Software Evaluation Guide for Sony Vegas Pro 8.0b* Blu-ray Disc Image Creation

"Burning HD video to Blu-ray Disc"

http://www.intel.com/performance/resources

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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 Pentium Processor. If there are questions that are not answered here on software application performance evaluation of the Pentium Processor, 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

Processor Performance on Sony Vegas Pro 8.0b* Blu-ray Disc Creation

1.0 Software Description

Professional HD video editing, audio editing, and DVD authoring software. The Sony Vegas Pro* collection combines Vegas Pro 8, DVD Architect Pro 4.5, and Dolby Digital AC-3* encoding software to offer an integrated environment for all phases of professional video, audio, DVD, and broadcast production. These tools let you edit and process DV, AVCHD, HDV, SD/HD-SDI, and all XDCAM* formats in real time, fine-tune audio with precision, and author surround sound, dual-layer DVDs and Blu-ray Discs.

1.1 Test Workload Description

The input file is a ~1min59sec, ~370MB 1440x1080 HD video imported from an HD camcorder using Sony Vegas. The output is a 1920x1080 60i Blu-ray Disc ISO image.

Chapter 2
Procedure for Evaluating Performance

The following is a procedure for evaluating performance while running Sony Vegas Pro 8.0.

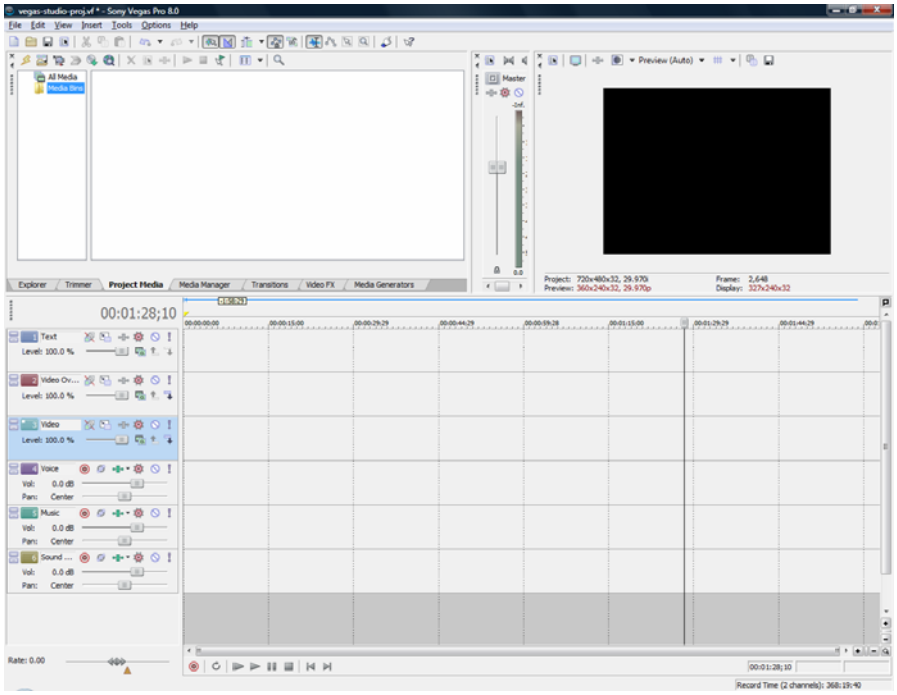
1. Purchase and install Sony Vegas Pro 8.0 with default installation options.

