

Using ImageMagick® to Convert Raw Files to JPG

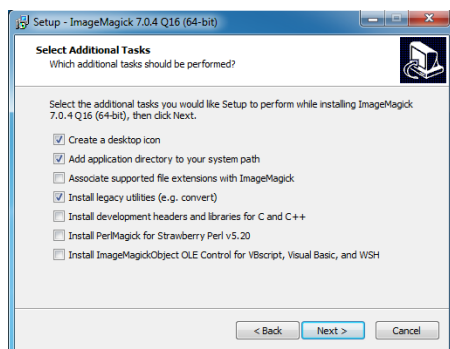
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ImageMagick® is freeware that can be used to convert raster images (digital photos) from one format (e.g. raw) to another format (e.g. JPG). Because it can be invoked from the command line or a batch file, it can automate the conversion of dozens or hundreds of images.

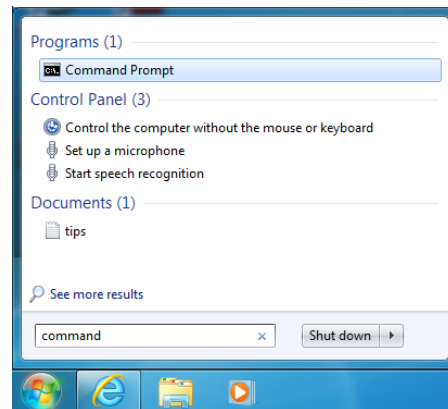
ImageMagick is available for Unix, Mac, or Windows. This article describes how to install and use it on Windows.

You can download ImageMagick for 64 bit versions of Windows from <https://www.imagemagick.org/download/binaries/ImageMagick-7.0.4-Q16-x64-dll.exe>. For other versions, including 32 bit versions of Windows, go to <https://www.imagemagick.org/script/binary-releases.php>. A comprehensive User's Guide is available from <http://bullard.esc.cam.ac.uk/~taylor/Doc/imagemagick/docs/ImageMagick.pdf>.

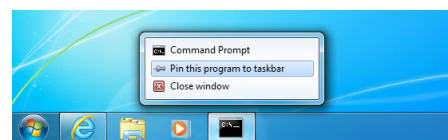
When you install ImageMagick, be sure to Install legacy utilities (e.g. convert).



To convert raster files from one format to another, you will use the convert legacy utility in a Command Prompt window. Click on the Windows Start Menu, and type “command” in the search programs and files box. Double click on Command Prompt to launch the Command Prompt tool.



Since you will be using this tool frequently to perform conversions, you might want to pin this program to the taskbar. Right click on the Command Tool glyph and click Pin this program to task bar. You will now be able to launch the Command Prompt tool by clicking on the icon in the task bar.



The easiest way to convert multiple files with a single command is to create a Batch file. For example, the following one-line Batch file (pef2jpg.bat) uses the ImageMagick convert com-

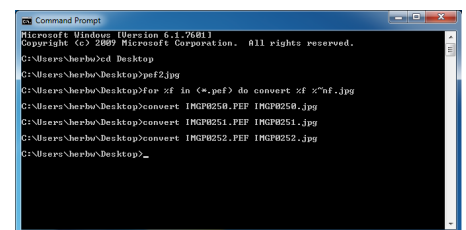
mand to convert all PEF (Pentax Electronic File, the Pentax Raw file format) files in the current folder to JPG format (and also leaves the PEF file in the same directory):

```
for %f in (*.pef) do convert %f %f~nf.jpg
```

In order to ensure that Windows always finds the above pef2jpg.bat file, place it in the special C:\Windows\System32 directory.

Each time you launch the Command Prompt tool, you will need to switch to the directory containing the files you want to convert. For example, if these files are on the Desktop, you would type “cd Desktop.” If the files are in Desktop\Left, you would “cd Desktop\Left.”

The following example shows the process of converting all PEF files on the Desktop to JPG files. In this case, there were three PEF files, but the process would have worked equally well for dozens or hundreds of files.



The user only had to type two commands:

```
cd Desktop
pef2jpg
```

Restoring an Anaglyph Image to a Stereo Pair

by Ron Kriesel

Since an anaglyph uses color to encode the stereoscopic information from a stereo pair into a single image, some of the color information from the original stereo pair is permanently lost when a stereo pair is converted to anaglyph. There is no way to recover the original full color stereo pair from an anaglyph image.

