

IDPhoto Processor

version 3



User Guide

IDPhotoCapture

2014

IDPhotoCapture.com
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<http://idphotocapture.com>

User Guide IDPhoto Processor © 2014 KERNEL247RU.

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Introduction

Dear User,

Thank you for choosing IDPhoto Processor!

IDPhoto Processor is a program that allows you to batch process your photos. It provides fast and accurate face detection and image cropping based on your settings. From a set of different images of multiple sizes, **IDPhoto Processor** enables you to easily prepare photos for passports, driver's licenses, school and college passes, badges, employee ID cards, entrance passes, military IDs, visas, pension IDs, licenses, health insurance cards, national ID cards, loyalty cards and many other identification documents.

The software performs the following tasks as part of the process:

- Opens each image from the source folder
- Automatically recognizes the face on the image
- Crops the photo according the proportions specified
- Resizes the image to the required measurements
- Corrects the photo for contrast, sharpness, brightness and gamma
- Saves the results to the designated folder
- Transfers images through the TWAIN driver
- Photos can be processed using either fully automatic or semi-manual mode.

IDPhoto Processor supports the following file formats:

- JPEG/JPG
- BMP
- PNG
- GIF
- TIFF

To obtain the best results from the software, you are advised to use images that:

- are taken in a well-lit environment
- include the whole head, from the top of the hair down to the shoulders
- have a single-color background
- have a natural, relaxed facial expression
- are full-face
- have no shadows on the face or background
- have no additional items, such as sunglasses or hats, covering the face or head.

We hope that this guide will help you quickly familiarize yourself with the program and make use of the full range of its capabilities.

Chapter 1. Start of Work

The contents of the chapter are as follows:

[Installation](#)

[Start-up](#)

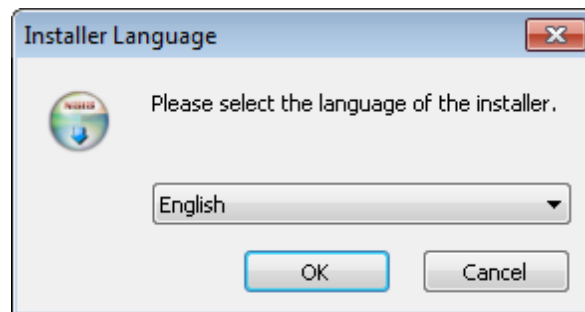
[Activation](#)

Installation

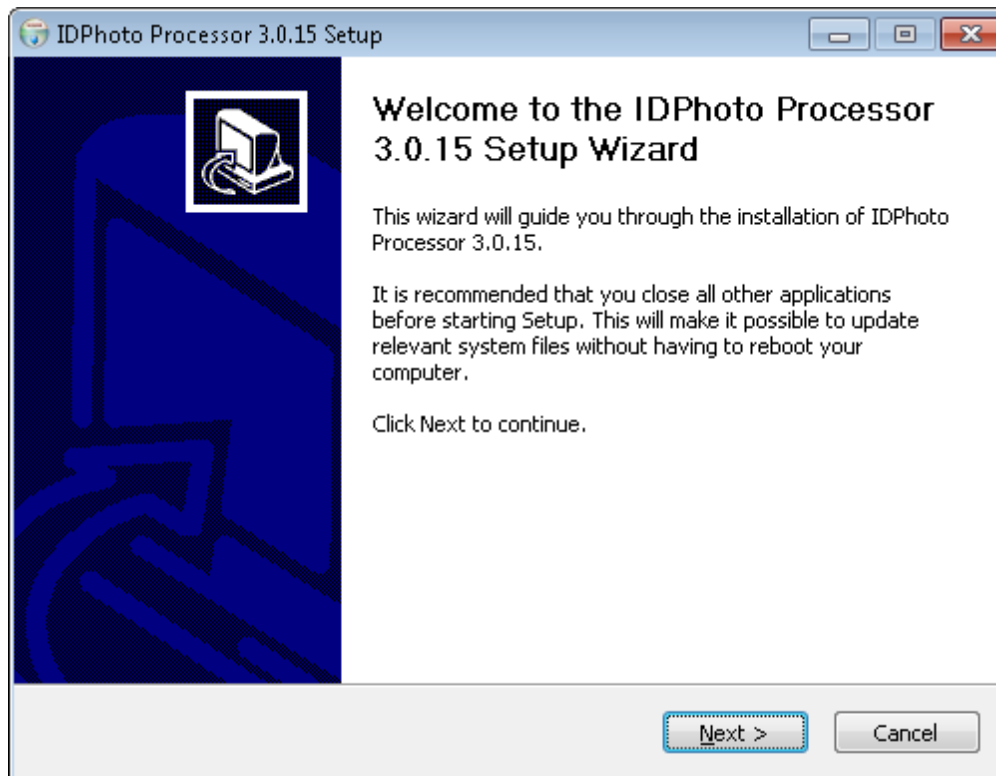
The **IDPhoto Processor** application is being installed on a computer online using the installation wizard.

Run the installation package file (a file with exe extension) to start the installation process.

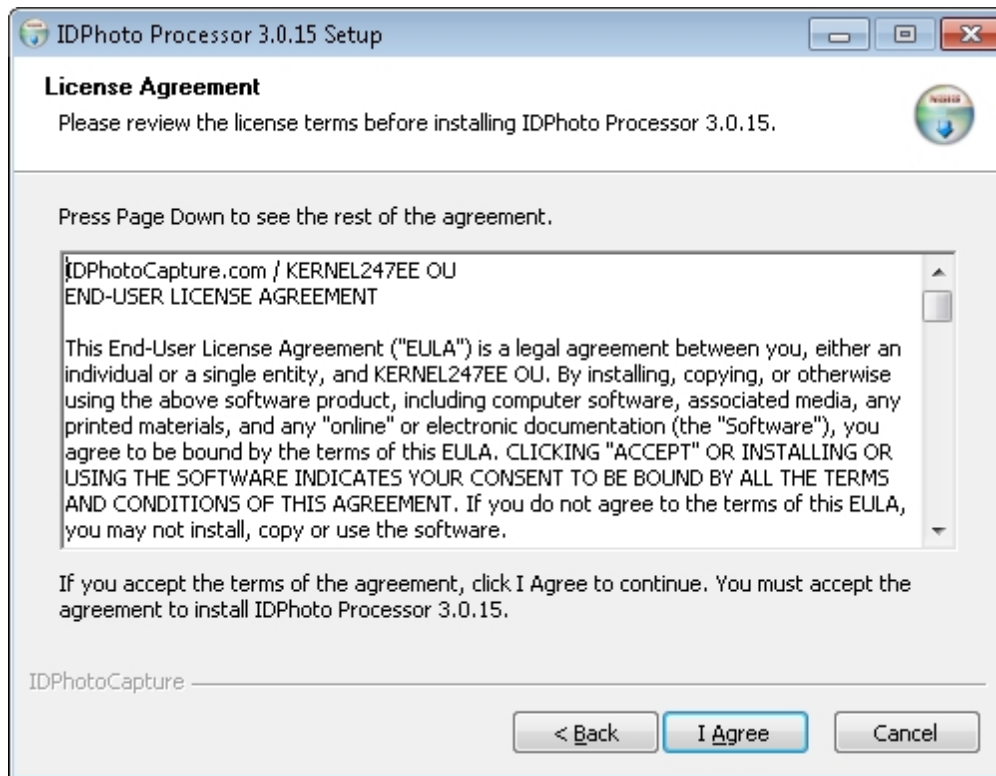
Step 1. Select the language of the application interface in the window appeared and press **OK**.



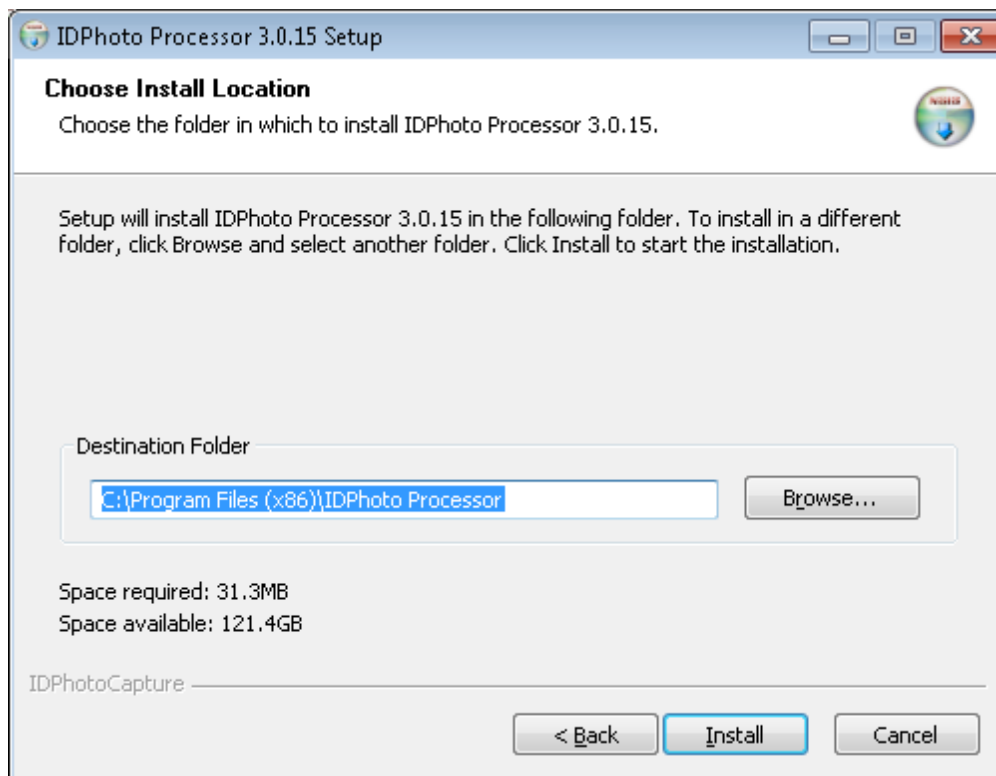
Step 2. In the next window, the wizard recommends you to close all the active applications. This will enable the application to update system files without restarting the PC. Press **Next** to continue the installation.



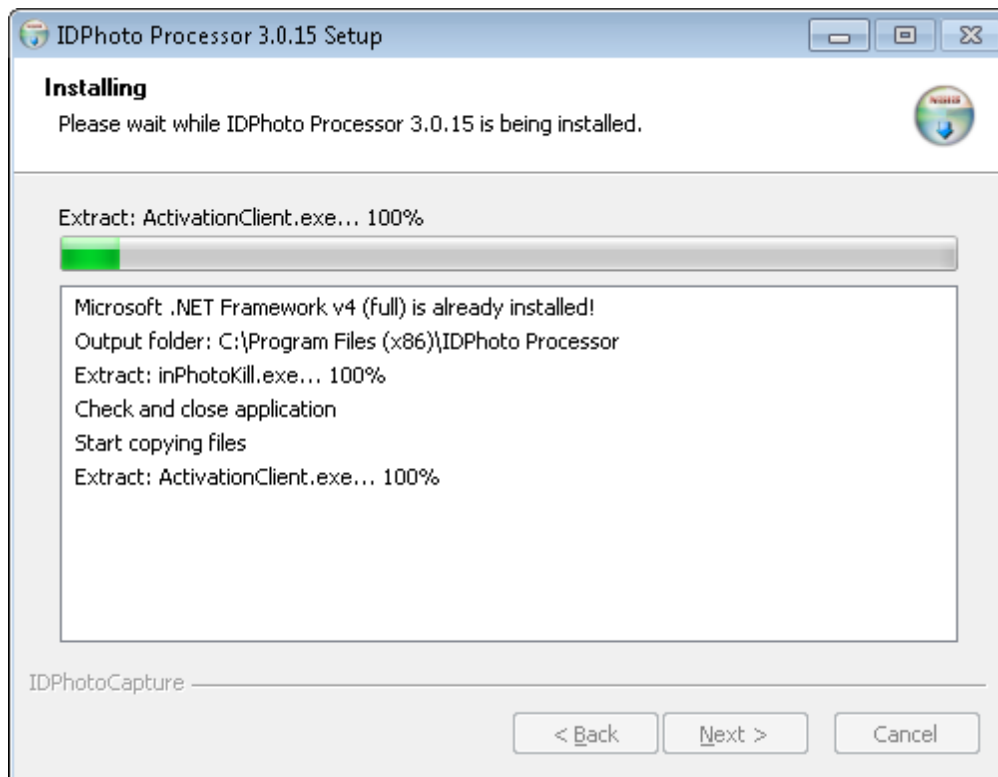
Step 3. At this step, you should read the licence agreement. Read it carefully and press **I agree** if you agree with all the clauses. Once this is done, the installation of the application will continue. If the licence agreement is not accepted, the installation will be cancelled.



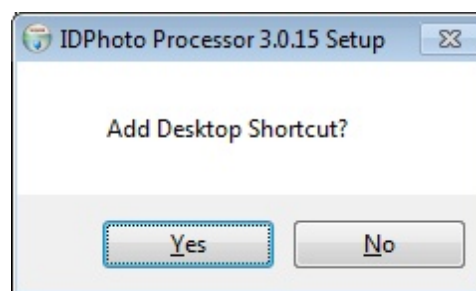
Step 4. At this stage, the wizard offers selecting a folder to which the application will be installed. Press **Install** to start installing the application.



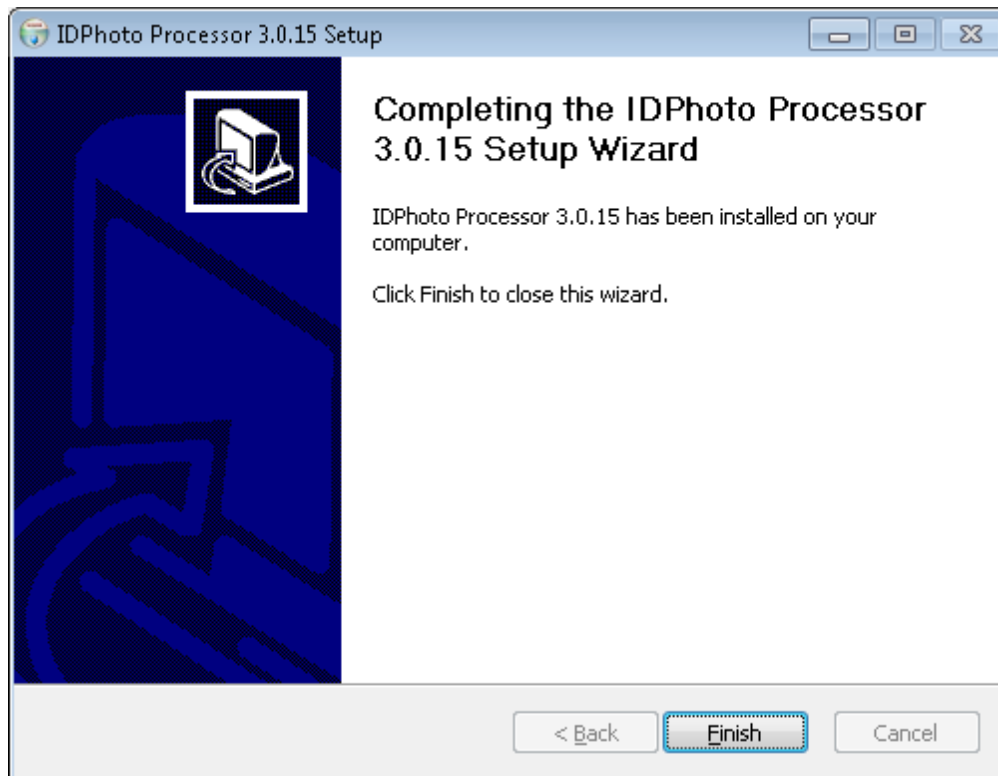
Step 5. At this step, the application installation window will appear. The installation process may take some time. Please wait until it has completed. After the installation has completed, the wizard will automatically move to the next step.



Step 6. In this dialogue, the wizard offers creating a desktop shortcut for the application. The application shortcut is added to the **Start** menu and to the list of **TWAIN** drivers in any case during the installation. If you also wish to add the shortcut to the desktop, press **Yes**, if the shortcut in the **Start** menu is enough, press **No**.



Step 7. This is the last step of the wizard. Here it informs you that the application has been installed on the computer. Press **Finish** to complete the installation.



Done! **IDPhoto Processor** has been installed. Run the **IDPhotoProcessor.exe** application file to start working with the application.

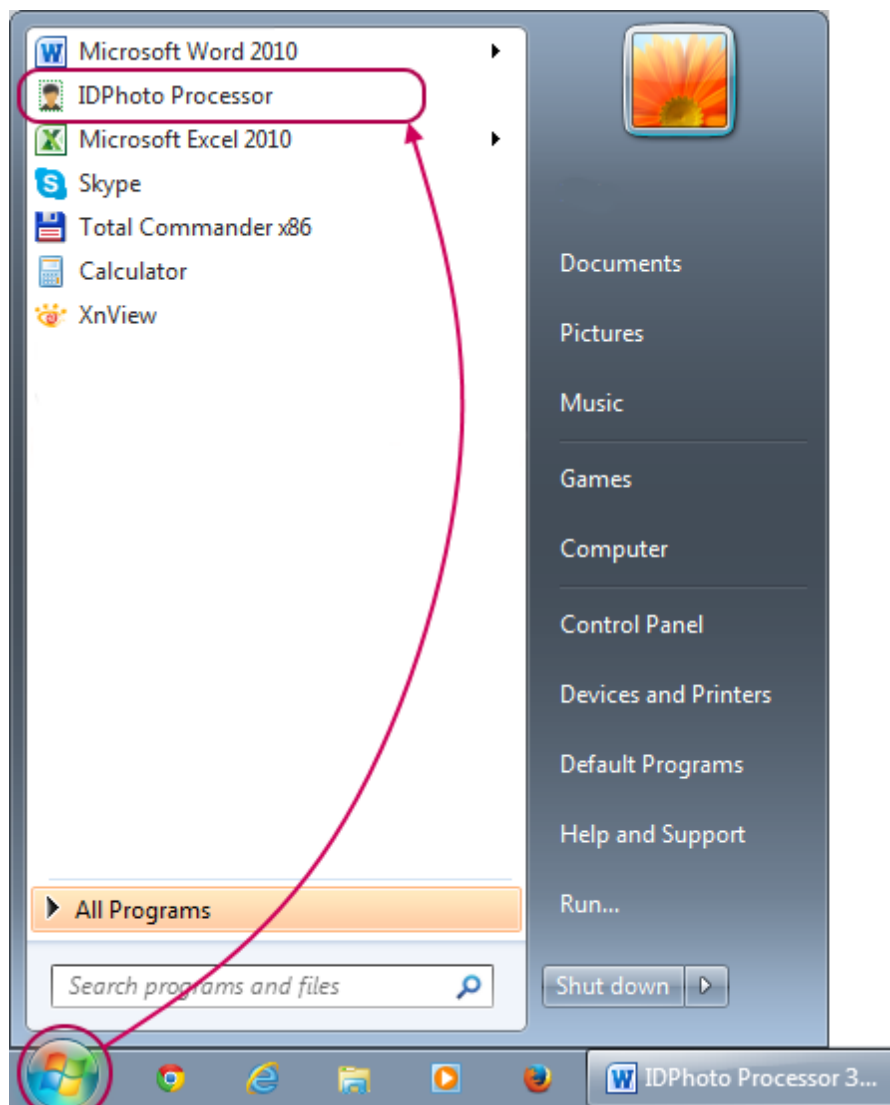
The next [Start-up](#) chapter describes how to start up **IDPhoto Processor**.

Start-up

IDPhoto Processor can be started in several ways:

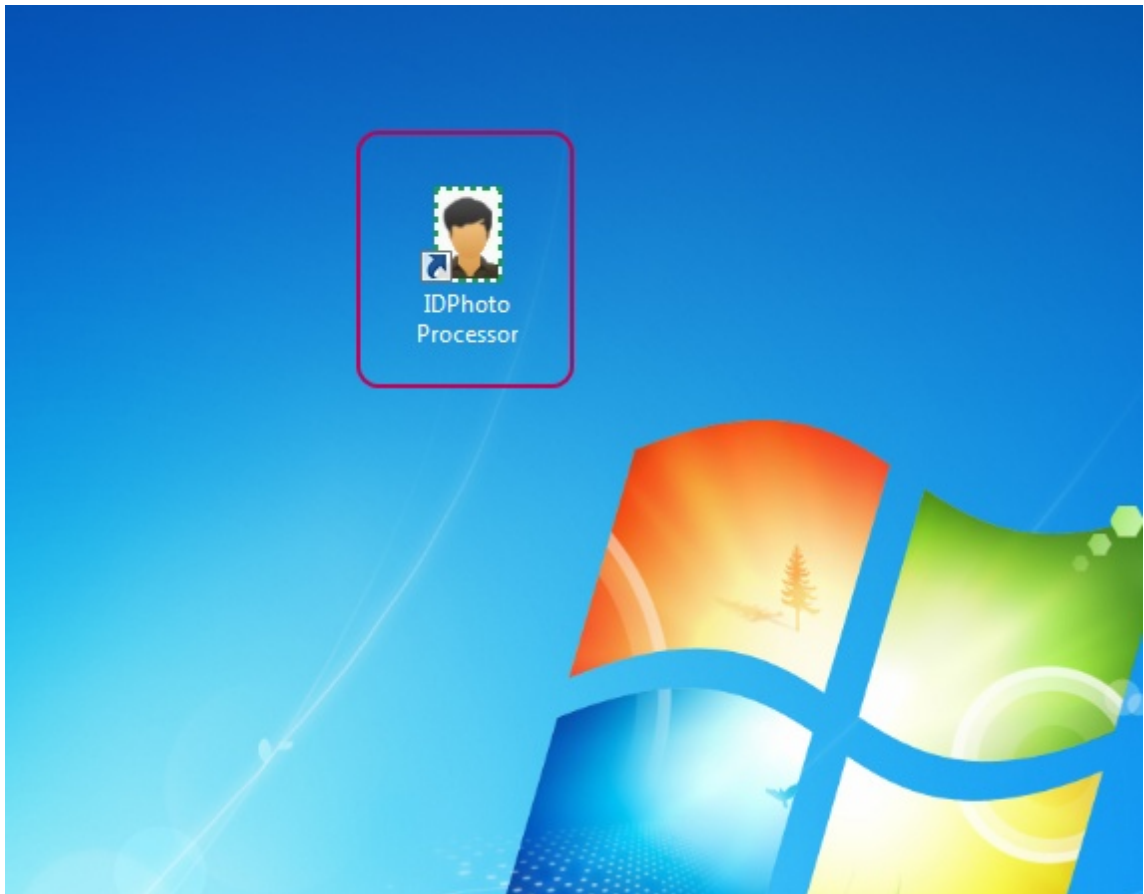
1. Starting up IDPhoto Processor from Start Menu.

Press **Start**; then choose the **IDPhoto Processor** item in the appeared menu and press it.



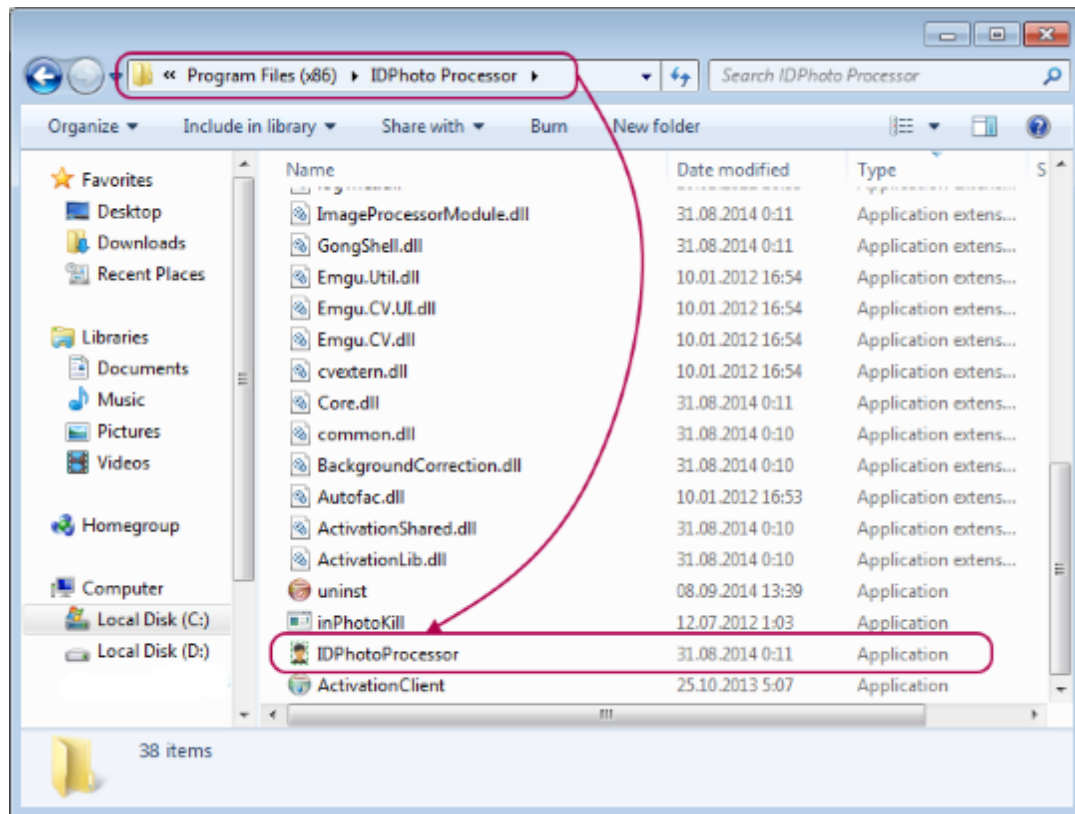
2. Starting up IDPhoto Processor from the Desktop.