2. Install Vegas Pro 8.0b patch.

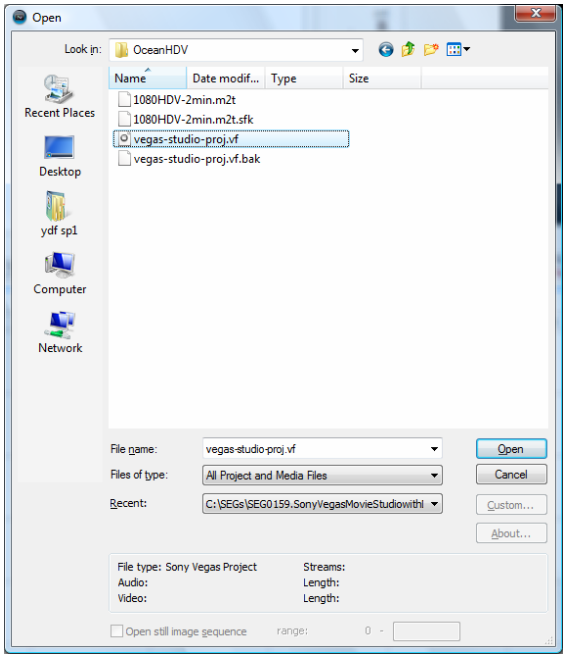
3. Copy the workload files to a local folder.

4. Reboot your computer.

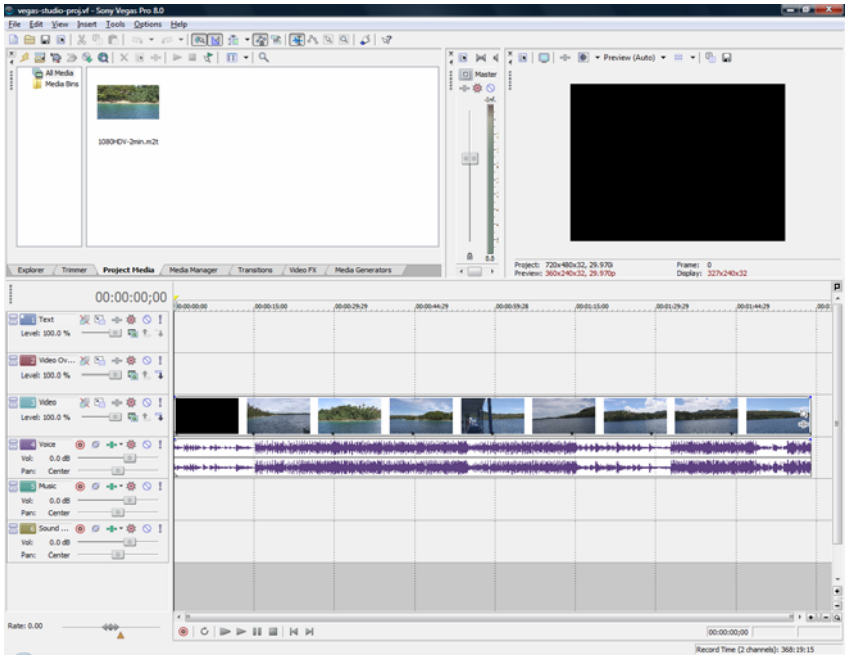
5. Launch Vegas Pro by double-clicking the Vegas Pro 8.0 icon on your desktop. The window below will appear.



6. Click on the File menu and select Open. In the window below, navigate to where the workload file is located. Select the .vf test file and click Open.