However, using StereoPhoto Maker it is possible to recover a monochrome stereo pair from an anaglyph image. From the StereoPhoto Maker File menu, choose Open Stereo Image. In the Open Stereo Image window, Select the Color or Gray Anaglyph. In the Stereo Format section of the window, choose Anaglyph (Gray). Note that regardless of whether the Anaglyph was originally saved as a Color Anaglyph or a Gray Anaglyph, you must choose Anaglyph (Gray). Then, click the Open button. You can now view or save the image as a Side by Side stereo image, or even save the image as an MPO.

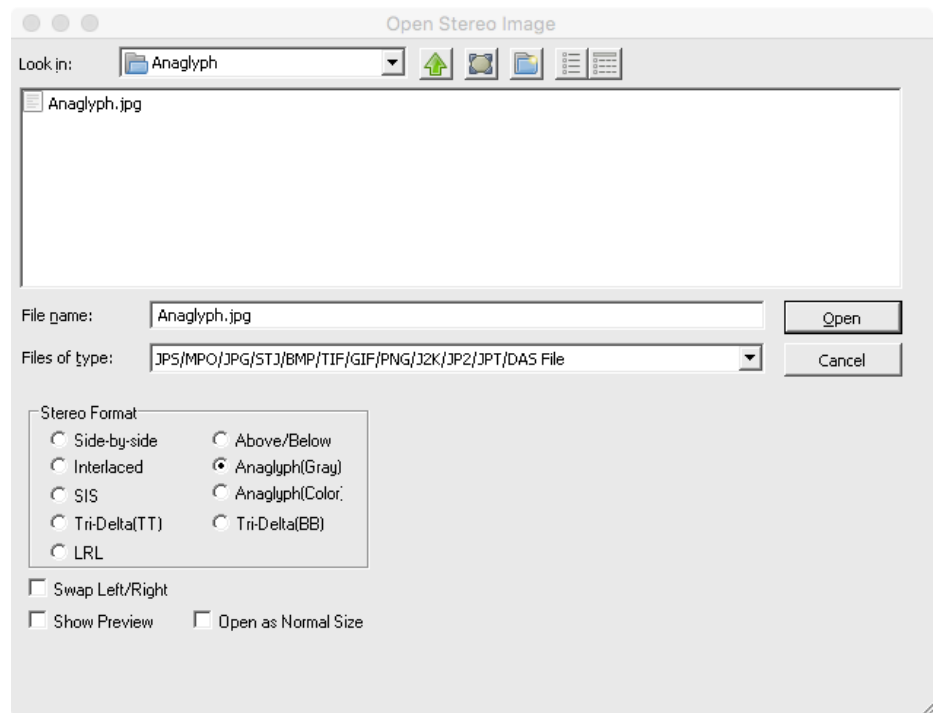
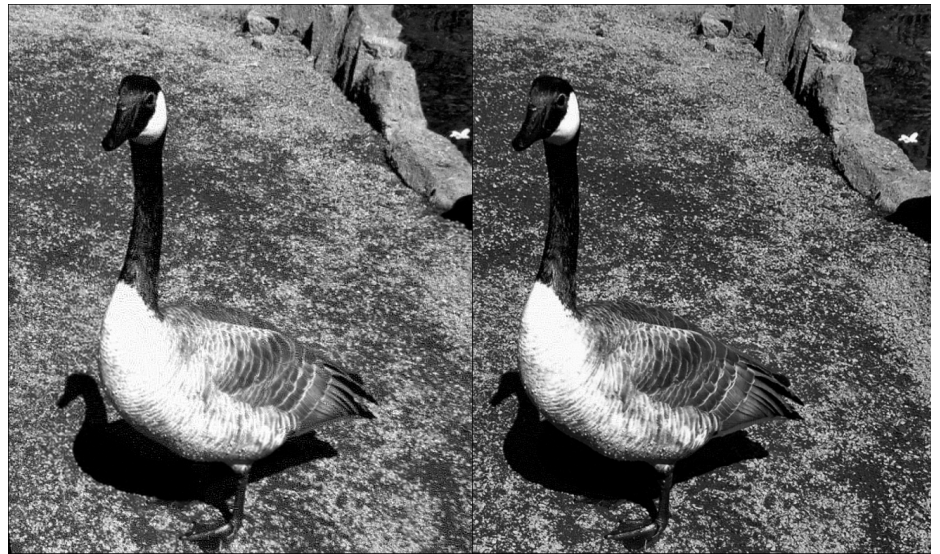
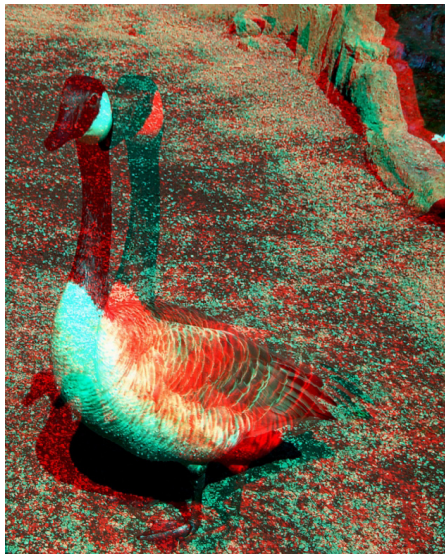