This start-up option is possible if you have chosen to add the desktop shortcut for the application during the installation. In such a case, just find the shortcut on the desktop and double-click it using the left mouse button.



3. Starting up IDPhoto Processor from the Application Folder.

Open the folder to which the application has been installed (this is C:\Program Files\IDPhoto Processor by default) and start up the **IDPhotoProcessor.exe** file by double-clicking it.



4. Starting up IDPhoto Processor via TWAIN Connection.

IDPhoto Processor can also be started using a third-party application via **TWAIN** connection. This mechanism is described in more details in the [Process to TWAIN](#) chapter.

Activation

When starting up **IDPhoto Processor** for the first time, the activation wizard window will appear. Here you can choose to:

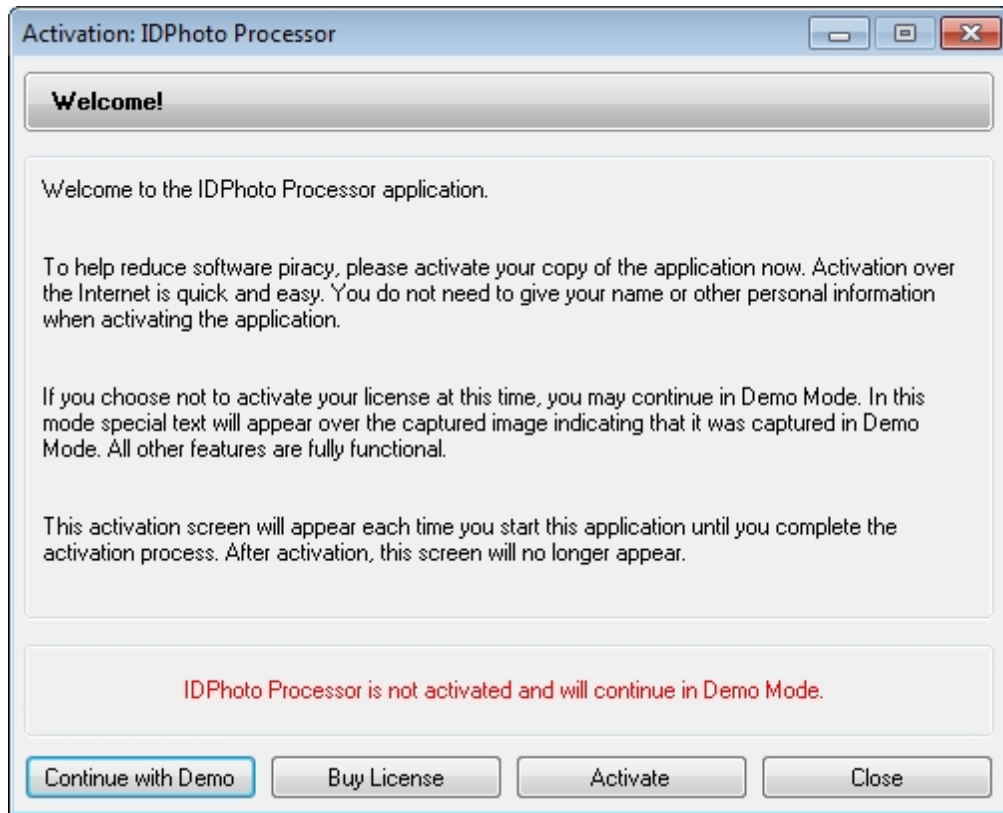
- Use the application in demo mode
- Purchase the licence
- Activate the licence
- Close the application

All other details on using the application in the demo mode and on purchasing the licence are

described further in the [Demo Mode](#) and [Purchase of the Licence](#) chapters.

If you have already purchased the licence, its activation will confirm the authenticity of the installed copy and open access to all the application features.

There are two ways of licence activation: **Online** and **Offline**. If the Internet connection is available on the PC where the application is installed on, the **Online** activation will be selected automatically; if not, then use the **Offline** activation. The activation procedure is described in details further in the [Activation Online](#) and [Activation Offline](#) chapters.



The contents of the section are as follows:

[Demo Mode](#)

[Purchase of the Licence](#)

[Activation Online](#)

[Activation Offline](#)

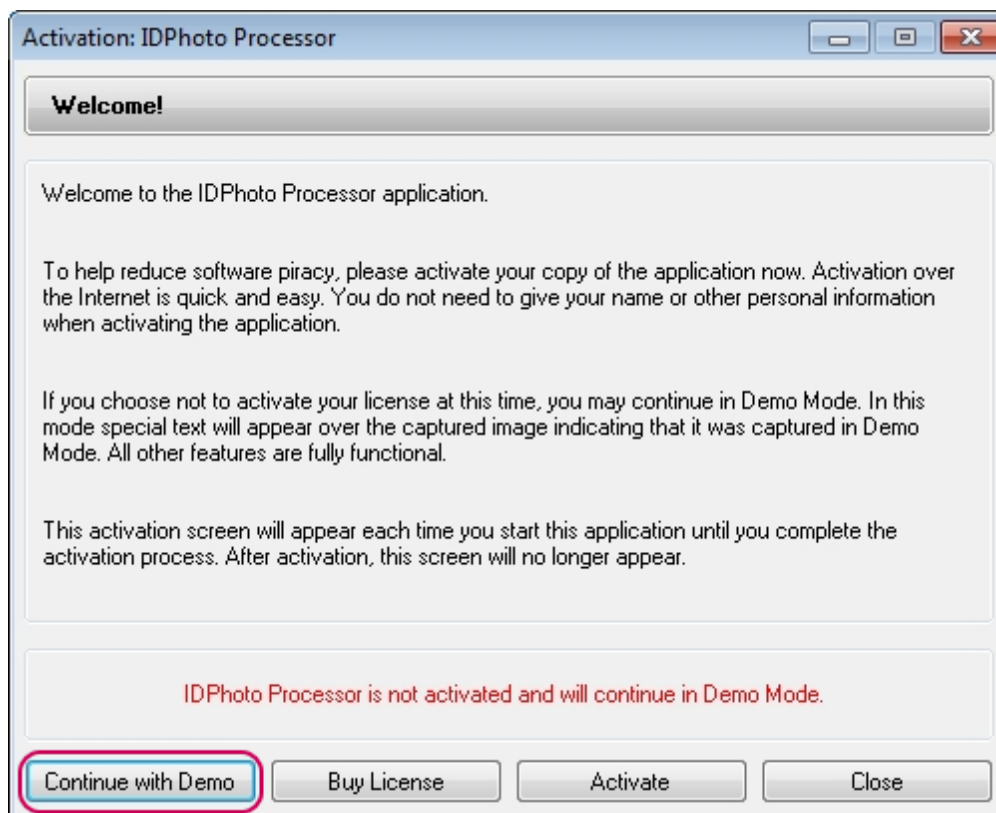
Demo Mode

The user has access to all the application features in the demo mode.

There is a limitation: all received images will contain a demo sign.

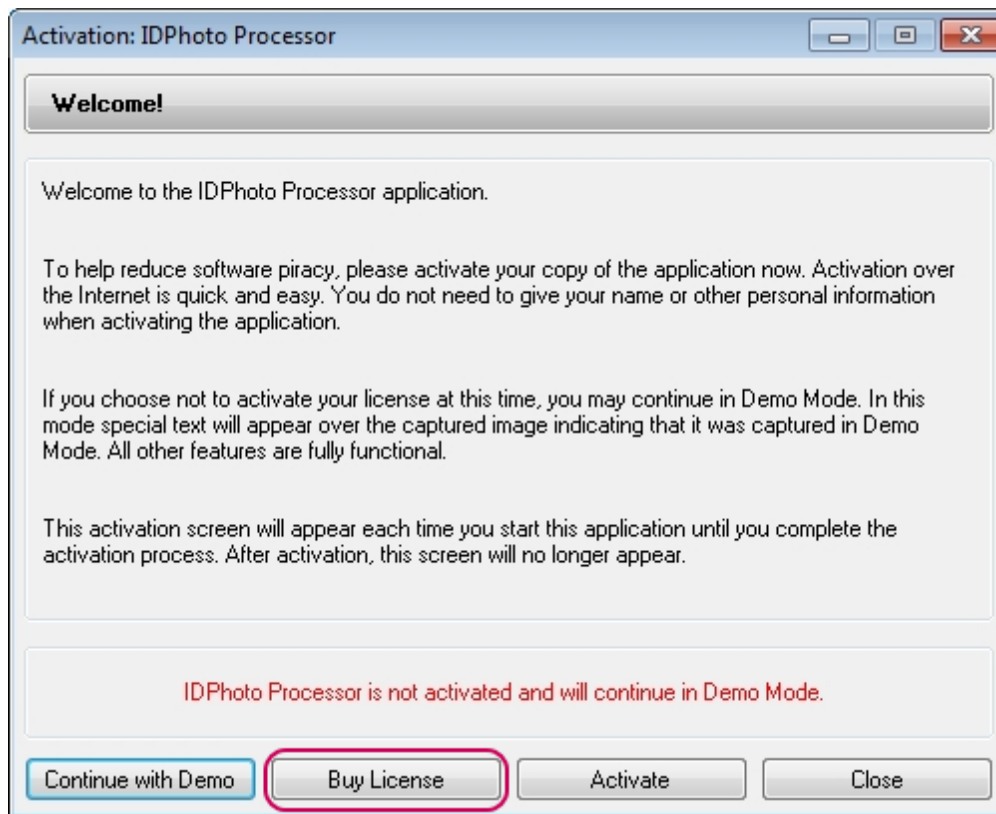
The demo mode allows trying the application at work and assessing its capabilities before purchasing.

To start up the program in demo mode, press the **Continue with Demo** button.

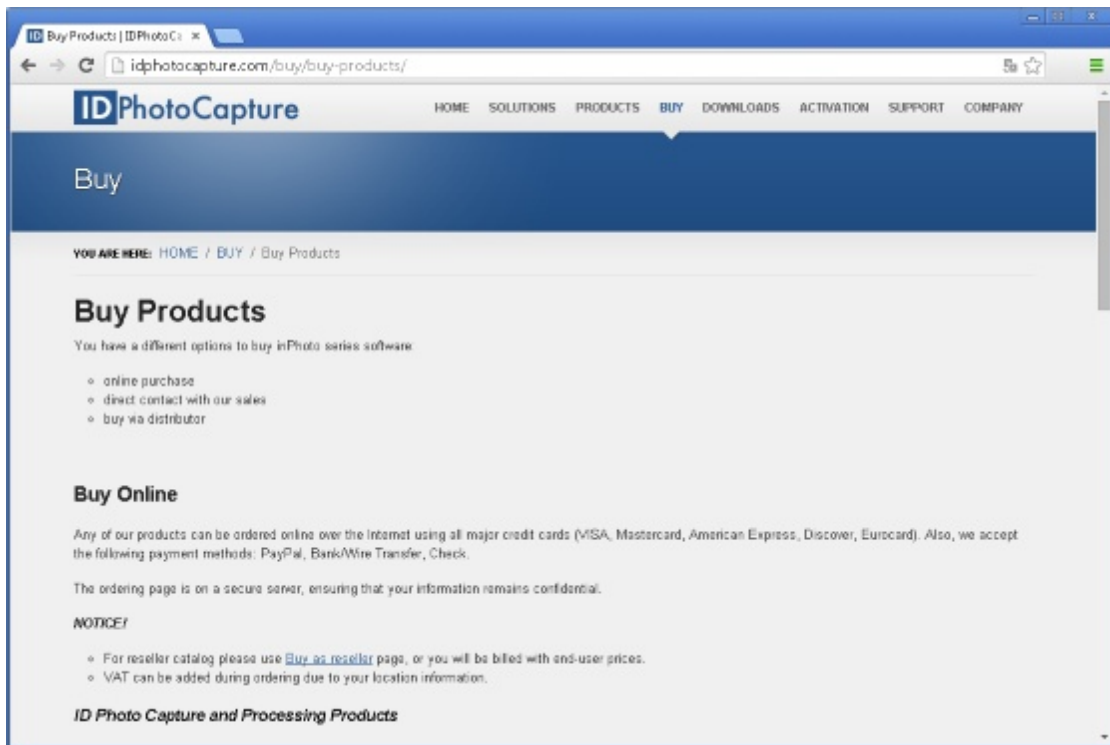


Purchase of the Licence

If you wish to activate the application, but have not purchased the licence yet, choose the **Buy License** button.



After that, the application will forward you to the developer's website where you can buy the licence to the required product.

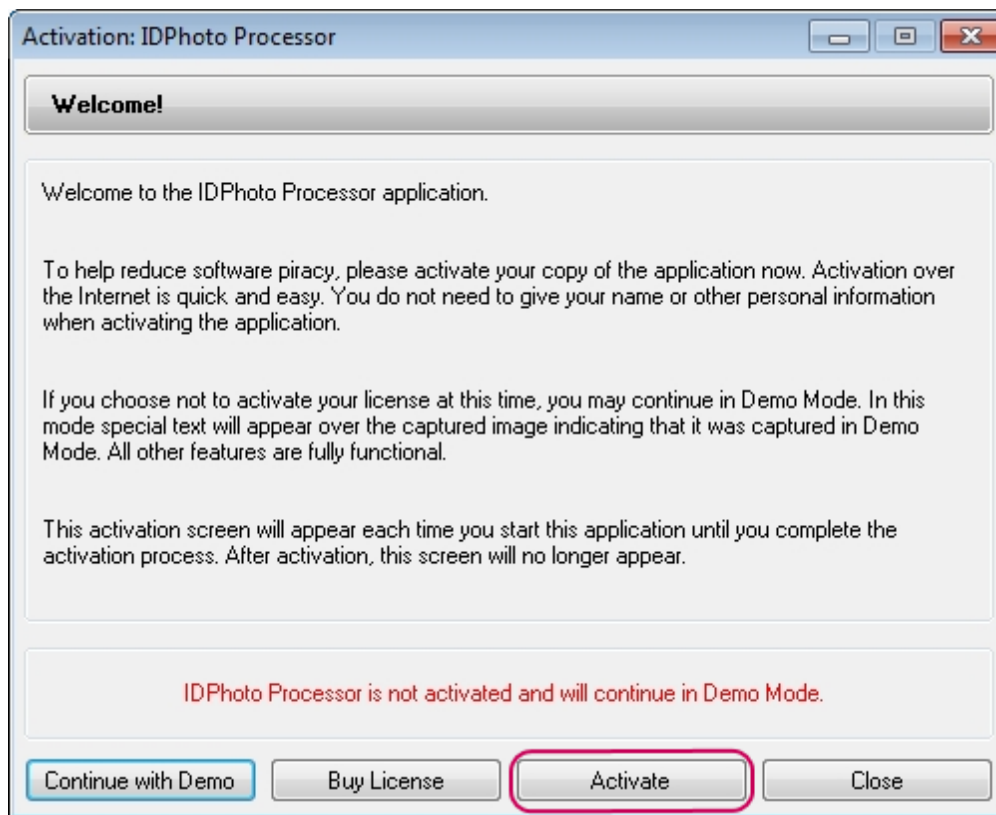


Activation Online



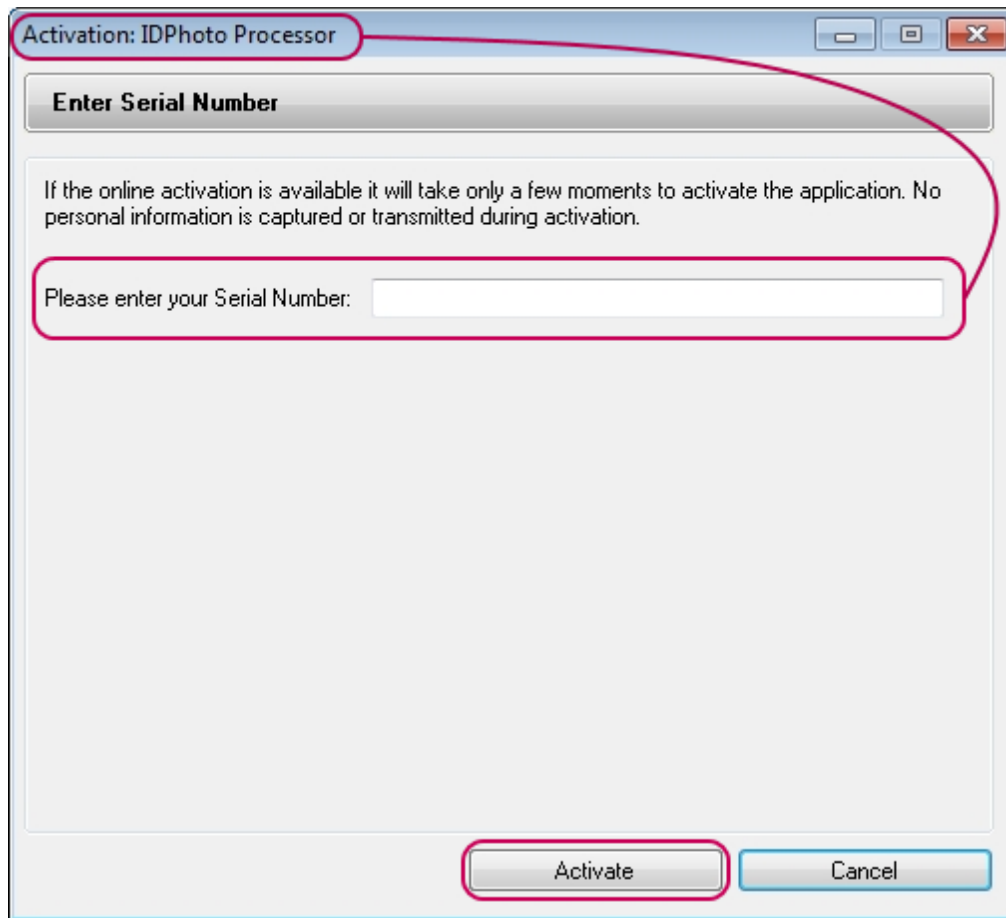
This way of activation requires Internet connection.

Upon initial launch of **IDPhoto Processor**, an activation wizard window appears. Press the **Activate** button to start activation of the application.

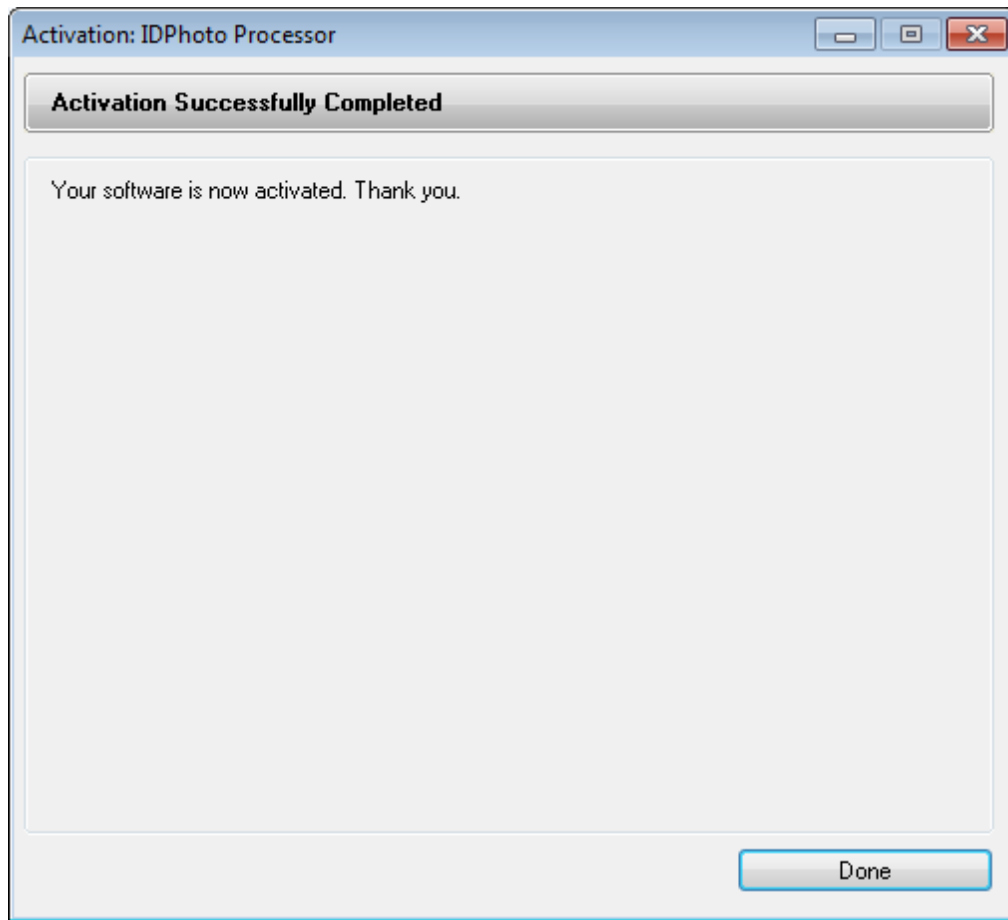


Please verify the name of the application being activated is the same as the name of the application indicated with the Serial Number.

Then enter the Serial Number and press the **Activate** button.



After that, the application will attempt to connect to activation servers. Several servers are made available for ensuring the reliability of connection. If the PC is connected to Internet and the connection succeeds, the activation of the application is completed. The activation wizard will inform you about it with the following message:

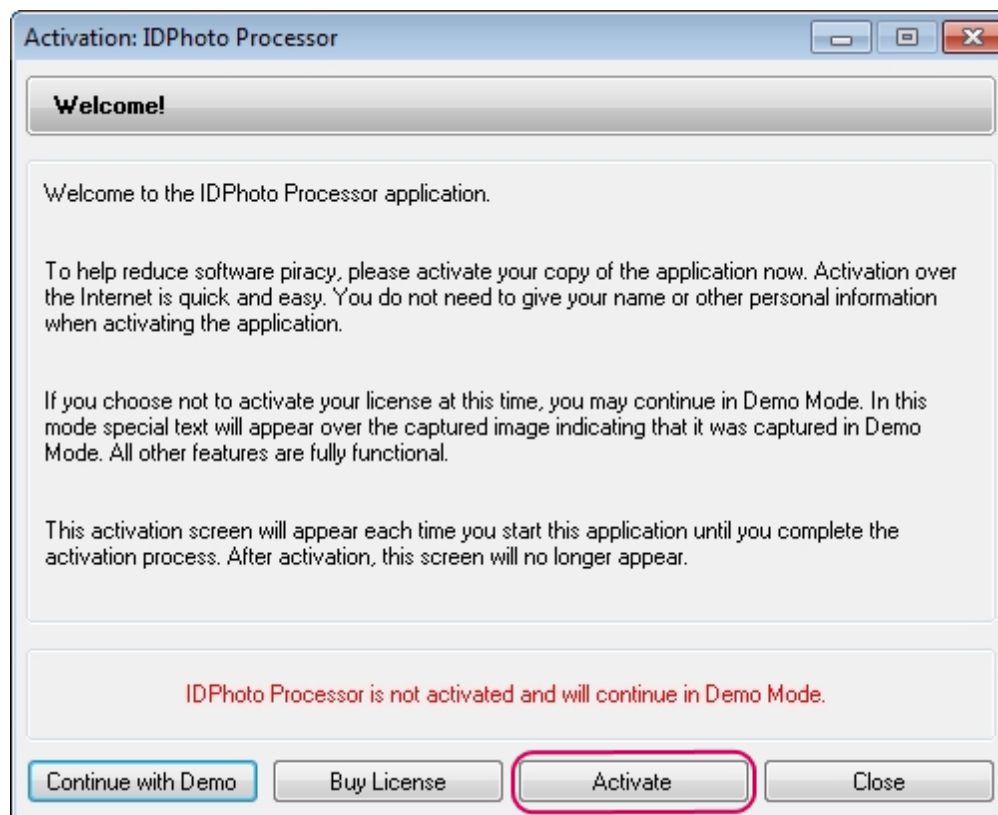


If the PC is not connected to Internet, **Offline** activation window will appear.