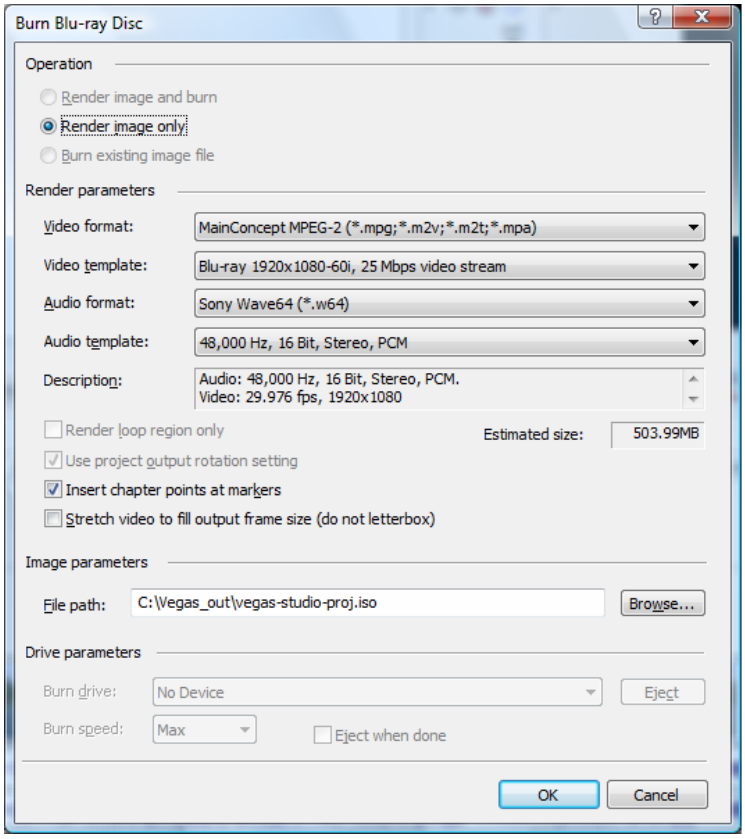


7. After clicking open, the window below will be displayed.

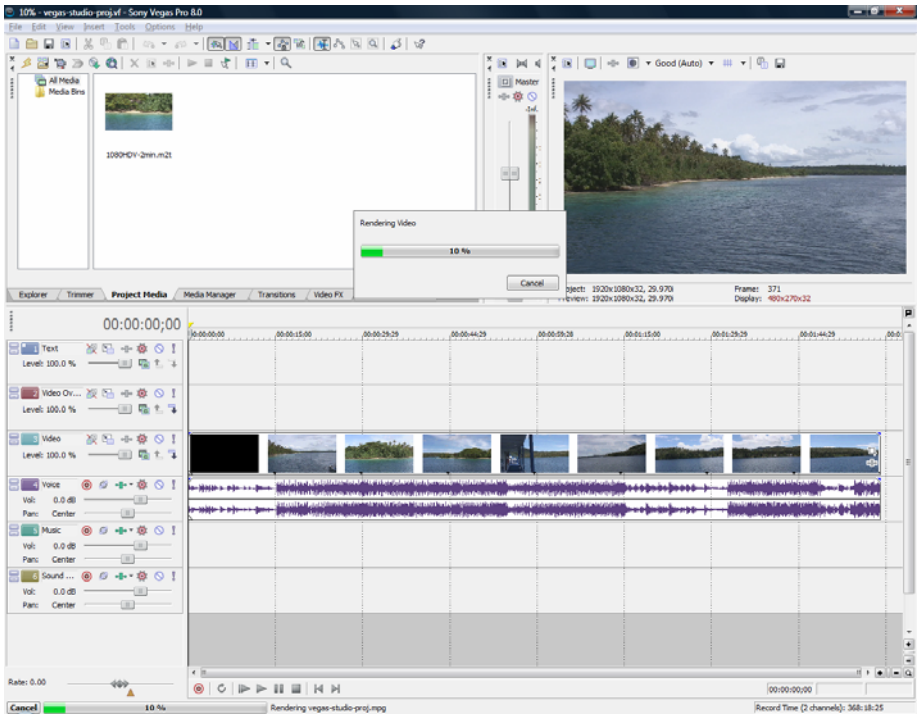


8. From the Tools – Burn Disc – Blu-ray Disc – menu ensure the following options are set:
    - Render image only
    - Video Format: MainConcept MPEG-2
    - Video Template: Bluray 1920x1080-60i, 25 Mbps
    - Audio Format: Sony Wave64
    - Audio Template: 48,000 Hz, 16 bit, Stereo, PCM
    - File Path: C:\Vegas_out\vegas-studio-proj.iso

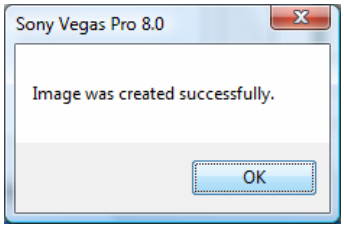
The settings in the window below should be matched.



9. Start timing when Ok is pressed. The window below will be displayed.



10. Stop timing when the popup displaying "Image was created successfully" is displayed.



11. Press Ok and close the application.

12. Delete C:\Vegas_out\vegas-studio-proj.iso.

13. Repeat steps 4-10 for a total of 5 runs, and take the median time.