



Quick Start Guide for Pedigree QP


This is a Quick Start Guide to help you install and use Pedigree QP. It is highly recommended that you also read the “Getting Started” section (p. 3) of the Pedigree QP User’s Guide that is included on the installation disk (if you have one) or it can be downloaded from www.certifi-media.com. The User’s Guide describes the general architecture of Pedigree QP and explains many important features that are not covered in this Quick Start Guide.

If you have any question about the installation or use of Pedigree QP, please contact support@certifi-media.com.

Installing Pedigree QP

IMPORTANT! You must have administrator privileges to install Pedigree QP.

1. The Microsoft .NET Framework 3.5 is required for Pedigree QP. You can check to see if it is already installed on your system by selecting Start → Settings → Control Panel → Add or Remove Programs and looking for “Microsoft .NET Framework 3.5”. If you do not see it on the list of installed programs, you can install it by double-clicking on the file labeled “dotnetfx35.exe” that is included on the installation disk or by visiting the [Microsoft Download Center](#).
2. The 15-day trial version of Pedigree QP is installed by double-clicking on “QPDemoInstaller.exe”, either from the installation disk or the downloaded file. It is highly recommended that you use the default installation directories to minimize any access permission issues and to simplify debugging in the event that a problem occurs.

Once Pedigree QP is installed, you can double-click on the Pedigree icon  labeled “PedigreeQPControlPanel” on your desktop to launch the Pedigree QP Control Panel, which provides access to the suite of applications that comprise Pedigree QP.

Using Pedigree QP to analyze the quality of a single image

We suggest that you start by using the Control Panel application labeled “Script Builder” to analyze the quality of a single image. Because Pedigree QP requires Certifi test targets for a full quality analysis, pre-scanned image examples have been included on the installation disk in the directory labeled “QPDemo_Images”, or they can be downloaded from www.certifi-media.com. The example images demonstrate various type of quality issues that can occur when content is




digitized. There are also scanned examples of the Certifi FC-1 and FC-2 targets without any additional image content.

To perform a single image quality analysis, follow these steps:


1. Launch the Script Builder application by clicking on the Script Builder icon in Control Panel.
2. Select File → Open Image from the main menu, navigate to the demo images on the enclosed disk, and select an image.
3. Click on the “IQ Analysis” step in the IP Editor, which is located on the right hand side of Script Builder. The image will be automatically analyzed for quality and the results will be displayed in the IQ Panel at the bottom of Script Builder.

Try different demo images to see the impact on the quality results.

Using Pedigree QP to process a single image

The "Script Builder" application can also be used to interactively process a single image. The available image processing operations are accessed using “Add Step” button  on the IP Editor, located on the right hand side of Script Builder.

To apply image processing, follow these steps:

1. Launch the Script Builder application by clicking on the Script Builder icon in Control Panel.
2. Select File → Open Image from the main menu, navigate to the demo images on the enclosed disk, and select an image. Or you can select one of you own images to process.
3. Click on the “Add Step” button in the IP Editor, and select an image processing operation from the drop-down list. Each image processing operation has its own dialog that will allow you to try different settings and see the result on the displayed image. Once you are satisfied with the result, click “OK” on the image processing dialog and the operation will be added as a step in the IP Editor.
4. Continue to add (or delete) image processing steps until you’re satisfied with the resulting image.
5. Save the image processing steps as a script by clicking on the “Save Script” icon , located at the top of the IP Editor.


Using Pedigree QP to batch process and analyze images

Batch processing and quality analysis is performed using the Engine application in the Control Panel. Engine monitors a “hot” directory of images and automatically processes and analyzes an image when it is added to the directory. Once an image is processed and analyzed, it is moved to a processed image sub-directory under the hot directory. The quality results from the Engine batch analysis are viewed using the Monitor (Real-Time) application in the Control Panel

IMPORTANT! The creation of the processed sub-directory and the transfer of images into it require the hot directory to have write permissions. This also means that images cannot be processed by Engine directly from read-only media such as a CD or DVD. In such cases, the images must first be transferred to a disk directory that has write permissions enabled.

As a result, if you wish to batch process or analyze the demo images, they must first be copied to your hard drive. We suggest that you copy the images to a easy to find directory such as "c:\my_input_images\" and also create a simple easy to find output directory such as "c:\my_output_images\".

To perform the batch quality analysis, follow these steps:

1. Launch the Engine application by clicking on the Engine icon in Control Panel.
2. Launch the Monitor (Real-Time) application by clicking on the Monitor (Real-Time) icon in Control Panel.
3. Select the input and output (“Certified”) image directories using the file browser buttons  in Engine.
4. Select a quality profile, if desired, in Engine. Several pre-defined quality profiles are installed during the Pedigree QP installation.
5. Select an image processing script, if you previously created one and you want to apply it to the images.
6. Click “Start Engine” to begin the batch processing and analysis. Monitor will automatically display the results for each image as it is analyzed.

A few other things to note.

- Each processed and analyzed image is moved to a “processedImages” sub-directory under the input image directory.



- If the “Save Certified image files” option was enabled in Engine, the Certified output files will be stored in the specified output directory.
- Each Certified file that is saved to disk will result in one credit being deducted. The number of credits can be viewed at any time by launching the License application in Control Panel. The trial version of Pedigree QP includes 100 credits.