Activation Offline

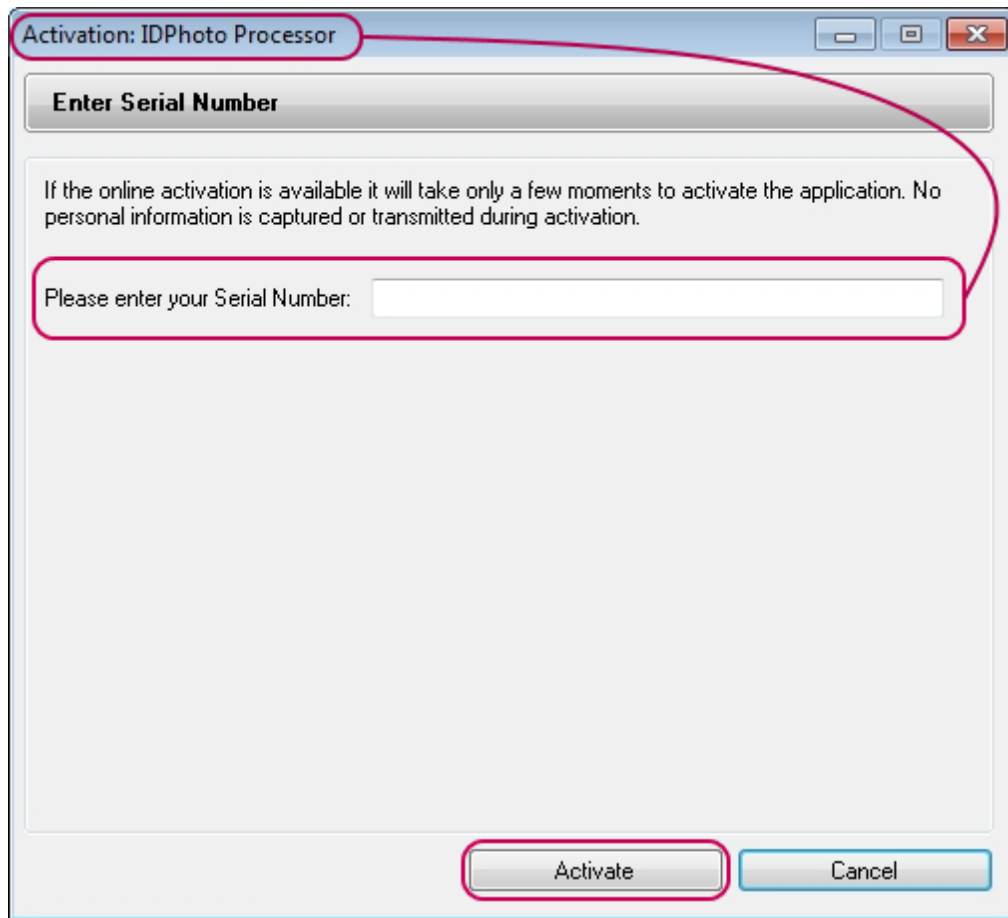
If the PC on which **IDPhoto Processor** is to be activated is not connected to Internet, then make use of the **Offline** activation. In such case, Serial Number validation is carried out via server, by the same way as when the **Online** activation used. The difference is that you may use any PC or device with Internet connection for sending the Serial Number. It is not mandatory to be the PC **IDPhoto Processor** has been installed on. For example, a user having no access to Internet from his/her job computer may activate the application using a phone or home computer. There are no constraints as to the time between sending the Serial Number to the server and entering the received reply code in **IDPhoto Processor** activation window. This can be done within any time period.

Upon initial launch of **IDPhoto Processor**, an activation wizard window appears. Press the **Activate** button to start activation of the application.

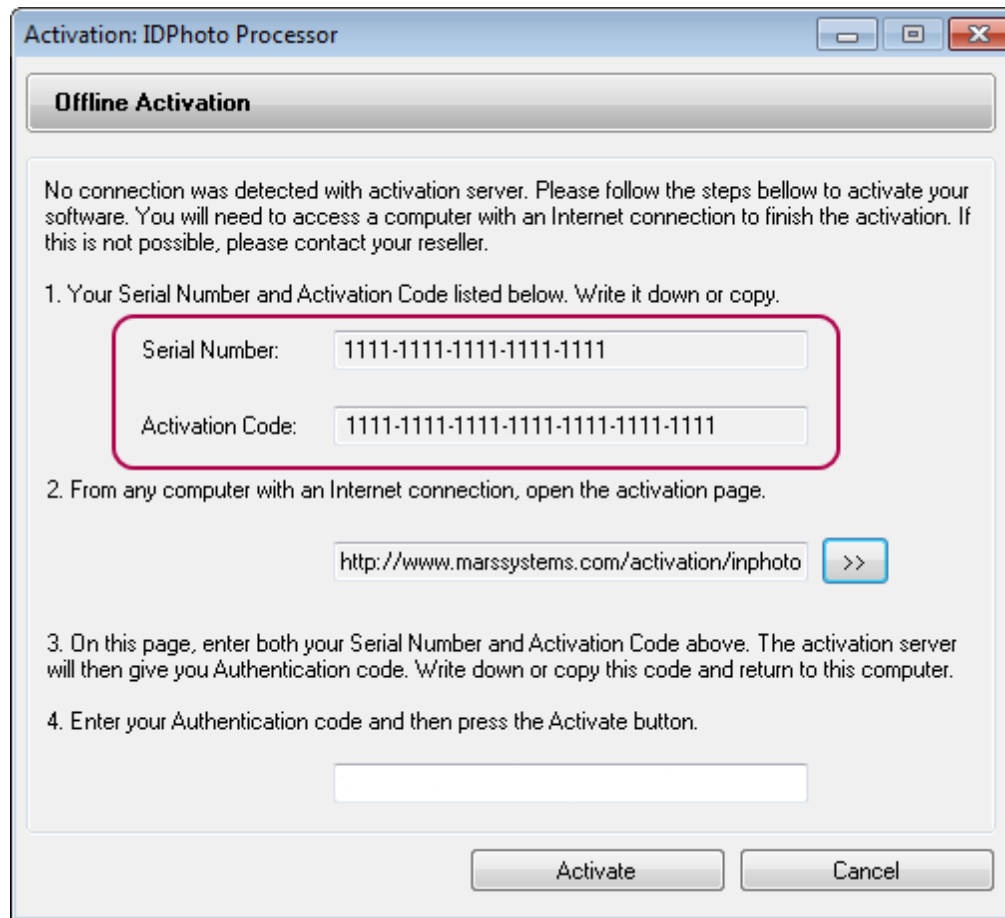


Please verify the name of the application being activated is the same as the name of the application indicated with the Serial Number.

Then enter the Serial Number and press the **Activate** button.

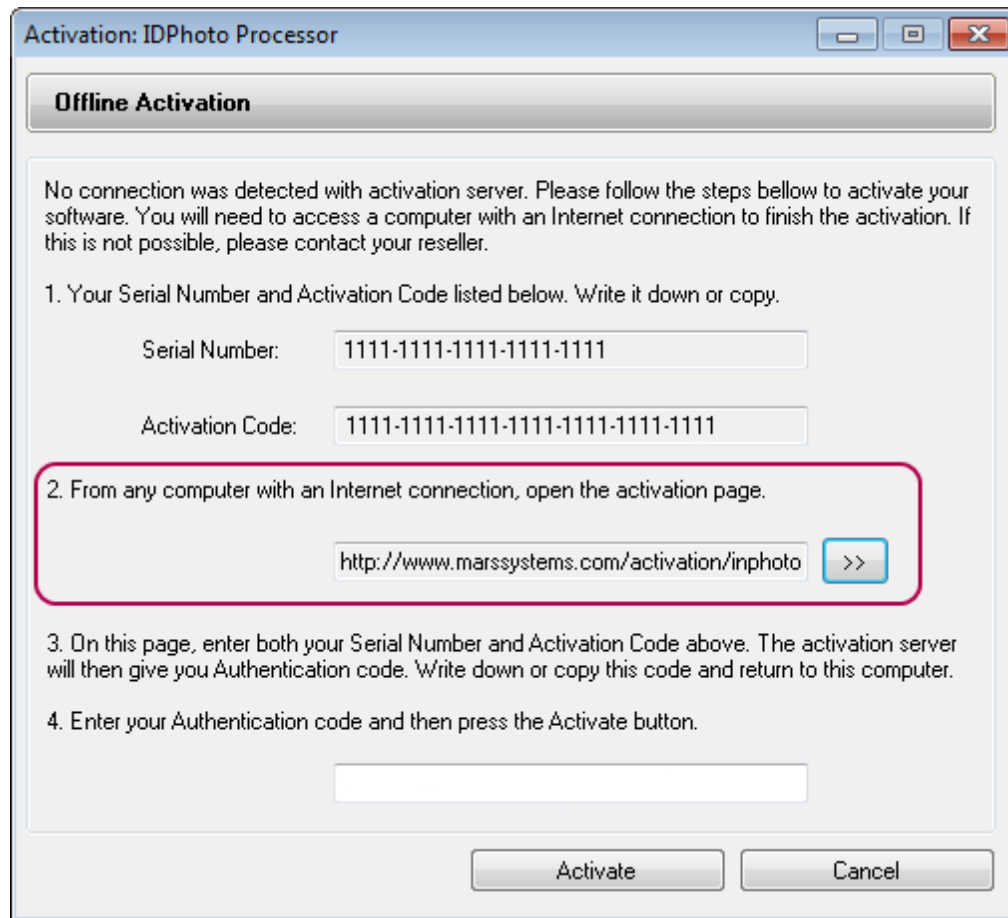


In the appeared window, please write down or copy the data from the **Serial Number** and **Activation Code** fields. These data are to be sent to the activation server. It is to be recalled that there are no constraints as to the time between sending the data to the server and entering the received reply code in **IDPhoto Processor** activation window. You may complete the **Offline** activation at your convenience.



You will need Internet connection to proceed with the activation.

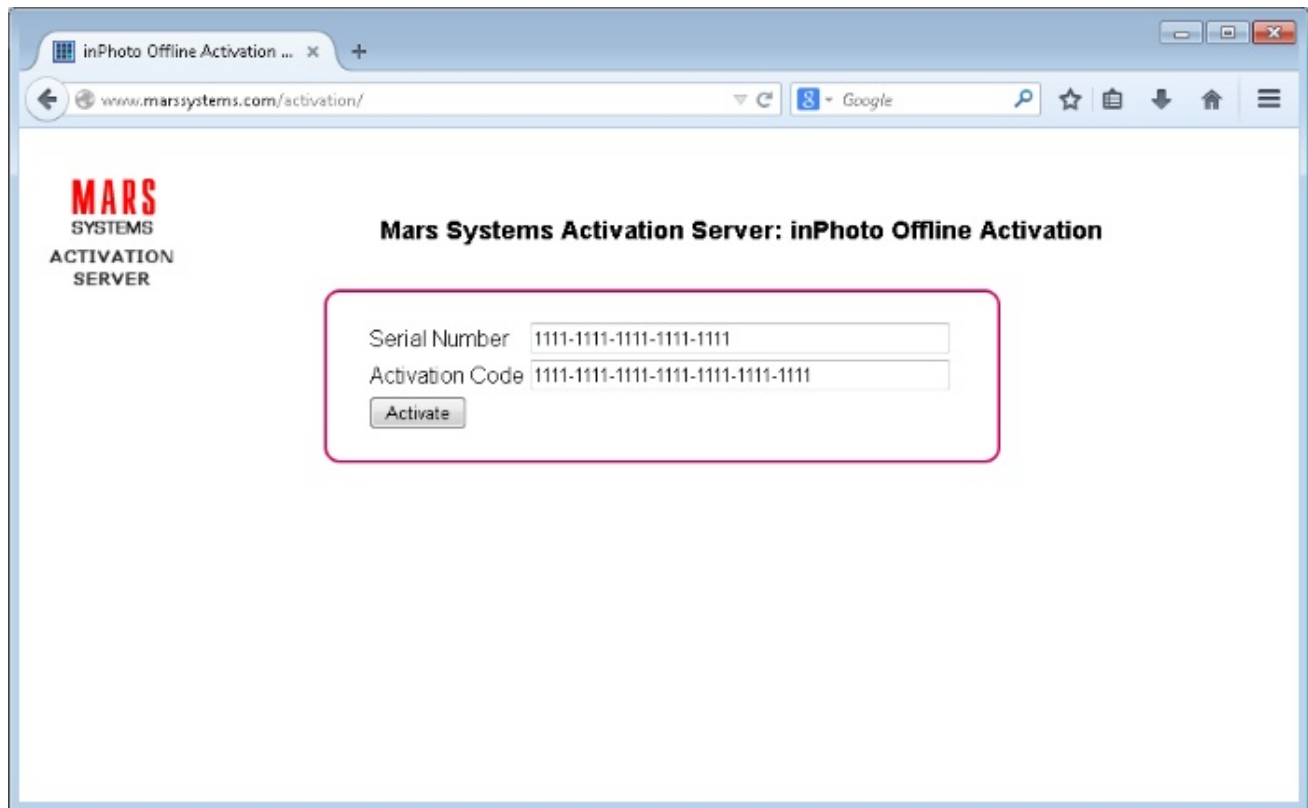
Use your browser to open the page specified in the field **2. From any computer with an Internet connection, open the activation page.**



Enter your Serial Number and Activation Code in the corresponding fields of the appeared form and press the **Activate** button.

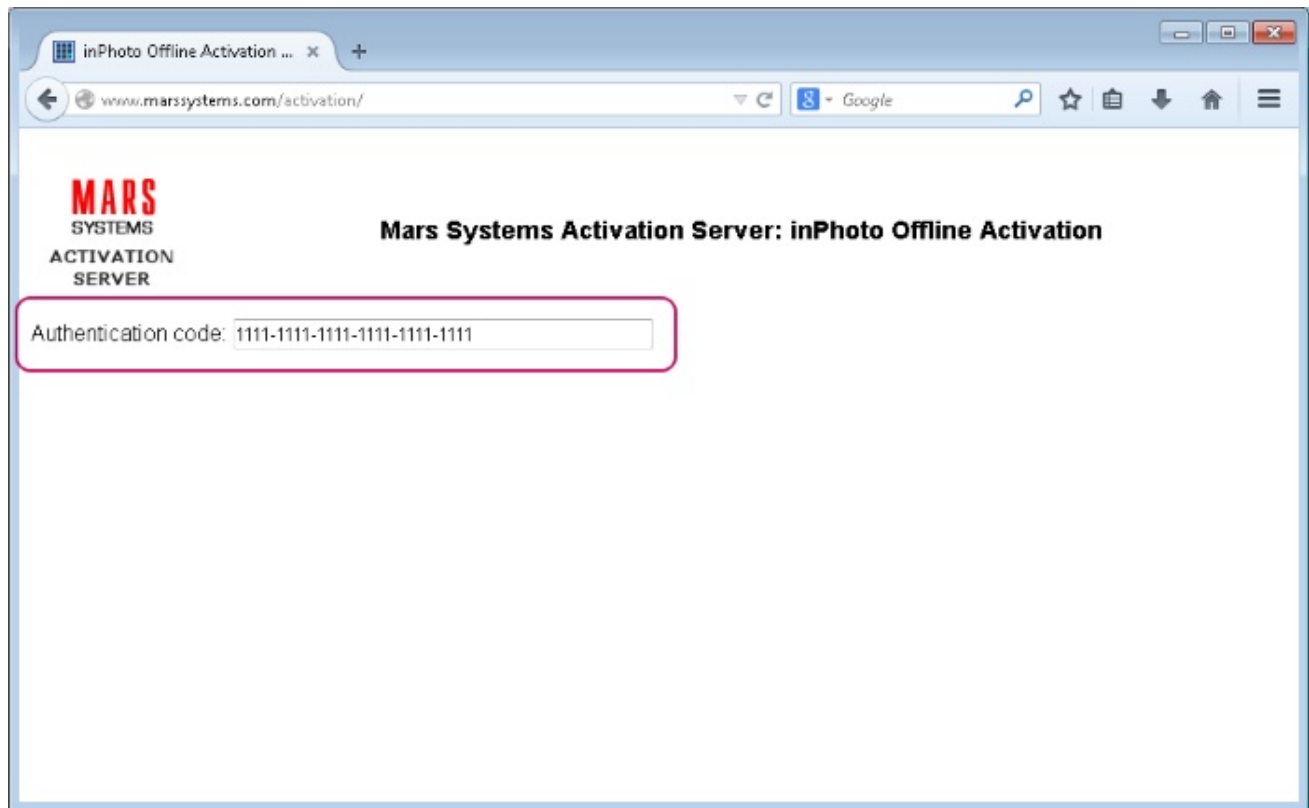
Please note: the data should be entered in the same format as they have been presented in the activation wizard window, i. e. by groups of 4 digits without spaces, separated by hyphens.

After having completed the input, press the **Activate** button.

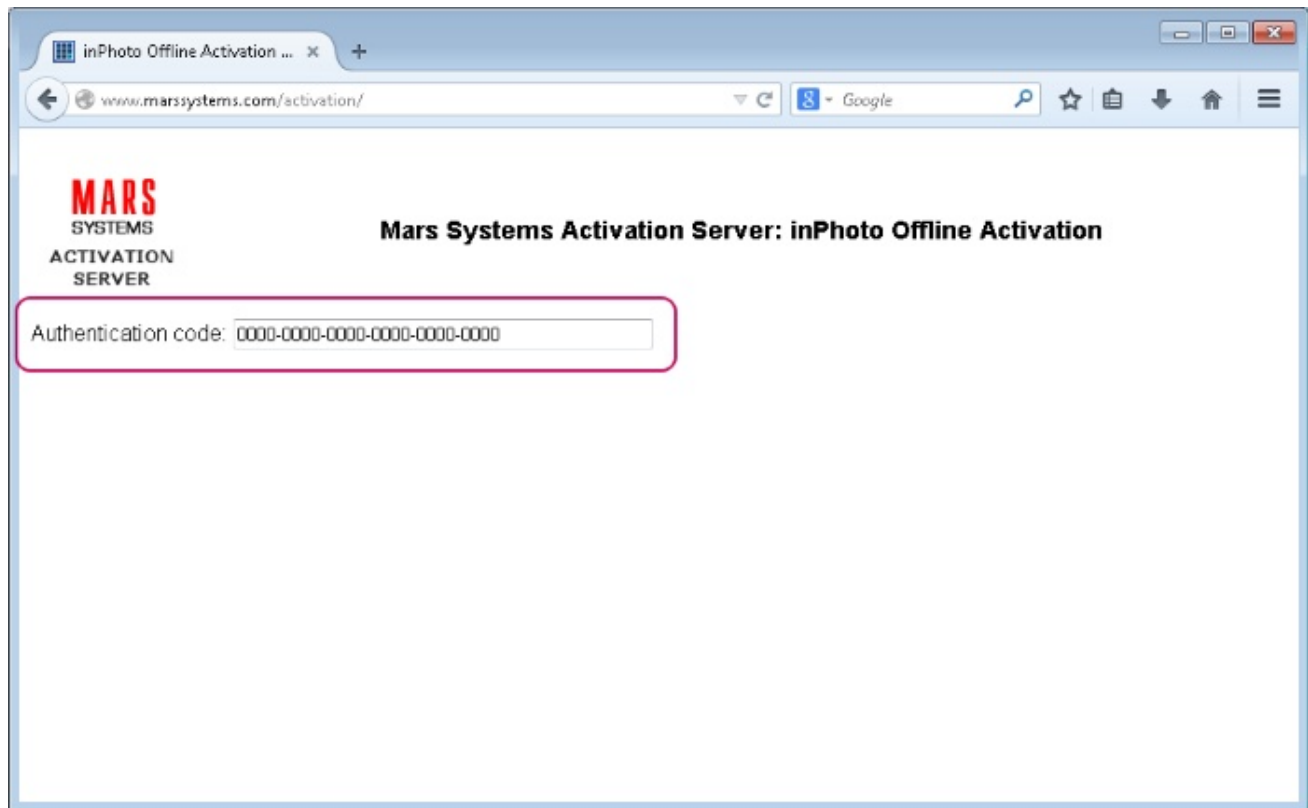


The screenshot shows a web browser window with the address bar displaying `www.marsystems.com/activation/`. The page title is "Mars Systems Activation Server: inPhoto Offline Activation". On the left side, there is a logo for "MARS SYSTEMS ACTIVATION SERVER". The main content area features a form with two input fields: "Serial Number" and "Activation Code", both containing the placeholder text "1111-1111-1111-1111-1111". Below these fields is an "Activate" button. The entire form is enclosed in a red rectangular border.

After that, the Authentication Code will be generated. Write it down or copy for subsequent entry into the activation wizard field.

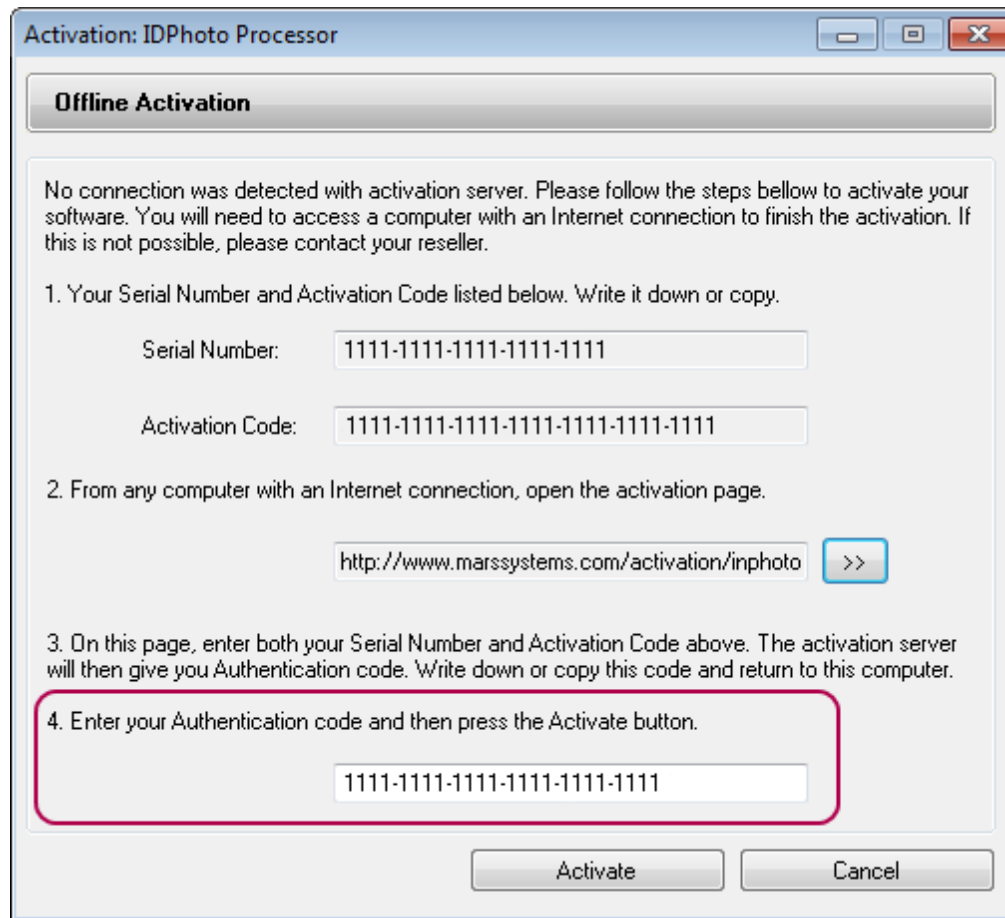


If the data are entered incorrectly, the Authentication Code will consist only of zeros. In such case, please check correctness of the data and the input format. Please note, your Serial Number and Activation Code should be entered by groups of 4 digits without spaces, separated by hyphens.

