Fovea Pro 4.0 Read Me First

Requirements

FoveaPro 4 requires Adobe Photoshop 7.0, CS, or CS2, or other host programs that support Photoshop plug-ins (e.g., Photoshop Elements, Paint Shop Pro, Graphic Converter, etc.; note that many other programs that support Photoshop plugins and file types do not handle 16 bit images, but reduce them to 8 bits per channel). If you do not have Photoshop, you can download the tryout version (which will run for three weeks) from:

> http://www.adobe.com/products/tryadobe/main.jsp#product=39

Display: 768x1024 or larger, millions of colors
Macintosh: OS X 10.1.15 or later
Windows: Windows NT, 2000, or XP

Installation

Run the "**Mac FP4 Installer**" or "**PC FP4 Installer.exe**" program to install the plug-ins. This will ask you to locate the folder in which to place the plug-in files. Normally this will be the plug-in folder belonging to Photoshop, or whatever host program you are using. Some programs allow you to select any folder location (e.g., Photoshop using the Preferences menu) while others require the plug-ins to be loaded into a dedicated folder. See your program's manual, for additional information. Locate the folder in which to place the files and click OK. The installer will do the rest. Note that you can install the plug-ins in a temporary location and then drag them to the final location later, but you can NOT install them on one machine and subsequently copy them to another computer.

If you are installing an upgrade to a previous version of Fovea Pro or The Image Processing Tool Kit, you should **delete the old plugins first**. If you do not, it will result in both sets of plug-ins appearing in the menu. The default installation of Fovea Pro and Image Processing Tool Kit plug-ins places them in a single folder. If they have been moved, it is necessary to locate and manually remove them beforehand. Different versions of the software were created on different dates, but if you search for files of type '8BFM' (Mac) or *.8bf (Windows), you should be able to find all of the Photoshop plug-ins on your machine and sort them by date. For any given package (except for downloaded updates) the modification dates of plugins in previous releases will be very close together.

After installing the software, run your host program (e.g., Photoshop). Open any image or create a new one, and select **Filter->IP*Utilities->Preferences**. *Enter the serial number* that came with your CD into the dialog box provided and click OK. If your CD is a demo copy, and came without a serial number, the plug-ins will be fully functional for three weeks. After that, you must obtain a serial number from Reindeer Graphics and enter it for them to function.

Support Materials

The following support materials may optionally be copied to your hard disk but can also be accessed directly from the CD, and are not required to install or use the programs.

Tutorial.pdf is an Acrobat file that illustrates procedures used for image processing and analysis, with step-by-step instructions and results, using Photoshop with the Fovea Pro plug-ins and example images that are provided on the CD. It is organized by task, corresponding to the typical order of procedures that are used in workflow for the acquisition, processing, and measurement of images. The organization also corresponds to the sequence of topics covered in J. C. Russ (2002) "The Image Processing Handbook," CRC Press, and to the sequence of lectures and lab exercises which Dr. Russ uses in teaching workshops.

Manual.pdf is an Acrobat file that describes the individual plug-ins in Fovea Pro, organized by their menu and submenu arrangement.

Images is a folder containing example images used in the tutorial.

Support is a folder containing subfolders with various sets of files that may be useful for some of the Photoshop or Fovea Pro functions. These include:

- **Actions** (the example actions from the tutorial; actions created with a previous version of FoveaPro or IPTK will need to be re-recorded)

- **Calib** (examples of calibration files that correspond to several images)

- **CLUTs** (color look-up tables for pseudocolor display)

- **Density** (examples of density calibration files that correspond to several images)

- **Kernels** (sets of weight values that perform various filtering operations)

- **Recipes** (examples of recipe files for feature classification)

- **Scripts** (the example scripts from the tutorial; these may be copied to your Presets/Scripts folder)

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