and delete output file (delete all files in Testout folder)
13. Compare results from 10 and 11 and record the longer result
14. Reboot
15. Repeat steps 1-13 for a total of 5 runs and take the median run as the result