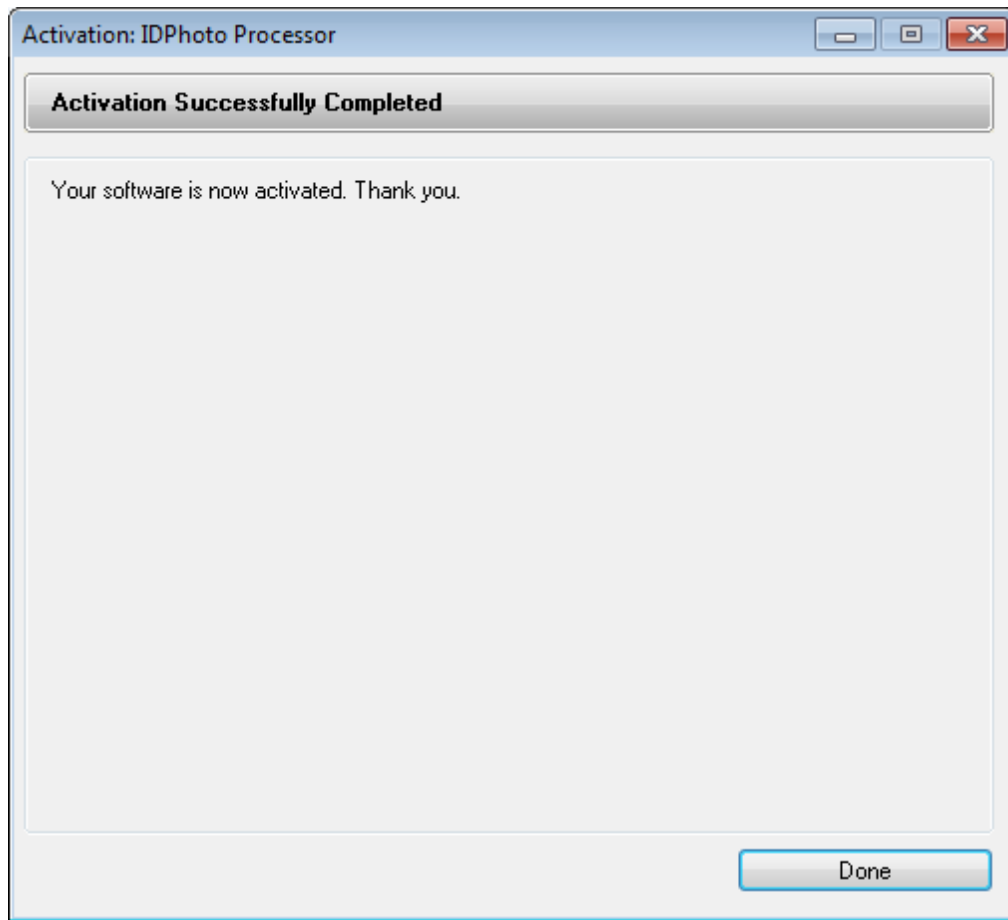


The screenshot shows a web browser window with the address bar displaying "www.marsystems.com/activation/". The page content includes the Mars Systems logo on the left, which consists of the word "MARS" in red, "SYSTEMS" in black, and "ACTIVATION SERVER" in black below it. To the right of the logo, the heading "Mars Systems Activation Server: inPhoto Offline Activation" is displayed. Below the heading, there is a text input field with the label "Authentication code:" and a placeholder value "0000-0000-0000-0000-0000-0000". The input field is highlighted with a red rectangular border.

Enter the received Authentication Code in the field **4**. **Enter your Activation Code and then press the Activate button.**



Now, the **Offline** activation is successfully completed. The application will inform you about it with the following message:



Chapter 2. Interface

The contents of the chapter are as follows:

[Main Window View](#)

[Interface Setting](#)

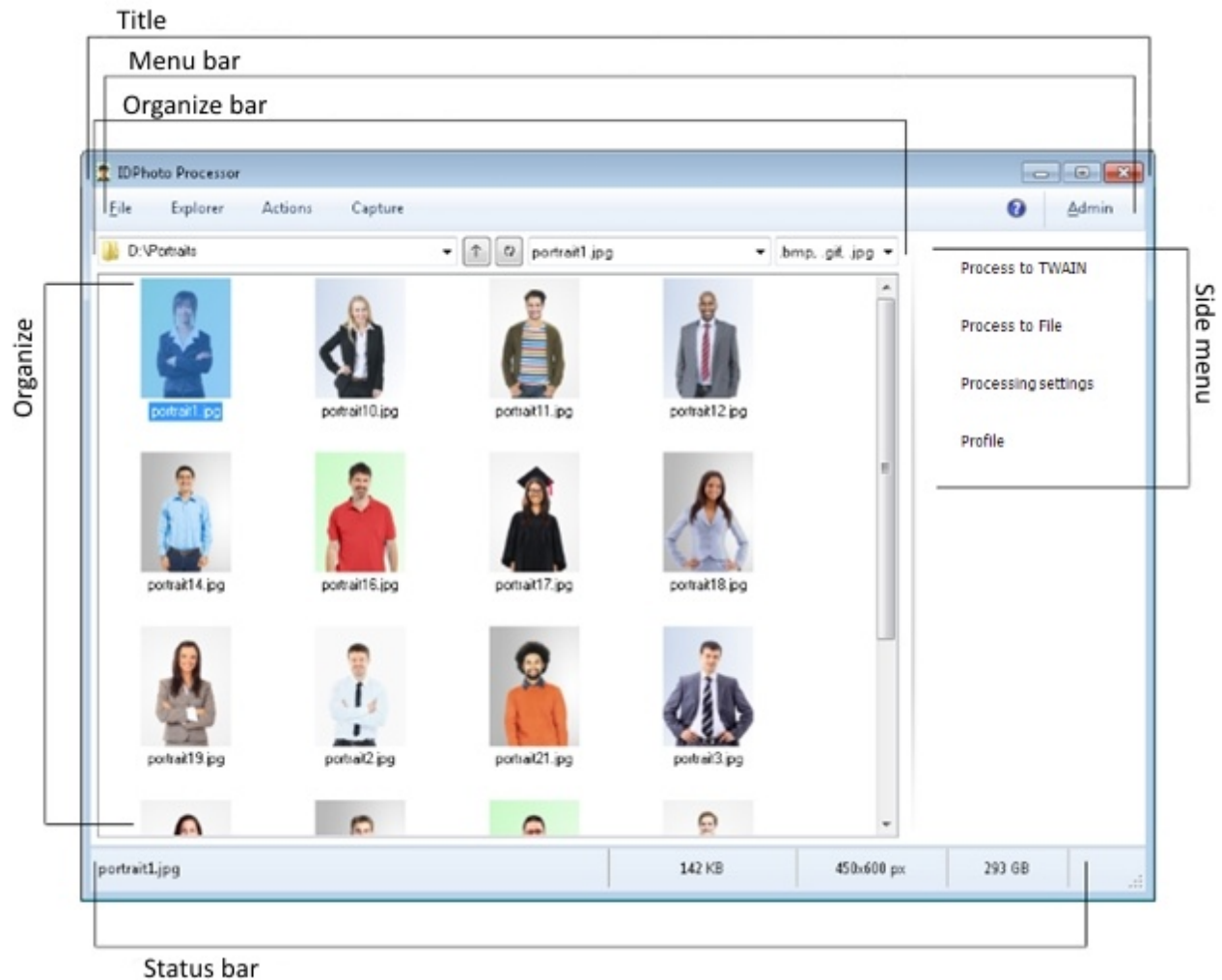
[Shorcuts](#)

[Work Completion](#)

Main Window View

The main window of **IDPhoto Processor** is the user's interface composed of six main elements.

The user can set the application window according to his/her needs and convenience.



Let's take a closer look at each of these elements.

The contents of the section are as follows:

[Window Title](#)

[Main Menu](#)

[Explorer Setup Toolbar](#)

[Side Menu](#)

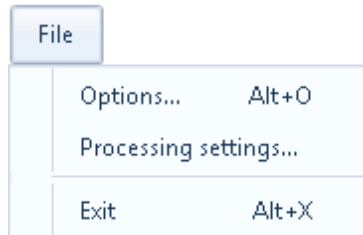
[Status Bar](#)

[Explorer](#)

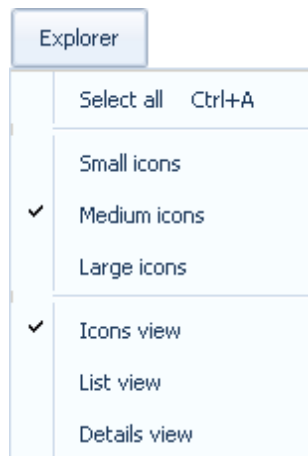
Main Menu

The main menu is designed for accessing different application functions.

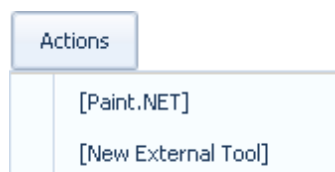
The **File** menu contains interface settings, image processing settings, resulting images saving settings, and external tools connection settings.



The **Explorer** menu contains the Explorer appearance settings: type of file view, icon sizes and the **Select all** option.

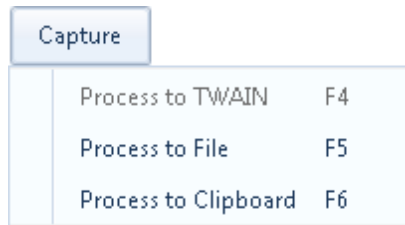


The **Actions** menu contains the list of the connected external applications. As you can see on the picture, **Paint.NET** is connected to the application in this case. An application can be added or deleted in the **File** menu -> **External tools** tab. Refer to the [Chapter 5. External tools](#) chapter for more details on working with external applications.

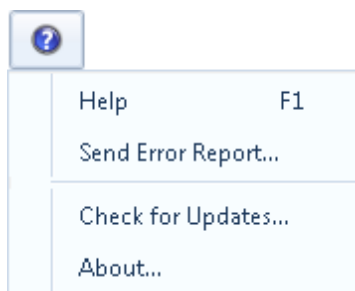


The **Capture** menu contains features of saving processed images to TWAIN, a file and a clipboard. The **Process to TWAIN** item is disabled by default. You need to establish connection with the

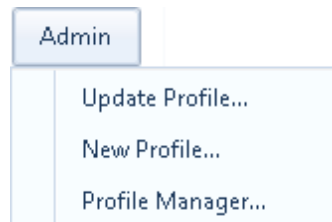
TWAIN driver to enable it. Please refer to the [Process to TWAIN](#) section for more details on saving data in TWAIN.



The **Help** menu contains help topics, update checks, application information and the function of sending an error report to the product developers.

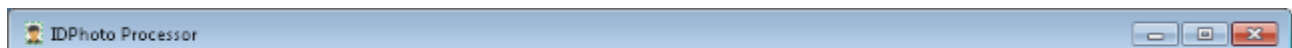


The **Admin** menu contains functions for working with profiles.



Window Title

The title of the window traditionally contains the application name and **Minimize**, **Change window size**, and **Close** buttons.



Explorer Setup Toolbar

The explorer setup toolbar contains a set of functions designated for setting up explorer appearance

and for convenience of explorer navigation.

The toolbar includes the following elements:

A folder tree



A key for moving up to the parent folder



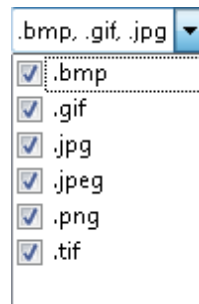
A button for explorer area update



A search box displaying the highlighted file name

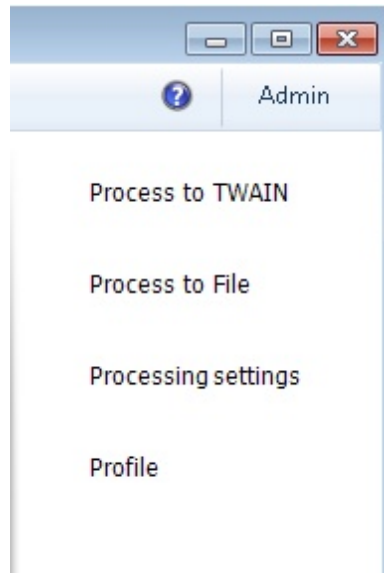


A drop-down for selecting extensions of the file which may be displayed or concealed in the explorer.

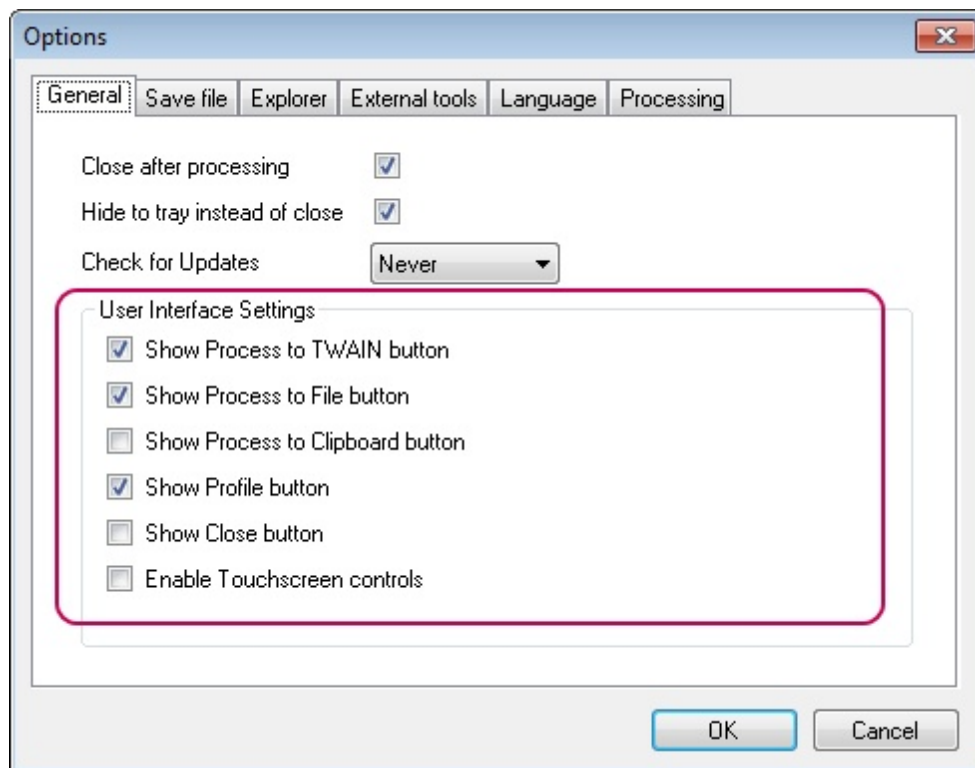


Side Menu

The side menu is created to bring additional convenience to the application interface and for a quicker access to the frequently used functions.



The appearance of the menu depends on the interface settings located in the **File** menu > **Options** > **General** tab > **User Interface Settings** section.



By default, the interface is set in such a way that not all, but only the most frequently used buttons are displayed in the menu.

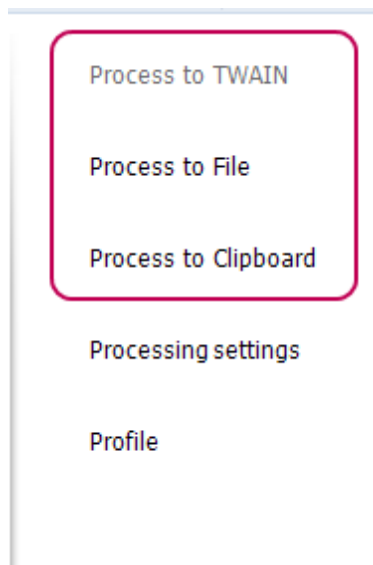


*If the **Process to File** and **Process to Clipboard** buttons are not active, select one or several images in the explorer.*

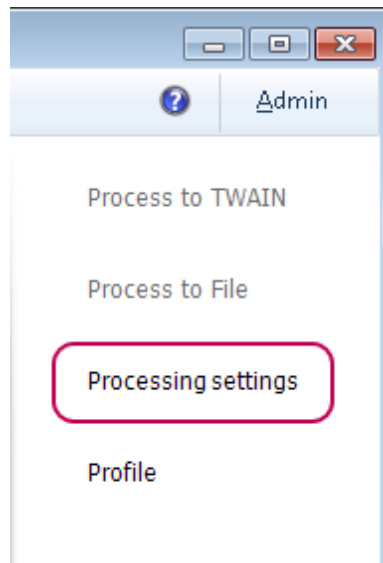
Let's take a closer look at the functions of each button.

The **Process to TWAIN**, **Process to File** and **Process to Clipboard** buttons run the image processing process with subsequent saving of the results. Actions started with the buttons differ only by locations to which the processing results will be saved. **Process to TWAIN** saves the processed images to the application or the device with which the connection is established through the TWAIN driver. If the connection through the TWAIN driver is not established, the button will not be active. **Process to File** saves the processing results to the specified place on the drive. **Process to Clipboard** saves images to the clipboard.

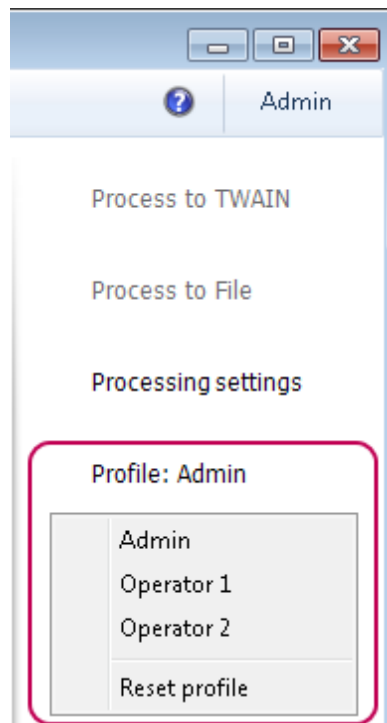
More details on the processing process may be found in the [Processing](#) chapter.



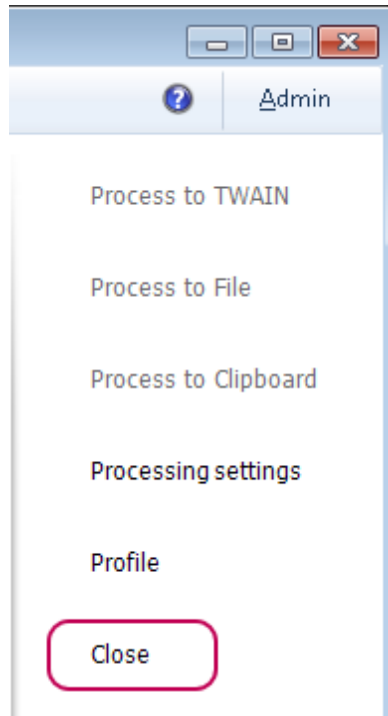
The **Processing settings** button calls up the **ID Image Processing** dialogue that contains all the settings regulating image processing: face detection settings, bounding box and subsequent framing settings, correction settings, resulting image size settings. More details on the processing settings may be found in the [Processing Settings](#) chapter.



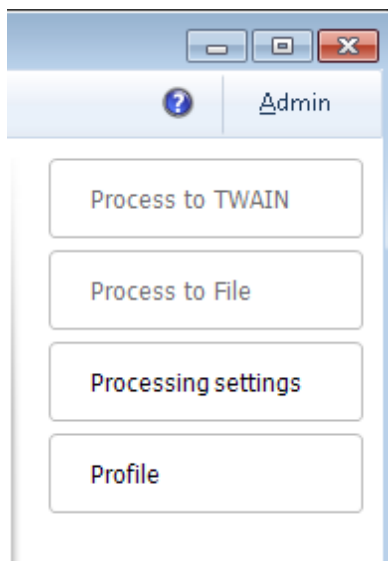
The **Profile** button calls up the menu consisting of the list of all profiles created in the application and the **Reset profile** item. The menu allows applying or cancelling the profile for the current application session. To apply the profile, just select it from the list. Then, the specified profile will be displayed on the **Profile** button. To reset the profile, choose the **Reset profile** item from the menu. After that, the profile name will disappear from the **Profile** button. If the **Reset profile** item is not available in the menu, the profile for the current application session is not set. More details on working with profiles may be found in the [Profiles](#) chapter.



Close button closes the application or minimizes it to tray depending on the status of the **Hide to tray instead of close** setting. More details on closing the application may be found in [Work Completion](#) chapter.



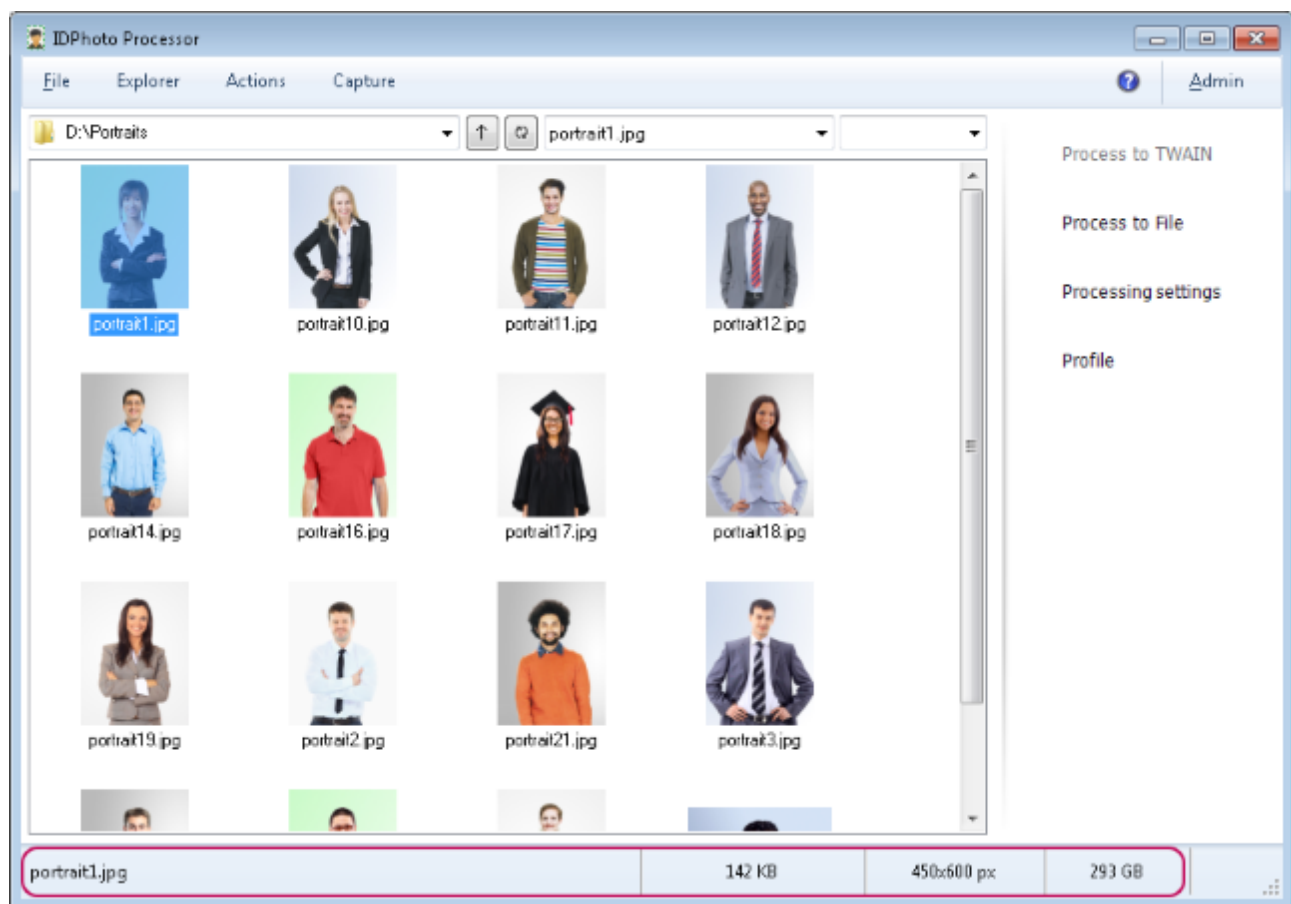
For your convenience, the side menu interface in TouchScreen devices may be made button-operated. For this purpose, enter the **File** menu > **Options** > **General** tab and enable the **Enable Touchscreen controls** setting.



Status Bar

The status bar is meant for displaying the information needed in the course of work. This area is divided into four sections. In the first section, the name of the highlighted image is displayed from left to right. The second one provides the information on the amount of the space occupied by the image on the drive. The third one is about image size in pixels. The fourth one displays the amount of free space on the drive.