Figure 1: Open Stereo Image window with Anaglyph (Gray) option selected



Please Submit Images for Second Round of ISCC

ISC is in second place after the First Round of the 2016–2017 ISCC Season. Submit your 4 best photos at <http://www.3dpx.org/iscc.html> by midnight, Sunday, January 22 to help us do well in Round 2. We will select the best six images (no more than two from any individual) to submit for Round 2.

Congratulations to Mark Willke, for his 2nd (One Big Beetle) & 3rd place (Flower Bee) images in Round 1 (See October, 2016 Stereo Views).

Here are the standings after the first round:

- 65: Ohio Stereo Photographic Society.
- 64: Cascade Stereoscopic Club.
- 63: Georgia3D.
- 62: Puget Sound Stereo Camera Club.
- 61: Sydney Stereo Camera Club.
- 56: Detroit Stereographic Society.
- 55: Victorian 3D Society.
- Round 1 Host: LA3D Club.

Upcoming Events

Sunday, January 1: If your membership expires at the end of 2016, please renew online at <http://www.3dpx.org/membership.html>. (The Subject line of the email containing your Stereo Views always indicates the expiration date of your membership.) Please see the story on page 4.

Sunday, January 22: Deadline to submit your four best images for the second round of the 2016–17 ISCC (International Stereo Club Competition) at <http://www.3dpx.org/iscc.html>. See <http://www.3dpx.org/inclub.html>.

Monday, January 23: General Meeting. Theme is “Rivers.” We will also select images for submission to the second round of ISCC.

Friday, February 10: Deadline for February issue of Stereo Views.

Monday, February 27: General Meeting. Theme is “On the Road.”

(Meeting, continued from page 1)

We discussed possible locations for viewing the August 21, 2017 Total Solar Eclipse. Discussions will continue in coming months.

Claire invited everyone to consider submissions for the NSA 3D Showcase, which she chairs. Note that Claire will not setup or tear down your submissions, so you will need to do this yourself, or find someone else to do it.

We look forward to seeing everyone at our next meeting, Monday, January 23. The theme is “Rivers.” We especially encourage all members to submit images for the Second Round of ISCC. As always, we welcome submissions for Open Projector / Show & Tell.

Time to Renew your Membership

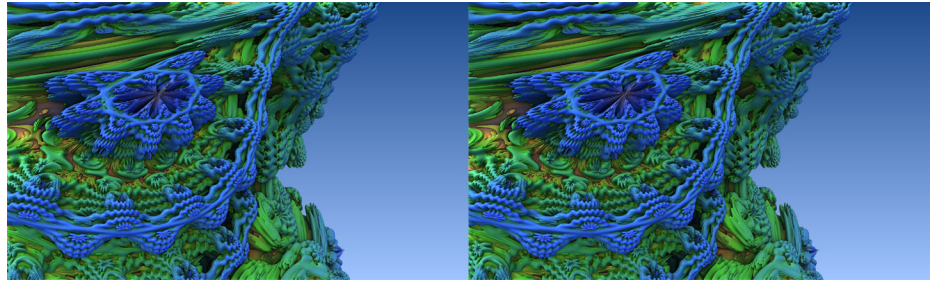
The subject line of the email containing your Stereo Views always indicates the expiration date of your membership.

We encourage you to renew your membership at <http://www.3dpx.org/membership.html>. If your membership has expired, please renew as soon as possible.