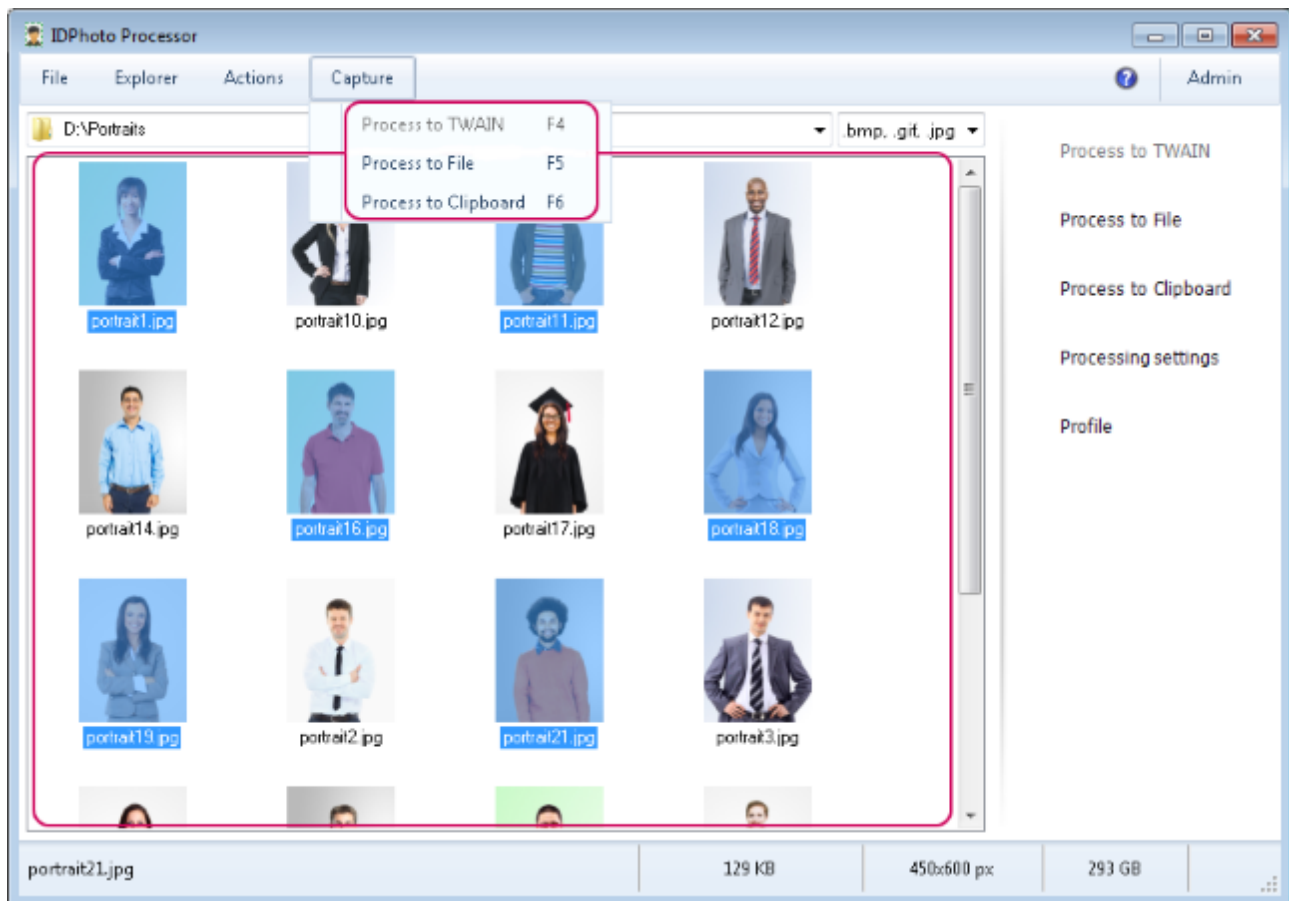
More details on saving images may be found in the [Saving Processed Images](#) chapter.



If no image is selected in the explorer, only the amount of free space on the drive will be displayed in the status bar. If multiple images have been selected at a time, the information on the last image will be shown in the status bar.

Explorer

The explorer is an image file manager. It allows saving images to TWAIN, a file or a clipboard, running an external application, calling up image properties window. Select one or several images to make the listed options available.



Selection of images in the **IDPhoto Processor** explorer is carried out with the same combination of buttons which is used for selecting objects in the Windows operating system.

Ctrl + A allows selecting all images in a folder at a time. All photos can also be selected through the **Explorer** main menu > **Select all**.

To select a range of images, press and hold **Shift** button; with holding **Shift** button simultaneously, select the first and the last images of the range with the mouse.

To select several separate images, press and hold **Ctrl** button; simultaneously with holding the **Ctrl** button, select the required images with your mouse.

To deselect the images, please also use the **Shift** and **Ctrl** buttons.

Interface Setting

The setting of main window interface in **IDPhoto Processor** is flexible. The user can choose to change appearance of the side menu and the explorer as well as to switch the language of the interface.

Let's take a closer look at how it works.

The contents of the chapter are as follows:

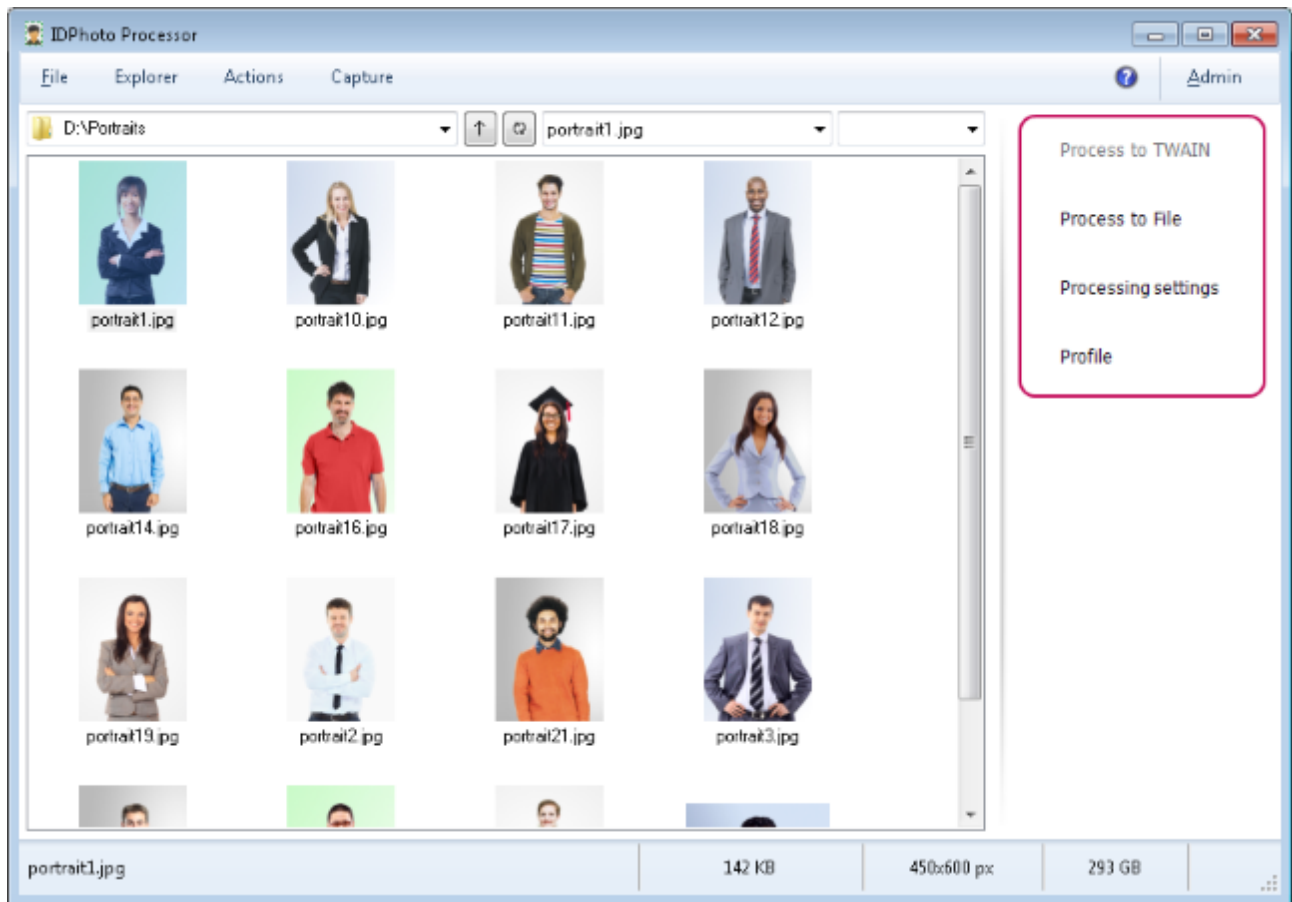
[Side Menu Interface](#)

[Language Switching](#)

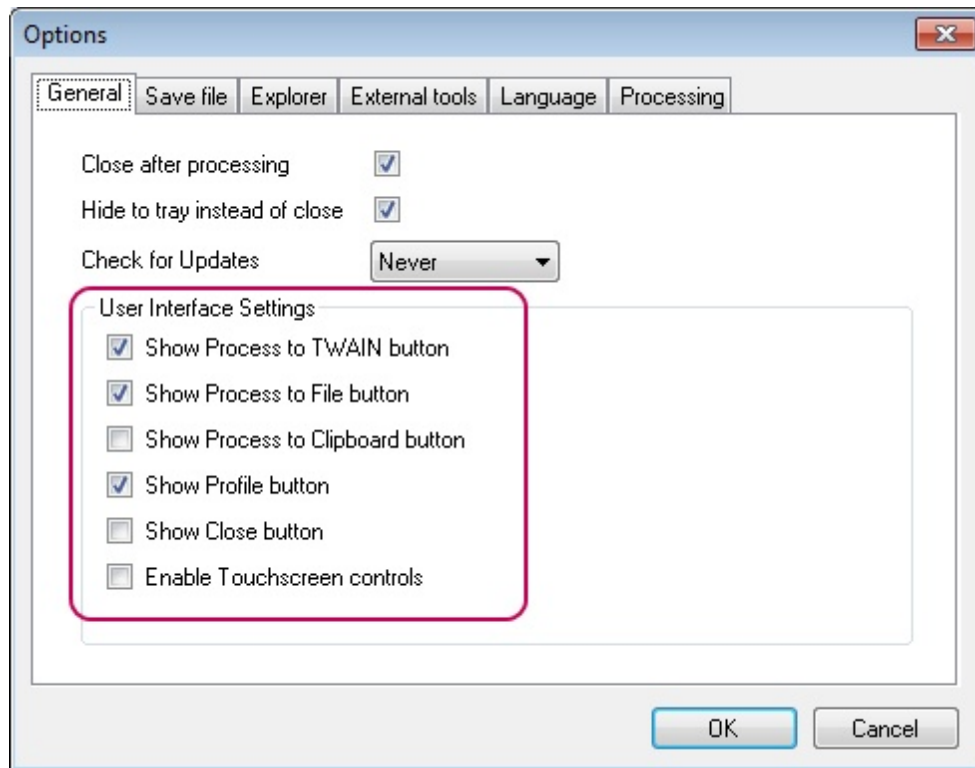
[Explorer Appearance](#)

Side Menu Interface

The side menu is designated for more convenient and quicker access to the frequently used functions.



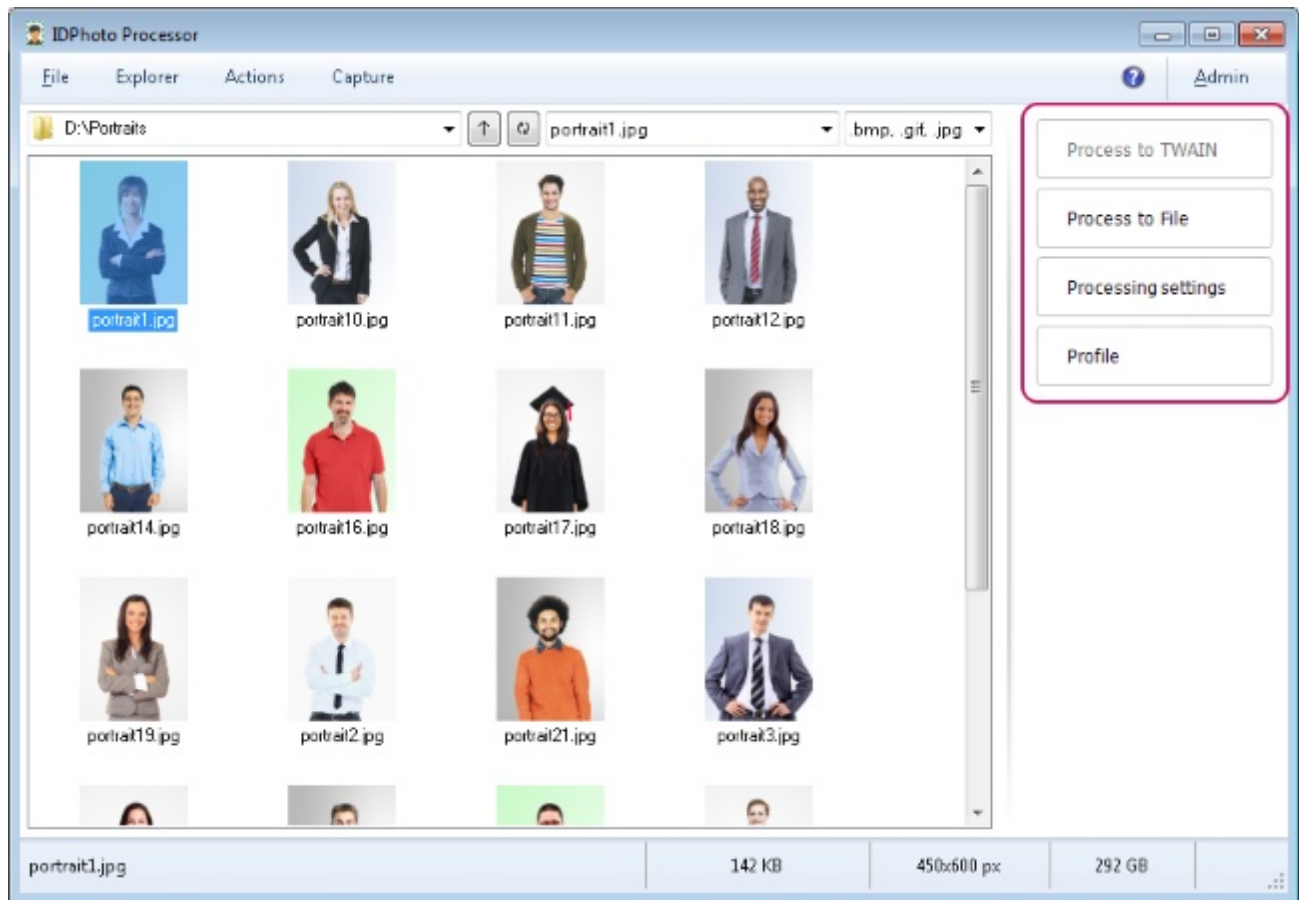
All the side menu interface settings are located in the **File** menu > **Options** > **General** tab > **User Interface Settings** section.



By using settings from this section, you can display or hide any button from the side menu except for the **Processing settings** button. Displaying of only the most frequently used buttons is set by default. The table with the setting names and respective displaying buttons is given below.

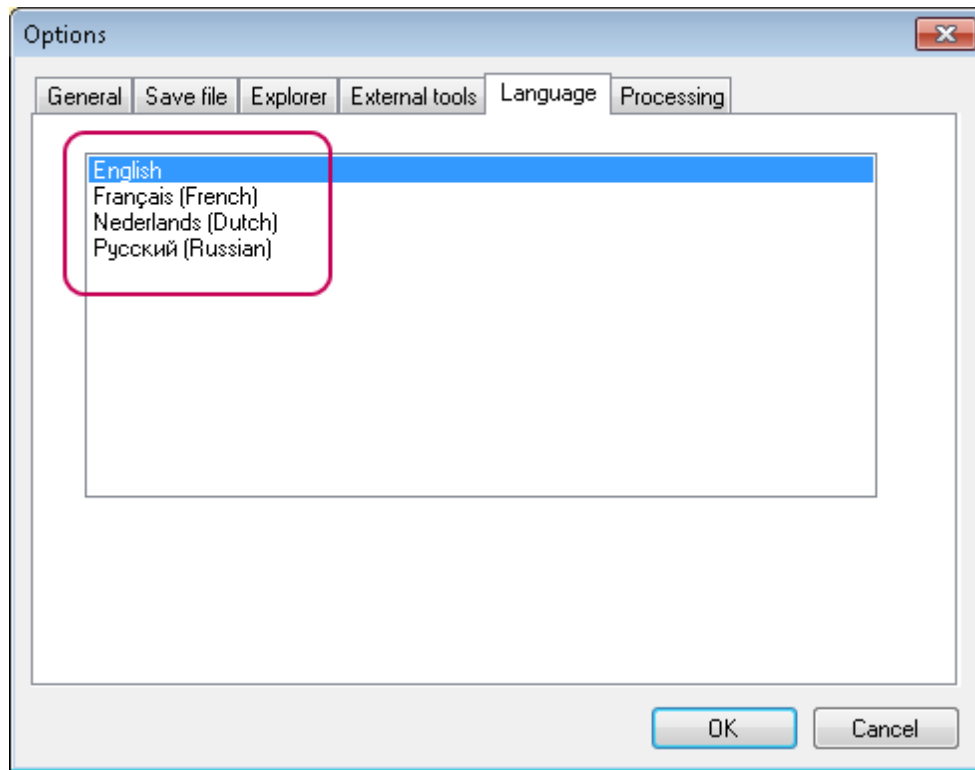
Show capture to TWAIN button	Process to TWAIN
Show capture to File button	Process to File
Show capture to Clipboard button	Process to Clipboard
Show Profile button	Profile
Show Close button	Close

The last setting in this section is **Enable Touchscreen controls**; it changes the side menu interface to the one that is more convenient for the usage in touch-screen devices.

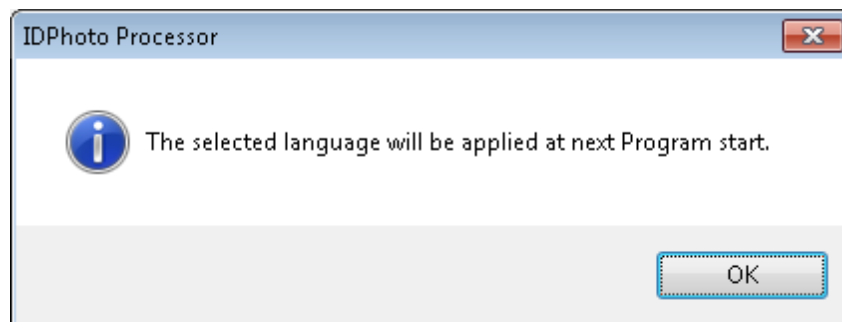


Language Switching

You can select and set the application interface language in the **File** main menu > **Options** > **Language** tab. The English, French, German and Russian languages are currently available.



For switching to the necessary language, select it from the list and close the dialogue with **OK** button. Then, the application will inform you that the selected language will be applied upon the next start-up of the application.

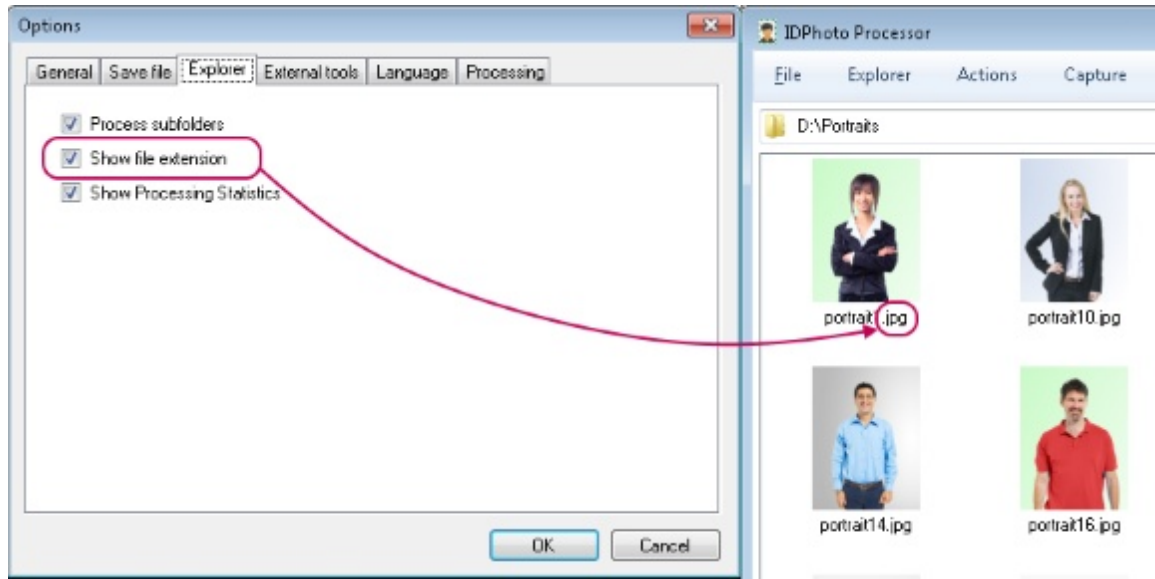


Explorer Appearance

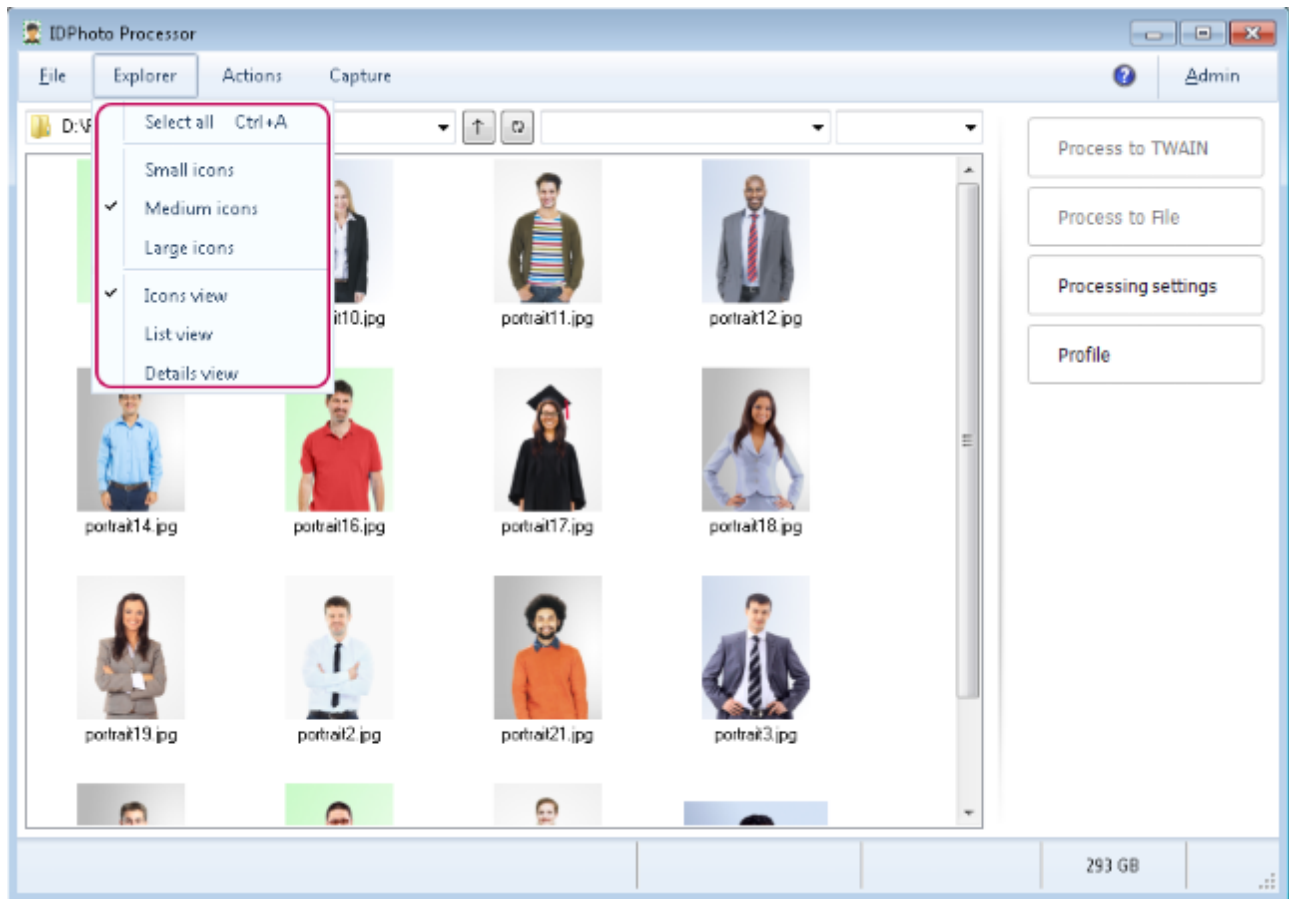
Now we only have explorer appearance settings that have not been viewed. They are located in the **Explorer** menu, in **File** menu > **Options** tab > **Explorer** and in the toolbar located above the explorer.