Around the Corner Continued



Around the Corner and Up the Stairs, by David Allen



Around the Corner in Mandelbulb, by Gary Weiss



Around the Droste Corner, by Herb Weiner



Around the Corner and Across the River, by Ron Kriesel



Around the Corner in North Portland, by Steve Wessing

The End is Near for 3D Television

Last year, Samsung discontinued their 3D TVs, and LG has now done the same. On January 4, at the Consumer Electronics Show, LG announced that none of their 2017 TVs would support 3D. While Sony and Panasonic have not yet announced that they are officially out of the 3D TV business, none of their 2017 models announced at CES supports 3D.

LG's announcement is especially disappointing because LG's 2016 UHD (Ultra High Definition) OLED 3D TVs are probably the best 3D TVs available at any price.

There are two types of 3D TVs: Active 3D TVs use expensive glasses that require batteries, while passive 3D TVs use inexpensive circularly polarized glasses – the same as the Real-D glasses provided by many movie theatres. In

fact, circularly polarized Real-D compatible glasses are even available in clip-on styles for those who wear glasses.

The major disadvantages of passive glasses is that only half of the vertical resolution is available, and the horizontal viewing angle is typically narrower than for active glasses.

The LG UHD OLED 3D TVs don't have either of these problems. Since the maximum resolution of Blu-ray 3D is 1920 x 1080 (there is no UHD Blu-ray 3D), even a passive UHD 3D TV can display the full resolution of Blu-ray 3D. And the LG OLED TVs have an extremely wide viewing angle, even for 3D.

Therefore, if you want a 3D TV, and have not already purchased one, you should probably

purchase one ASAP. If you want the very best 3D TV, you should probably purchase one of the remaining 2016 model LG OLED 3D TVs before they are all gone. Your editor just purchased a 65 inch LG OLED 65C6P 3DTV. The picture and the 3D quality are stunning.

If you'd like to learn more about the demise of 3D TV, refer to:

- <http://www.hdtvtest.co.uk/news/lg-3d-201701044397.htm>
- http://www.highdefdigest.com/news/show/Ultra_HD/3D/Plasma/Samsung/Panasonic/LG/Samsung/Sony/Vizio/TCL/Dolby_Vision/hdr/ces-2017-rip-3dtv/37650
- <https://www.youtube.com/watch?v=3Hu85u6oETw>

Glass Orb named Best 3D Slide of 2014 by PSA

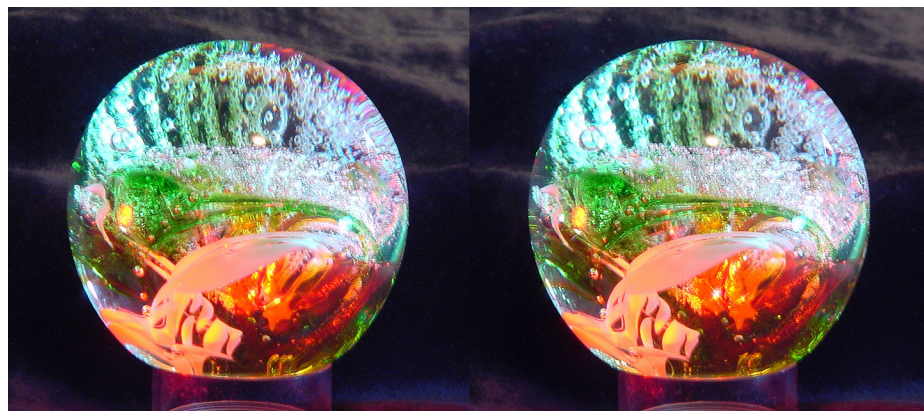
In 2016, the PSA 3D Division conducted Photo of the Year (POTY) competitions for both 2014 and 2015. Any image submitted by a PSA member that has won any award or Honorable Mention in any PSA 3D Exhibition is eligible for consideration. Congratulations to David Allen, whose *Glass Orb* image was named Best 3D Slide of 2014. The complete article appears on page 33 of the January 2017 PSA Journal.

David supplied the following information about his image:

This is a glass orb paper weight, about 3 inches in diameter that I bought at Lincoln City. It was mostly light green with some copper colored sprinkles and a little brown. I enhanced

the colors with a red filtered flash light and a blue overhead lamp. The image was taken as a Cha-Cha with a single Sony 3.3Mp Cyber Shot in 2008. This image, as a slide and a card has

been entered in 13 exhibitions. As a slide, it has received a PSA Gold, a PSA 2nd, two HMs, Photo Of The Year and Best Macro. It didn't do that well as a card.



Glass Orb, by David Allen



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