In the **Explorer** tab, you can find the **Show file extension** setting. You can use it to enable and

disable displaying file extensions in the explorer.

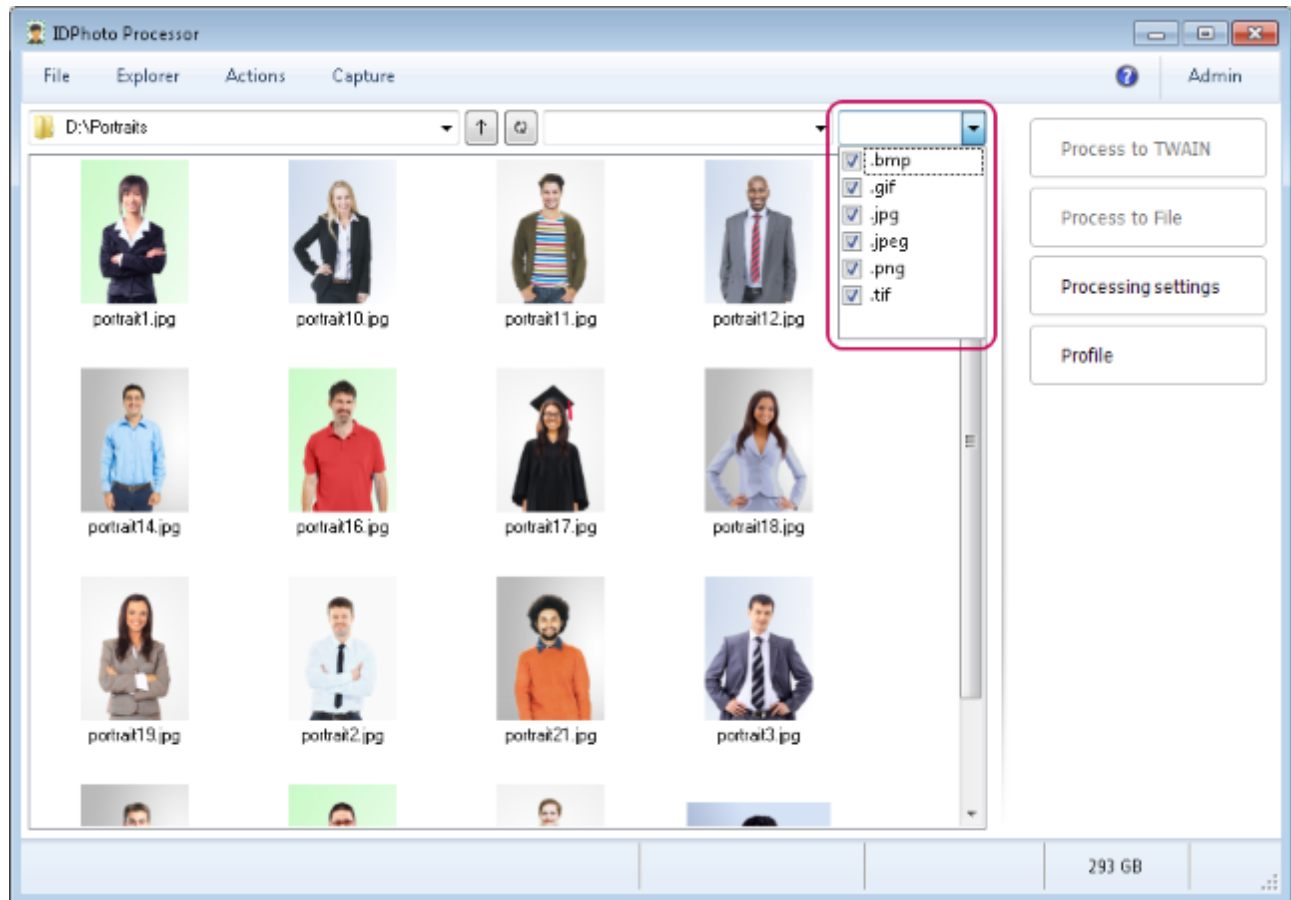


The features allowing you to select explorer view and icon size are presented in the **Explorer** menu.



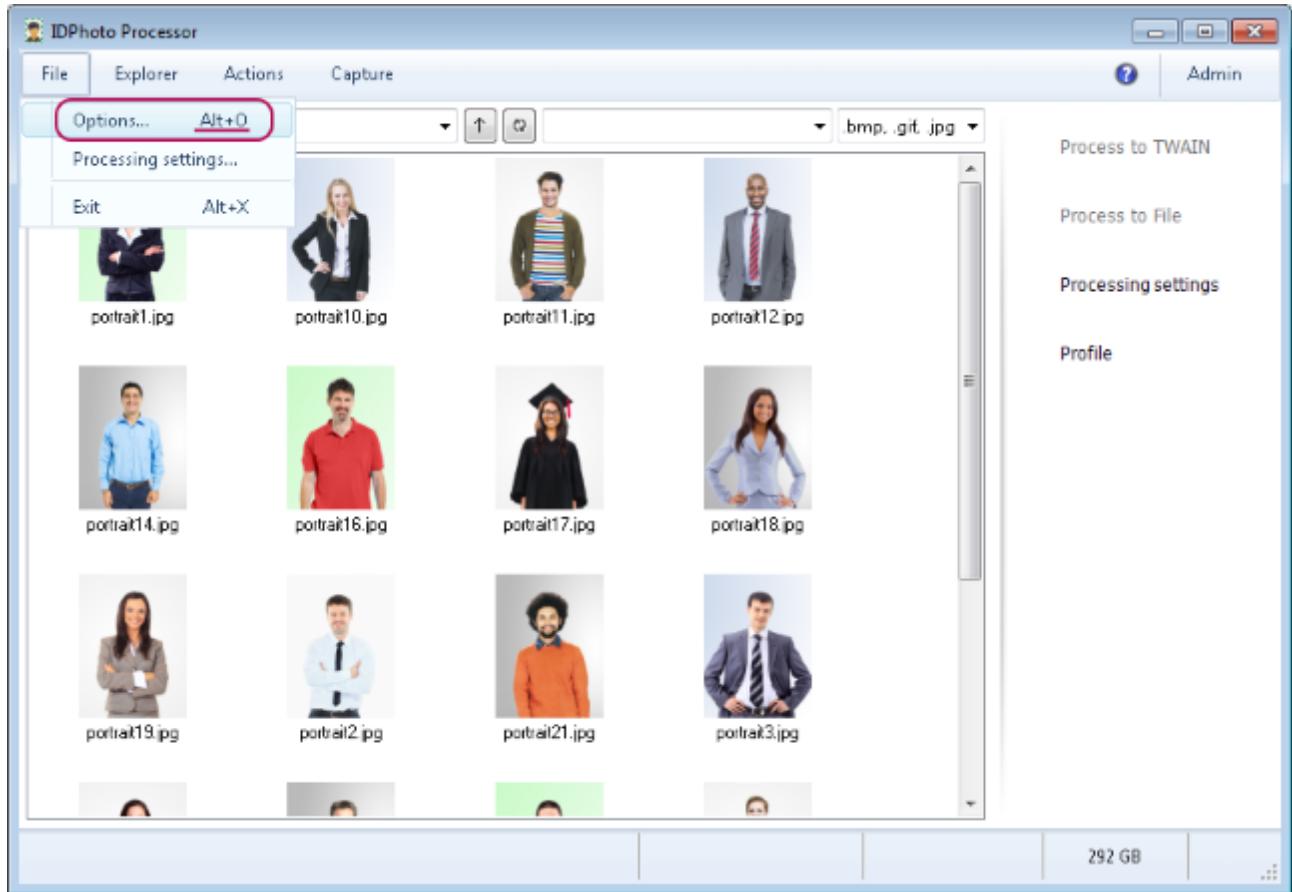
The last element located in the upper panel also influences the explorer appearance. It allows

selecting the formats of files that will be displayed in the explorer and the formats of files that will be hidden.



Shortcuts

You can get access to many **IDPhoto Processor** commands not only from the menu, but also using shortcuts. If a shortcut corresponds to a certain menu item, then it is indicated on the title of this item.



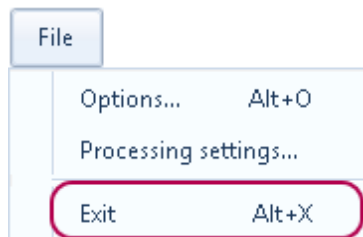
The full list of the shortcuts and commands related to them is provided below.

Alt+O	Calls up the Options dialogue window
Alt+X	Closes IDPhoto Processor
Ctrl+A	Selects all files and folders in the explorer
F4	Starts up Process to TWAIN
F5	Starts up Process to File
F6	Starts up Process to Clipboard
F1	Calls up the help file
Esc	Closes the ID Image Processing dialogue and interrupts processing if it has been started.

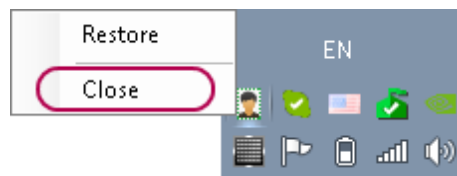
Work Completion

There are four ways to complete **IDPhoto Processor** operation.

The first way: enter the **File** menu and choose **Exit**. This command always finishes work of the application irrespective of the value of the **Hide to tray instead of close** setting described below.



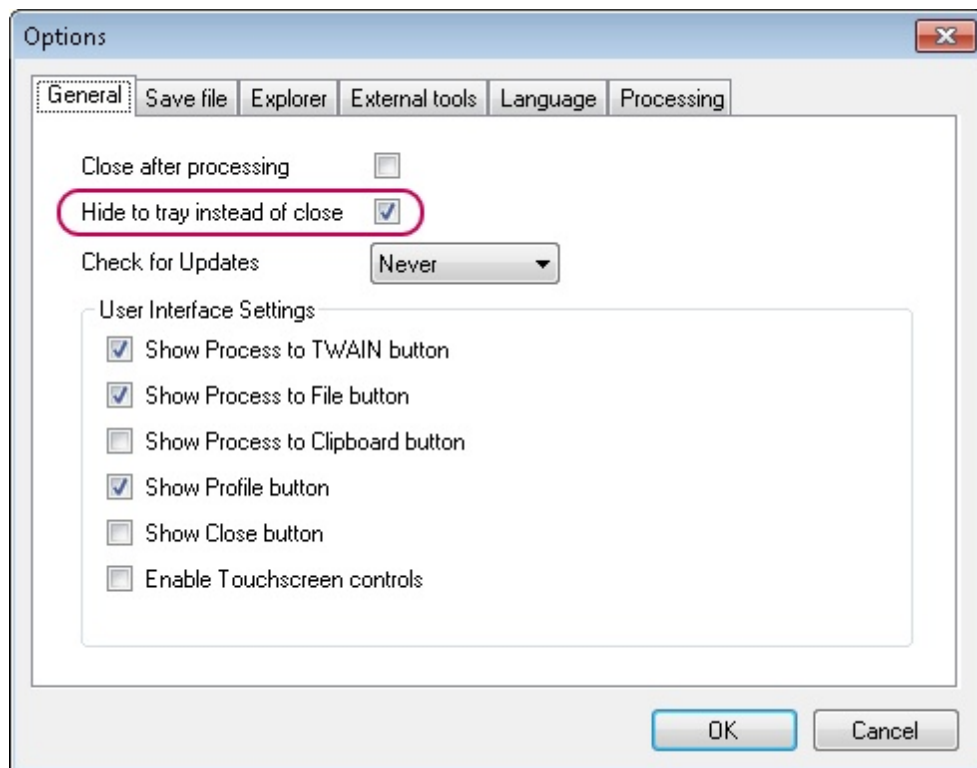
The second way is applicable if the application is minimized to tray. In this case, call up the context menu on the application icon and choose **Close**.



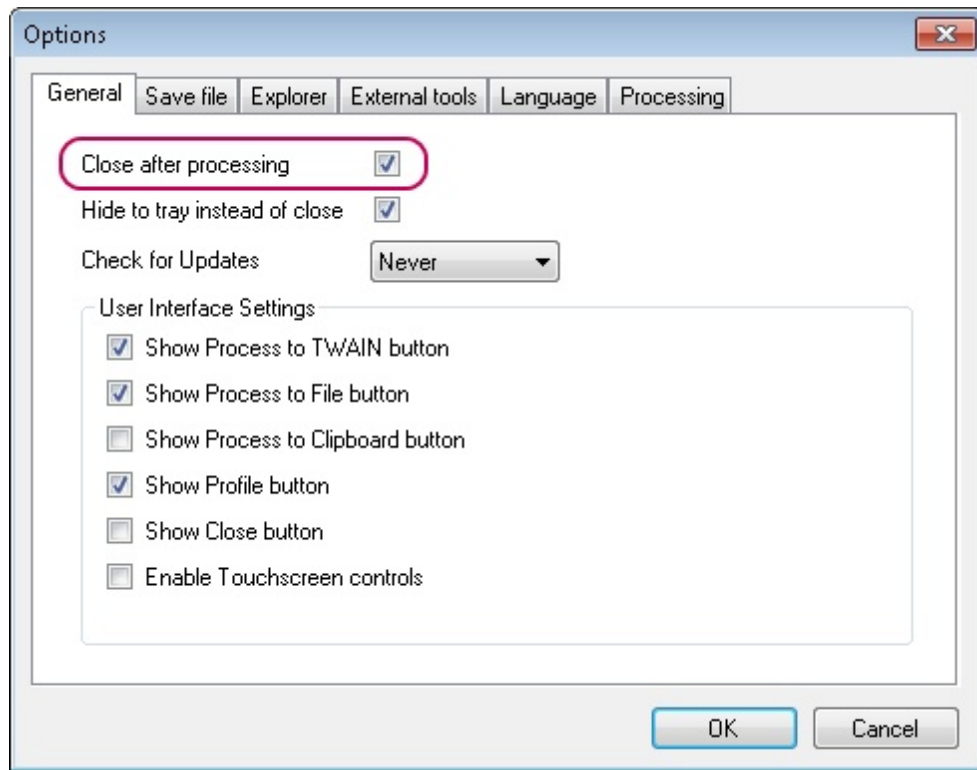
The behaviour of the application when closing it in the two following ways will depend on the value of the **Hide to tray instead of close** setting.


Hide to tray instead of close replaces closing **IDPhoto Processor** by minimization to tray. The setting influences closing of the application with the **X** button in the main menu title and its automatic closing after processing if the **Close after processing** setting is enabled. The setting does not influence closing the application through the **File** main menu > **Exit**. The application will always close when using **Exit**.

Hide to tray instead of close is located in the **File** main menu > **Options** > **General** tab. The setting is enabled by default.



The third way: enter the **File** menu > **Options** > **General** tab and enable the **Close after processing** setting. If this setting is enabled, the application will complete its work after processing. Whether the application will close completely or will be minimized to tray depends on the value of the **Hide to tray instead of close** setting described above.



The fourth way: complete the work of the application with the  button in the window title. Whether the application will close completely or will be minimized to tray depends on the value of the **Hide to tray instead of close** setting.

Chapter 3. Processing Settings

Processing is the key function of the application. This chapter will describe all processing functions, settings and options in **IDPhoto Processor**.

The processing procedure can be divided into several stages.

- Downloading photos from the selected source.
- Automatic face detection and framing.
- Setting up image composition (aspect proportions, face positioning, rounded corners etc.).
- Parameters of photo volume, quality and size after processing.
- Image correction (setting up contrast, brightness, gamma etc.).
- Setting up carrying out of the processing procedure if no face has been detected on the photo.
- Saving processing results.

The contents of the chapter are as follows:

[General Settings](#)

[Saving Processed Images](#)

[ID Image Processing dialogue](#)

[Actions](#)

[Statistics](#)

[Processing Completion](#)

General Settings

The settings regulating carrying out of the processing procedure can be found in the **Options** dialogue of the **Processing** tab.

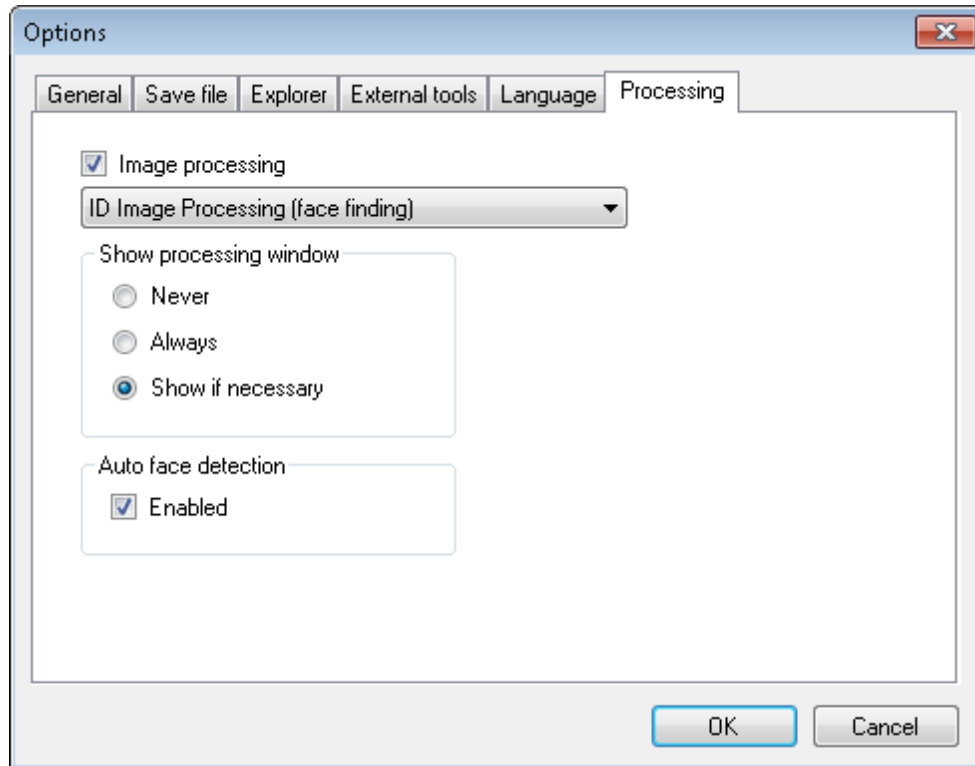


Image processing allows enabling or fully disabling image processing. When it is enabled, you can select a processing parameter in the drop down below. For **IDPhoto Processor**, this parameter is **face finding**.

Show processing window setting regulates in which cases the image processing dialogue should be shown to a user.

Show if necessary means that the dialogue will be called up only if the user's interference is required. If the face has been found and the outer box of the frame fits completely in the image, the processing was successful and no dialogue will be shown to the user. If the face is not found or is found, but is too close to the image border while the outer box is not fitting in the image then the application will call up the dialogue, so that the user is able to make corrections manually and choose a further action. This may include saving the image with default settings or with settings modified by the user, skipping the image or cancelling the whole processing procedure.

Always means that the processing dialogue will always be shown. Also in those cases when processing is going well. This application behaviour allows the user to control the processing procedure.

Newer means that the processing dialogue will not be called up. This option is applied when complete withdrawal of human involvement in the processing procedure is required. In such a case, the user can initiate processing and be off, then come back when the result will be ready. So what happens with the images that failed to be processed?

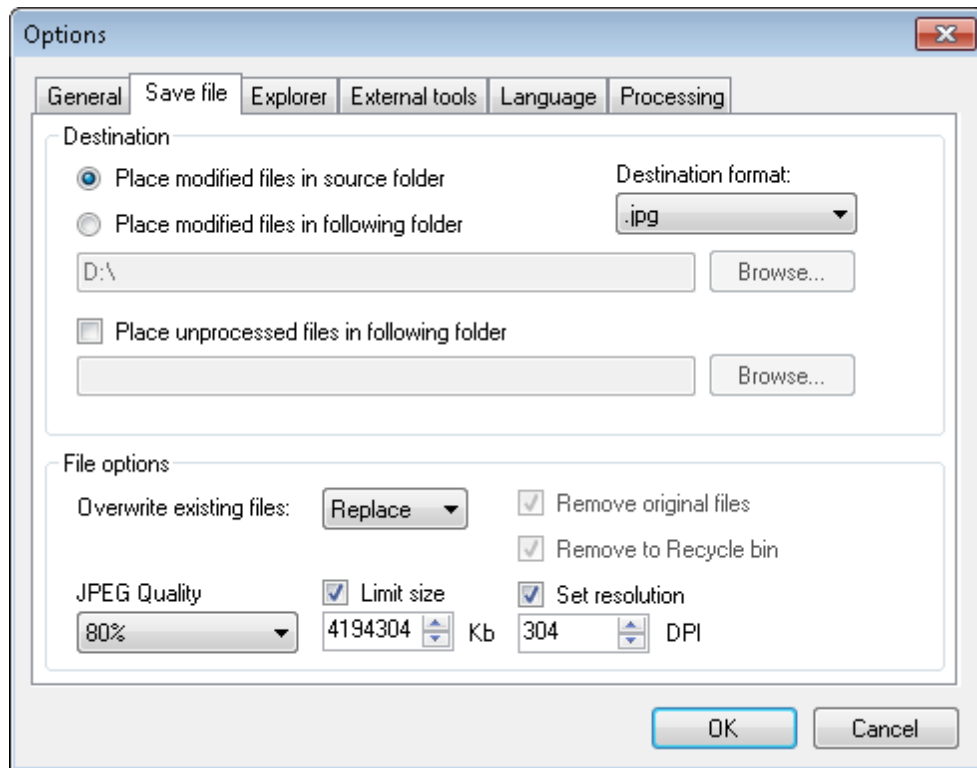
If a face is not detected on the photo, the image will be saved without changes, i. e. the resulting image will not differ in any way from the original one. When the face is found, but the outer box does not fit in the image, the image will be cropped after its predefined borders.

In the scenario with **Newer** value, it is practical to use the **Place unprocessed files in following folder** option. It allows collecting all unprocessed images in one folder and then processing them manually. For manual processing, change the value from **Newer** to **Always**.

Auto face detection is the last section on this tab. Only **Enabled** setting is contained here; it indicates whether the application will search a face during the processing or not. The processing mode with enabled search may be required when the user prefers outlining the face area by himself/herself. For example, this is convenient for the photos of several persons. In such a case, it is more practical to search the face in the processing dialogue manually. Then all other operations, like framing, size setting etc., will be carried out manually.

Saving Processed Images

It is necessary to set up the saving parameters of the resulting images before starting the processing procedure. The settings can be found in the **File** menu > **Options** > **Save file** tab.



Let's look at what settings can be found within the **Destination** section.

Place modified files in source folder saves processed images to the same folder in which the source photos are located.

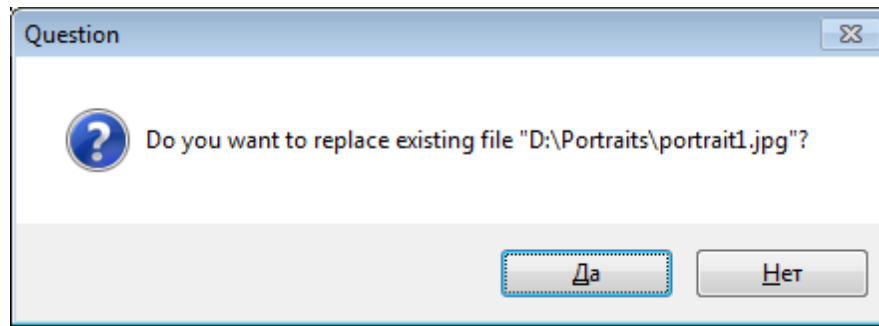
Place modified files in follow folder saves processed images to a specified folder. The folder must have enough free space for the images, and the access to it should be allowed. The path to the folder is indicated in the box below the setting.

Destination format: allows selecting format in which the processed image will be saved.

Place unprocessed files in follow folder allows saving the files which have not been processed for any reason in the specified folder. One of the possible reasons is that no face has been detected on the photo.

File options is the next section.

Overwrite existing files option depends on the selected value. If **Replace** is selected, the application will replace the source image with the processed one. If **Ask** is selected, then after processing, the application will show a confirmation message of the file overwriting.



If **Skip** is selected, the image will not be overwritten.

JPEG Quality allows defining the compression degree of the image being saved. It applies only to the files of JPEG format.

Limit size sets the upper margin for the image size. This is measured in kilobytes. If this parameter is selected, then **JPEG Quality** will be chosen automatically to fit the file size.

The **Remove original files** option removes the source files. This option is enabled only if the **Place modified files in source folder** option is disabled. Similarly, when the processed images are saved to the same folder with the source images, the latter are simply to be overwritten.

Remove to Recycle bin option removes the source images to the recycle bin. It allows restoring an image removed by mistake.



Thanks to this option, you can always restore accidentally removed source images from the recycle bin.

Set resolution allows setting resolution for JPEG images. **Set resolution** allows setting resolution for JPEG images.



The DPI value is applicable not only for saving images into the file, but also for transferring them via TWAIN driver.

DPI affects the quality of an image when printing it out. This parameter sets the number of ink dots that the printer is capable of placing on your image per inch. Based on the image size in pixels and DPI value, the size of the image to be printed is calculated in the physical units (inches, centimetres etc.). When reducing DPI, image resolution and details are degraded.

Finally in the chapter on image saving, it is to be added that metadata of the processed files are fully saved if they are presented in one of the following formats: **exif**, **iptc**, **xmp**. The metadata written in other formats are cut off.

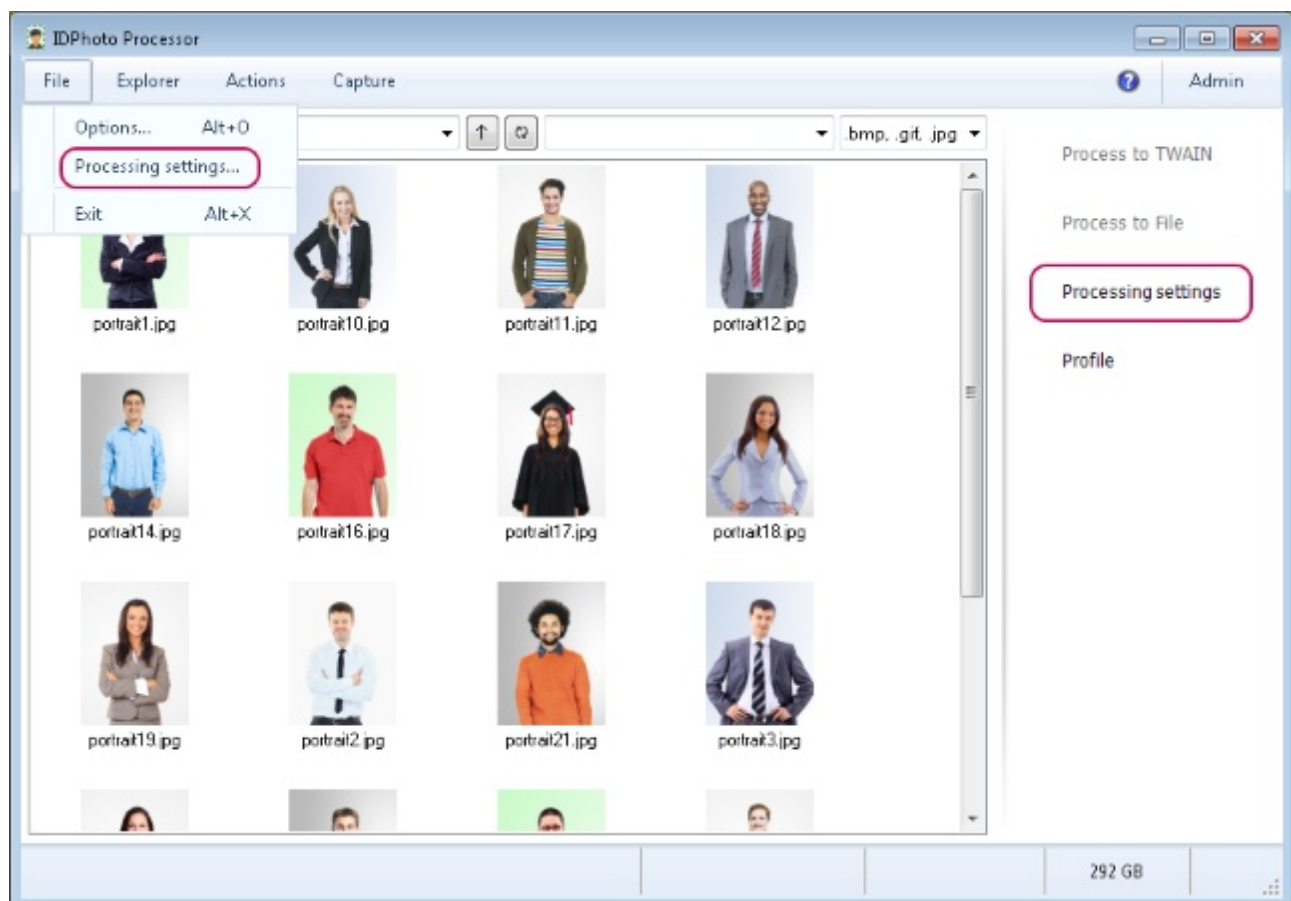


Metadata are standardized data on file properties. Metadata of an image normally contain information on the camera name and manufacturer, date and time when the photos were taken, GPS coordinates of a frame, photo name, author's name, image resolution etc. Most of the modern cameras also record shooting settings: shutter speed, aperture, ISO, using flash, focal length.

ID Image Processing Dialogue

The image processing dialogue contains face detection, framing, adjustments settings and part of the resulting image size settings.

The dialogue may be called up in three ways. The first way: **File** menu > **Processing settings**. The second way: from the side menu by the **Processing settings** button.



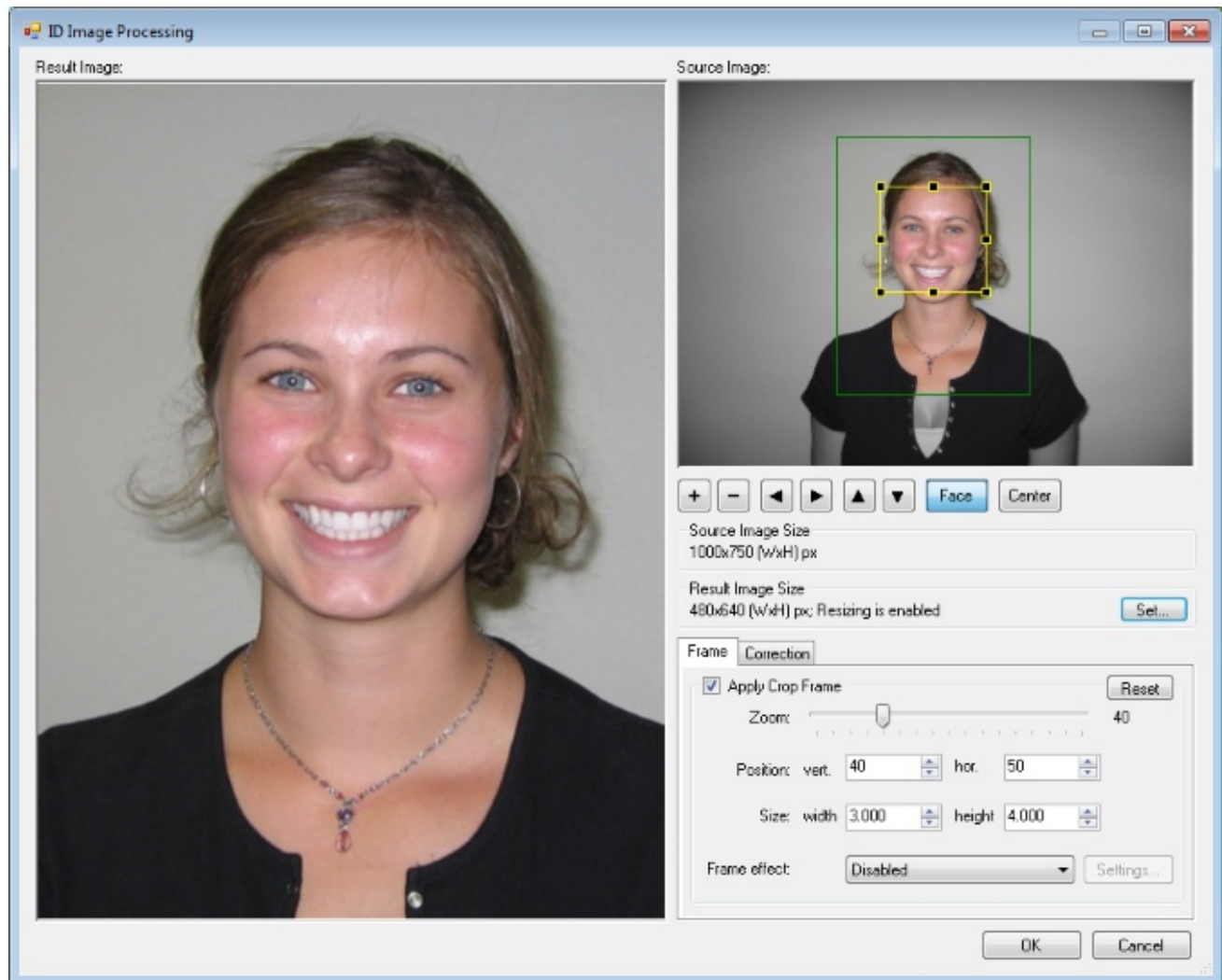
The third way: the dialogue is called up while the processing is progressing. The user can do it manually by double clicking on the required image in the explorer with the left mouse button, or the application will call up the dialogue automatically during the processing.



The **Show processing window** setting determines in what cases the dialogue will be called up automatically during processing. You can find out more on the application behaviour settings in the [General Settings](#) section.

In the first two cases, the dialogue will open for the standard test image. If you change the settings in the dialogue for the test image, the new settings will be accepted as the default ones. If you change the settings in the dialogue called up during processing, then the new settings will be applied only to the current image.

Let's call up and view the dialogue of processing for the test image.





The most part of the space in the dialogue is allotted to the processing result preview window. To the right, there is an original image view window. Settings are placed in the lower part of the dialogue.





In the source image preview window, two bounding boxes are applied on the photo: the internal yellow box and the external one which may be green or red. The internal box outlines the face area. No bounding box will be present if the face is not detected or the face search is disabled by means of the application settings. The face bounding box can be enabled or disabled with the **Face** button which is located below the source image window. The internal box can be expanded, reduced or moved to the left, to the right, up or down. This can be done with the mouse in the source image window or through the button toolbar below the window. All actions with the internal box are automatically applied to the outer one.


The outer box shows the image margin after which cropping of the image will be performed. If the distance between the face area and image margins is smaller than the distance set in the settings,

then the outer box will be red. For example, if the face is too close to the edge of the photo.

Below the image window there is a toolbar with buttons for setting the boxes. Let's list the buttons it contains and their respective functions.

The  button increases the area of the face to be outlined together with the frame box; correspondingly, the  button decreases it.

The     arrow buttons move the outlined face area together with the frame box to the left, to the right, up and down.

The  button enables and disables outlining the face area.

The  button enables and disables outlining the centre of image.

Then, we'll call up and view the dialogue for the image being processed. Please remember that you need to double click on the required image in the explorer with the left mouse button.

What distinguishes the dialogue called up during processing from the dialogue for the test image is the presence of the following elements:

- A short name of the file being processed is indicated in the title of the dialogue window.
- A full name of the file being processed is indicated above the source file window.
- **OK** and **Cancel** buttons are replaced by the buttons for saving the image, skipping the image or cancelling the whole process of processing. Please refer to the [Actions](#) chapter for more detail.



The contents of the chapter are as follows:

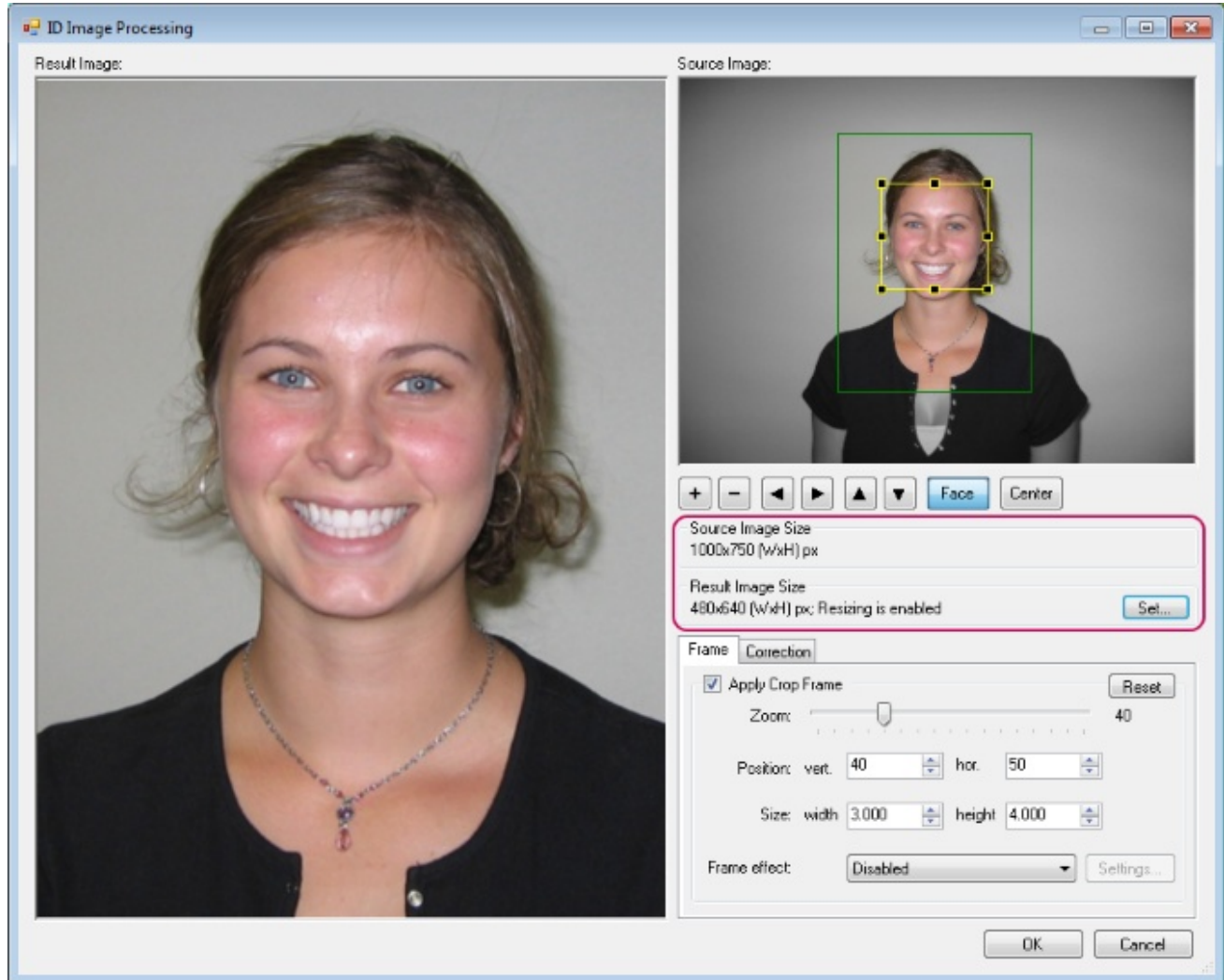
[Processed Image Size](#)

[Frame Setting](#)

[Image Correction](#)

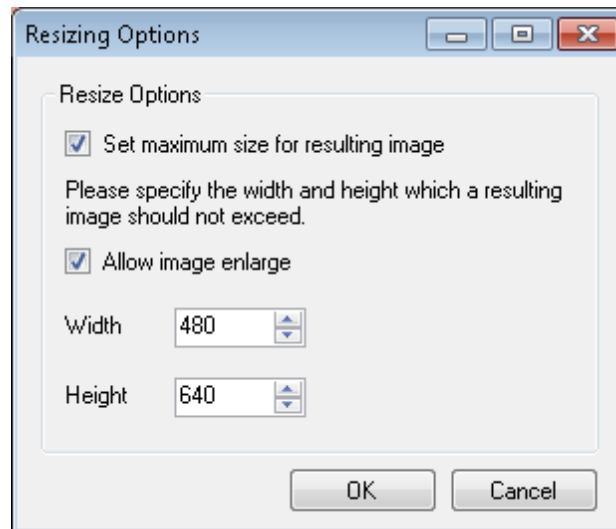
Processed Image Size

The information on image dimensions is contained in the **Source Image Size** and **Result Image Size** sections.



The **Source Image Size** section shows the size of the source image in pixels.

The **Result Image Size** section shows the size of the resulting image with the current settings (also in pixels). The size value will change depending on the change in settings. **Resizing is enabled** means that the upper margin for the image size is set. **Resizing is disabled** means that there are no restrictions on the maximum size of the resulting image. Click the **Set** button to set or remove limits and to set the compression parameters. After that, the **Resizing Options** dialogue will be called up.



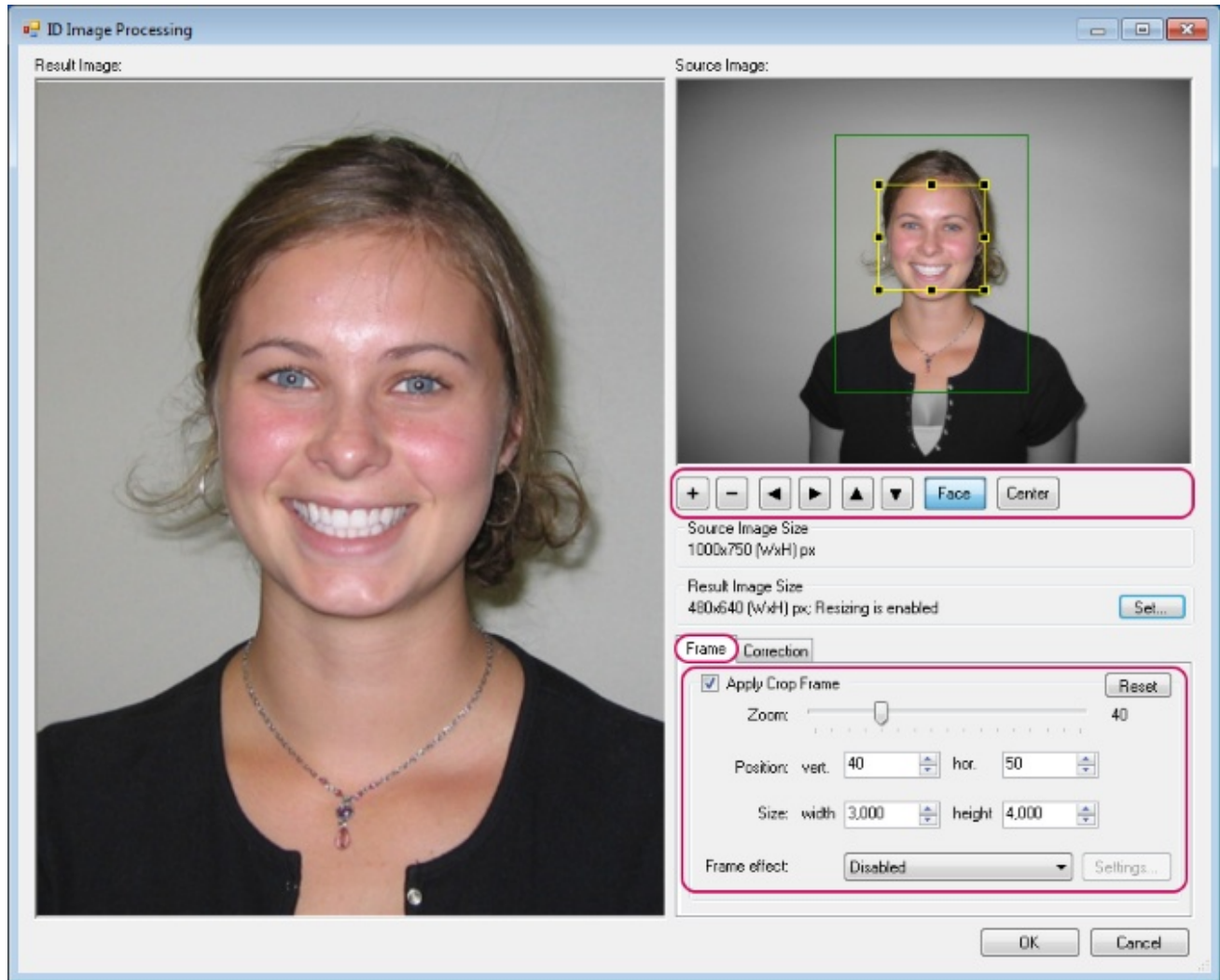
To set or remove the upper margin for the image size, use the **Set maximum size for resulting image** setting.

The second setting in this section, that is **Allow image enlarge**, allows enlarging the image to the specified dimensions if the source image is smaller. In other words, if this setting is disabled, only the images with bigger original dimensions are scaled to the specified dimensions. If the image dimensions are originally smaller than the specified ones, the image height and width will remain unchanged. When the setting is enabled, all the images are scaled to the specified dimensions, regardless of whether they have initially been bigger or smaller. Please keep in mind that the quality of the enlarged images may worsen.

The dimensions of the resulting images are set in the **Width** and **Height** fields below in the dialogue.

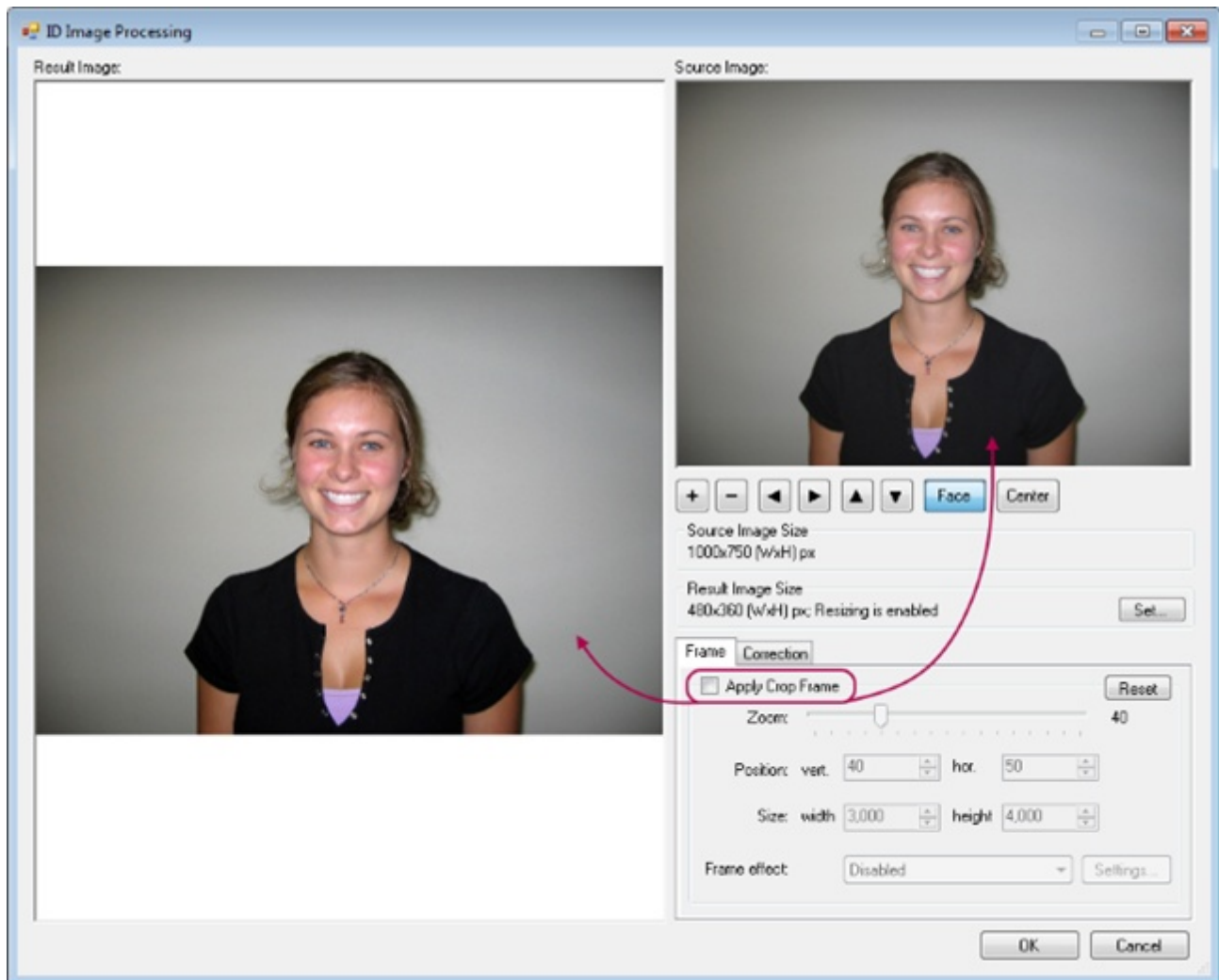
Frame Setting

The **Frame** section contains frame composition and size settings.



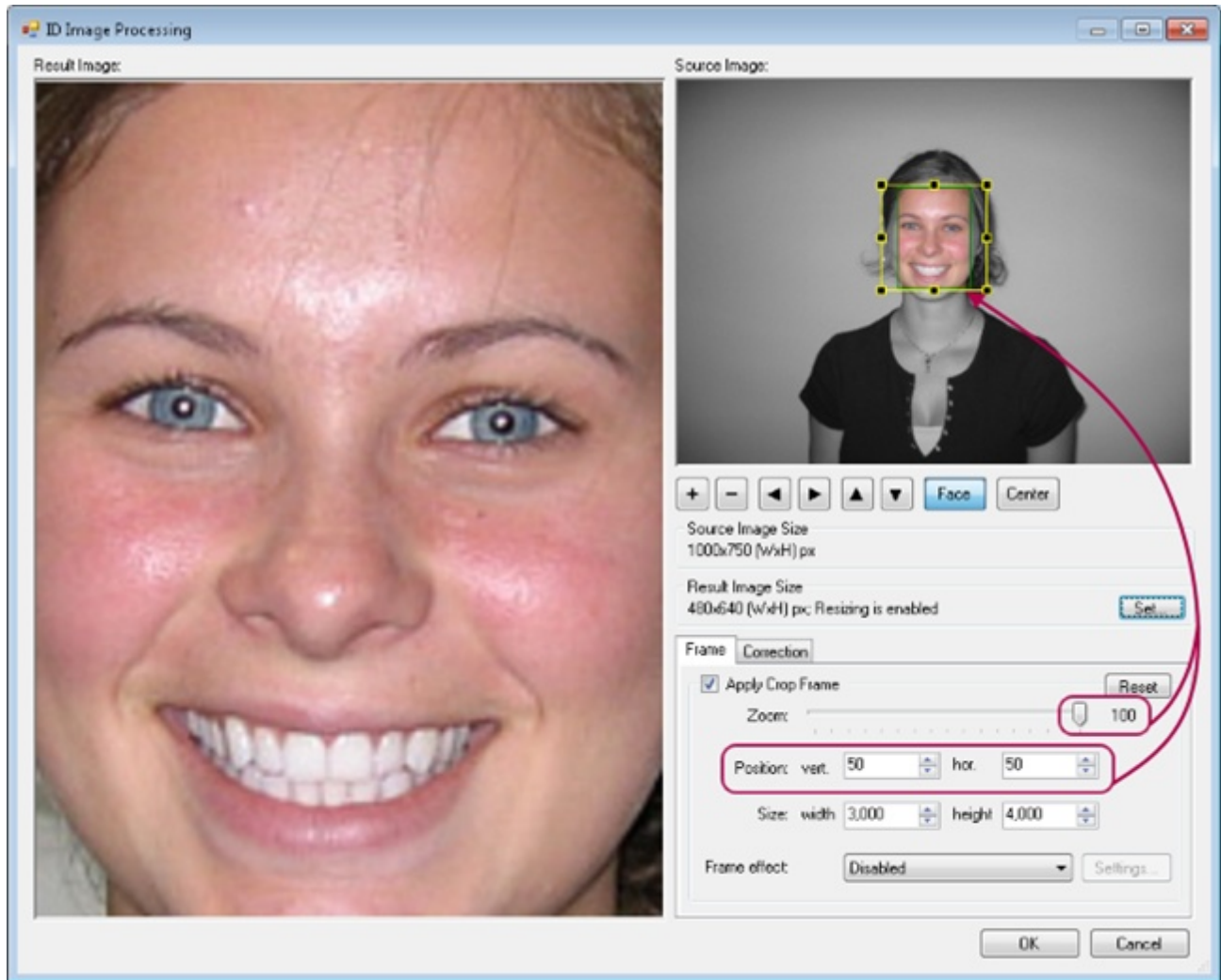
Let's look at each setting in more detail.

Apply Crop Frame enables and disables face search and further image framing. When this setting is being disabled, the boxes from the source image window will disappear, and the image will be displayed in its original form in the result preview window.

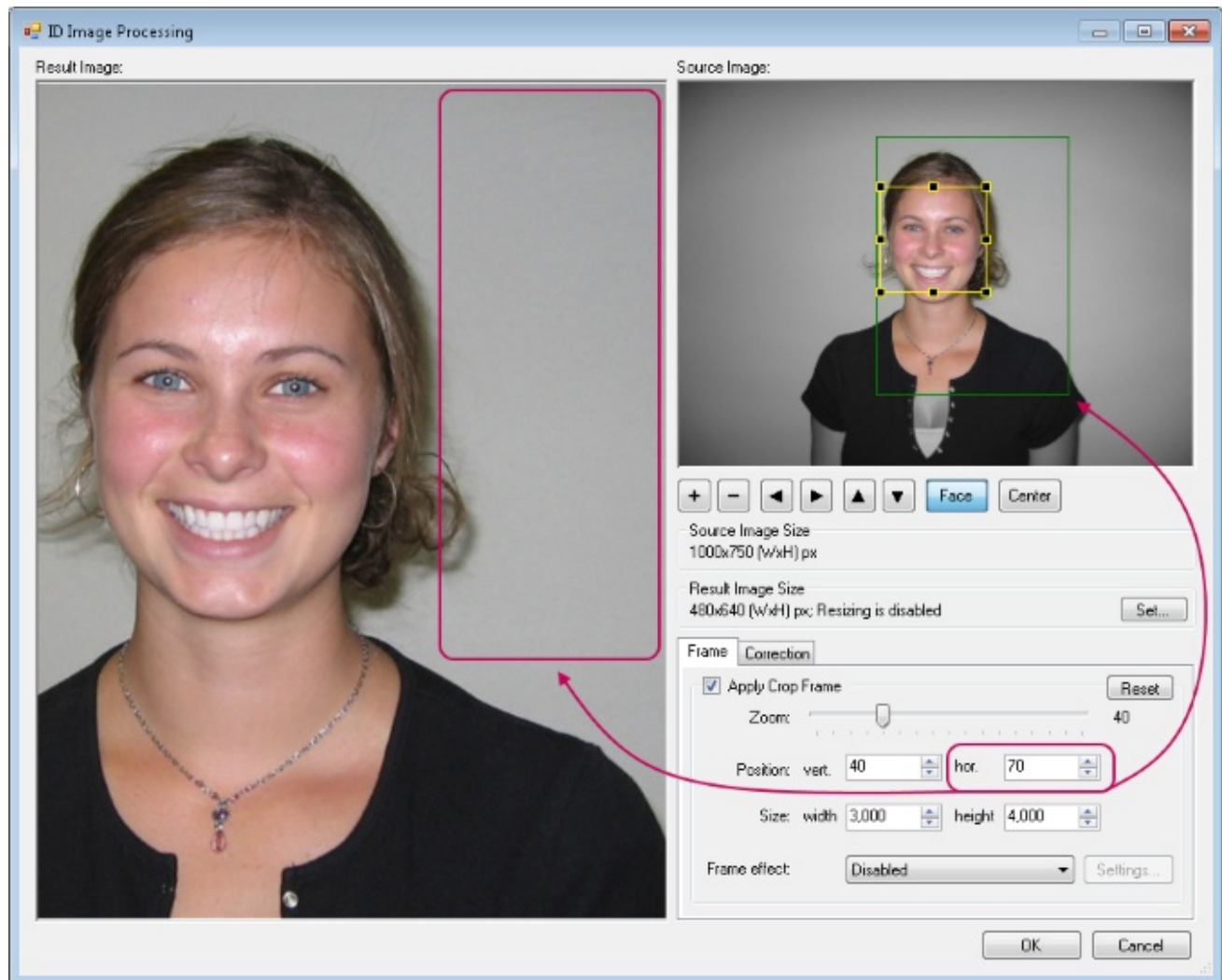


The processing procedure started with the **Apply Crop Frame** setting disabled will apply to the image all the settings except the ones in the **Frame** section. It can be seen that when no cropping after the box is set, all the settings in the section become disabled.

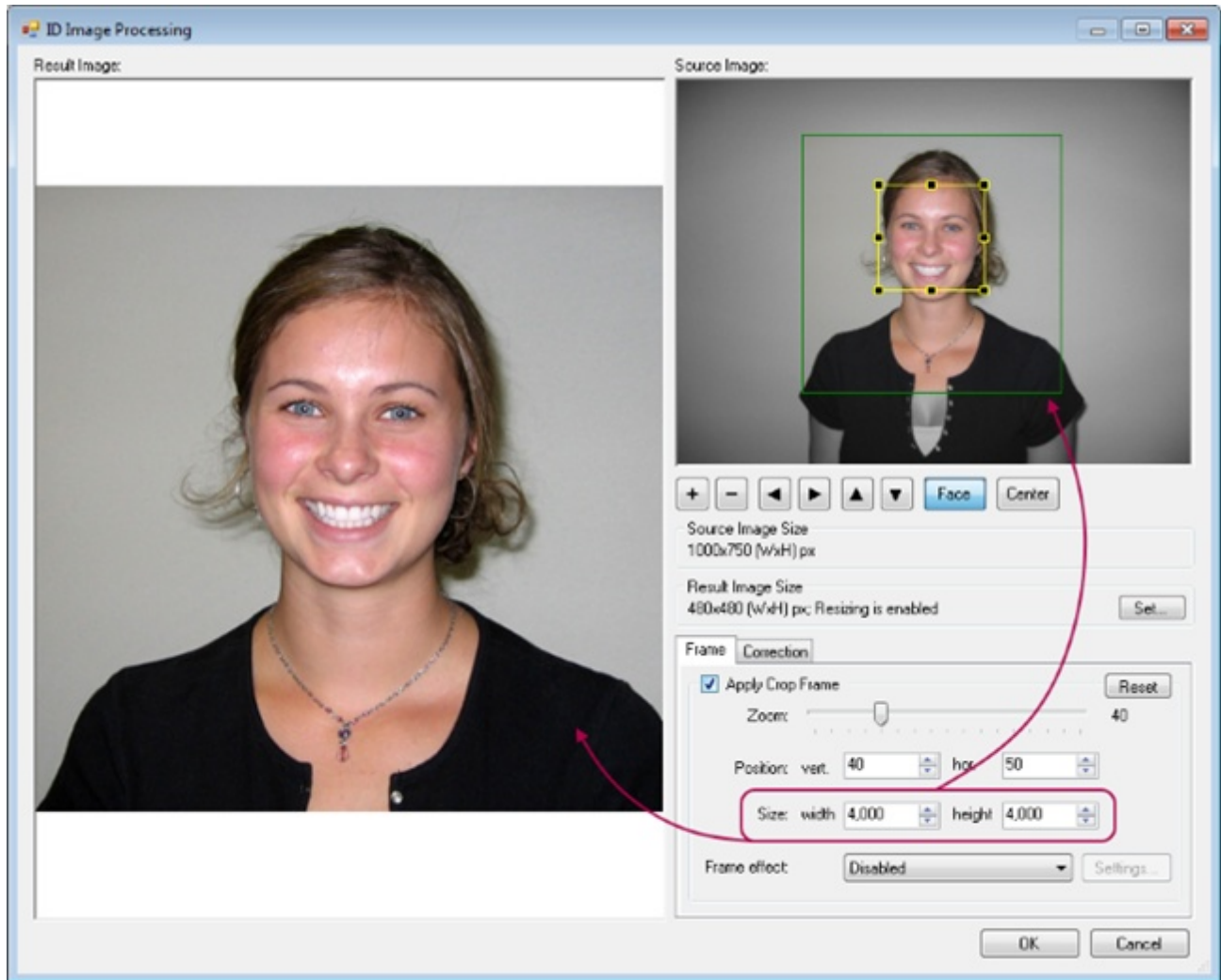
Zoom is a ratio of face area to the area of the future frame. The value of 40 is selected in the default settings which means that the face area accounts for 40% of the area of the whole frame. Provided the value is increased to 100, the face area will occupy the whole frame. Let's show it with an example. First, to make the frame well-balanced, let's match the centres of the face area and the frame area by setting the **Position vert.** value to 50 and the **hor.** value to 50. Then we'll set zoom to 100%.



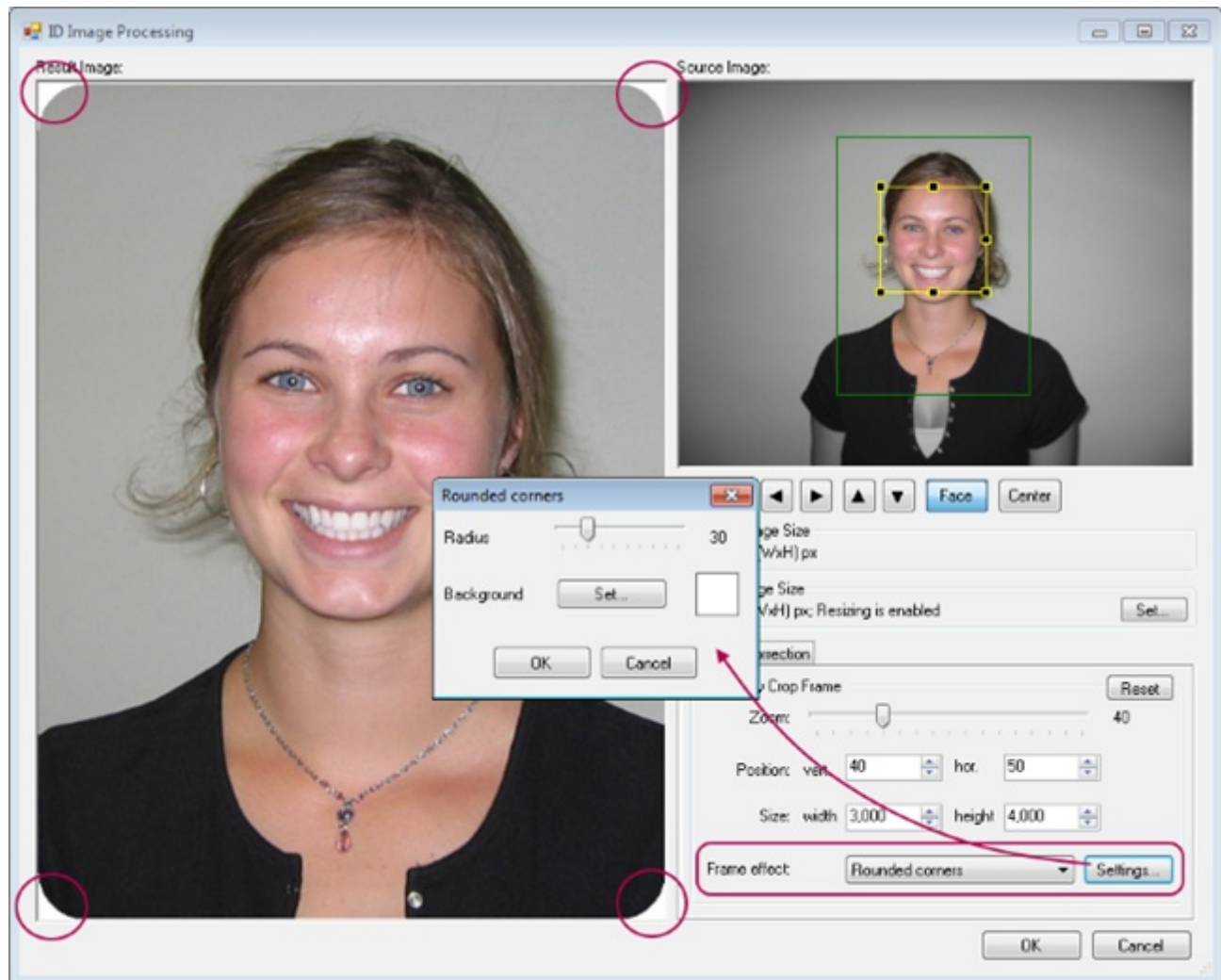
Position: moves the frame cropping box vertically and horizontally. For instance, such need may arise if it is necessary to move the image of a person and add a company logo on the photo. In such a case, you simply need to move the box in the required direction. Offset values are given in per cents.



Size: this setting allows specifying the ratio of the frame sides. E. g., with width to height ratio as 4:4, the frame will have a form of a square. To specify the sides ratio, just indicate the required frame dimensions.



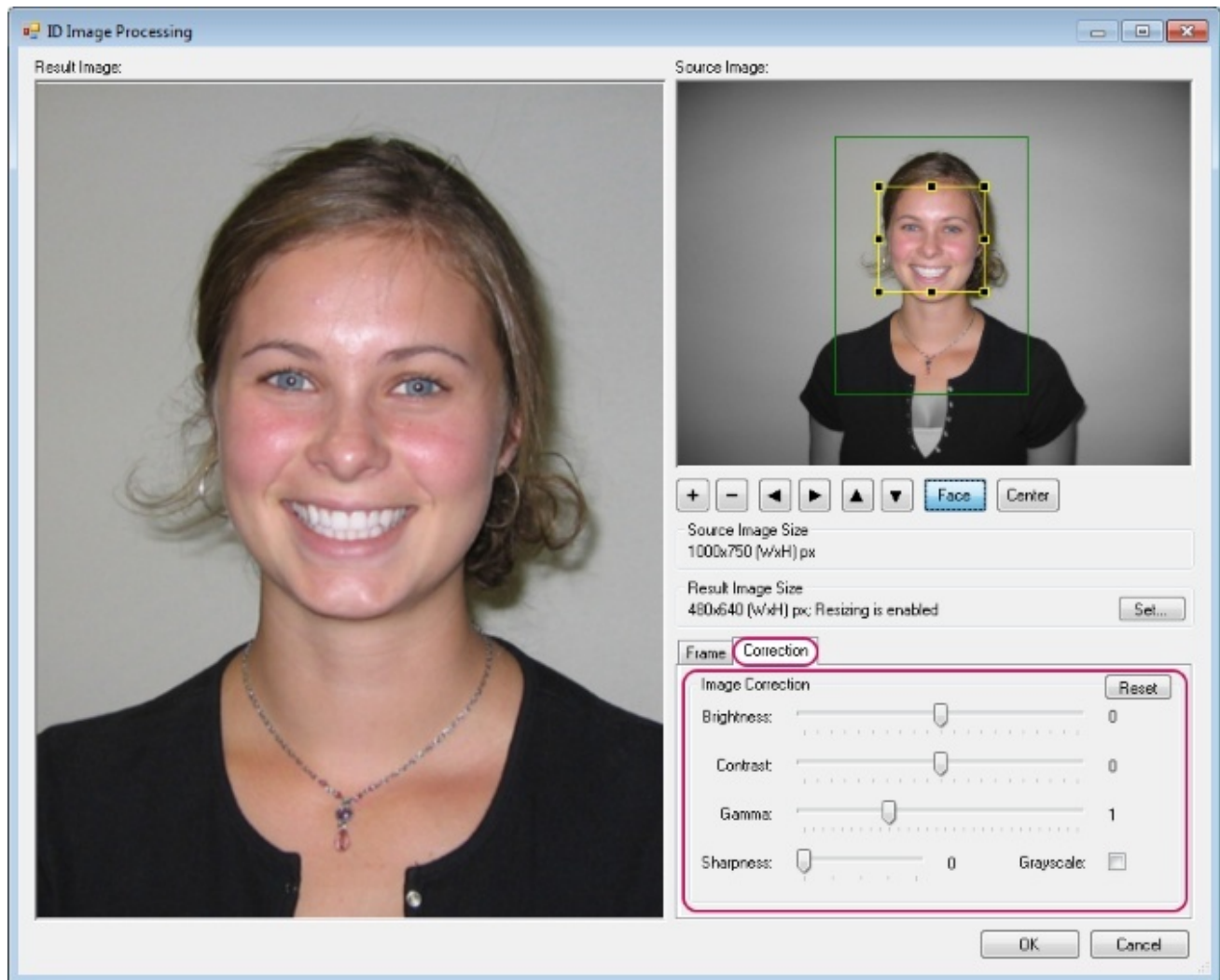
Frame effect is the list of effects that can be applied to the image frame. There is only one **Rounded corners** effect in the list at present. Click the **Settings** button placed to the right of the list to change the settings of this effect. In the shown dialogue window, you may set the rounding radius and background colour for the corners.



Reset is the last button in this section which makes it possible to cancel changes of all the settings and return them to default state.

Image Correction

All settings for image correction are placed within the **Correction** tab.



Here you can set such parameters of photo as brightness, contrast, gamma, sharpness, and greyscale. All changes of the settings will be displayed in the preview window.

Brightness — this parameter indicates how much do image pixel colours differ from the black colour. E. g. the brightness of the photo taken in sunny weather will be significant and visa versa that of the photo taken in the evening or at night will be low. Brightness is set in the range from -100 to 100.

Contrast is one of the main image parameters, it regulates pixel brightness. When increasing the contrast, the light areas (pixels) of the image become lighter, while the dark ones become darker. And visa versa, when reducing contrast, dark pixels become lighter, while the light ones become

darker and partially move to midtones. Contrast is set in the range from - 100 to 100.

Gamma — *this image parameter allows changing colour intensity of dark pixels to a greater extent than that of light ones. In other words, it is possible to increase contrast, distinctness of the dark areas of the image, while not making light details of the photo too contrast or bright.*

Sharpness *is also one of the main image characteristics; it indicates the quality of reproduction of large fragments on the photo. Increasing sharpness is one of the common ways of improving image quality. Actually, increasing of the sharpness decreases the width of the borders between image areas with different brightness. The narrower the border, the sharper looks the photography. This is reached by lightening lighter pixels on one side of the border and by darkening the darker ones on the other side.*

Grayscale — *this option allows making black-and-white photo from the colour one. In the Grayscale mode, all the colours are cancelled for the image and only information on pixel brightness is saved. Furthermore, all the colours on the photo are transferred to the grayscale.*

The **Reset** button makes it possible to cancel changes of all the settings and return them to default state.

Actions

If the processing procedure runs without calling up **ID Image Processing** dialogue, the processing will be completed automatically. In such a case, the user does not need to take any actions.

If during processing, the dialogue will be called up, the user needs to choose one of the possible actions after the process is completed. Possible actions are represented by the **Set as default**, **Skip**, **Save**, **Back** and **Close** buttons.



Let's view each option in more detail.

Set as default saves the image with the settings set for the current application session. It is possible to set the settings for the current application session in two ways. The first way: call up **ID Image Processing** dialogue from the main or side application menu, change the values of the required

settings and click OK. The second way: set the profile with the required parameters for the application through the main or side menu.

Skip skips the processing of the current image and moves to the next one.

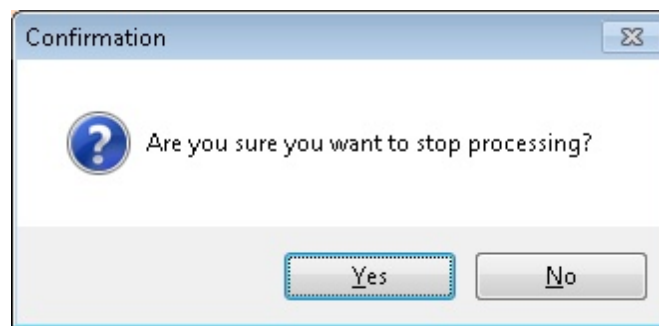
Save saves the photo with the settings set in the dialogue.

Back interrupts the processing procedure.

Close skips the processing of the current image and moves to the next one.

The **Esc** key on the keyboard performs the same function as **Back** and **Close** buttons. This option closes the **ID Image Processing** dialogue and interrupts processing if it has been started.

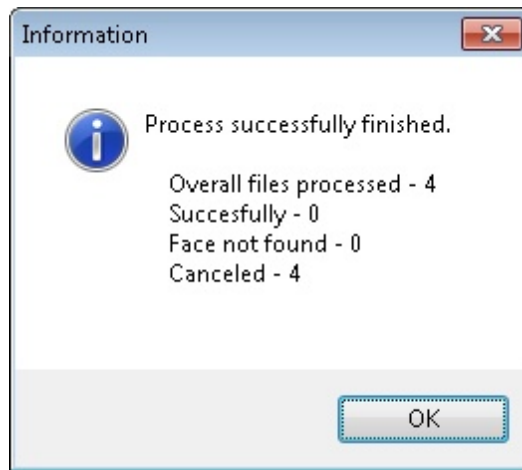
For stopping the processing by means of the **Esc** key, the application will ask for the confirmation.



Statistics

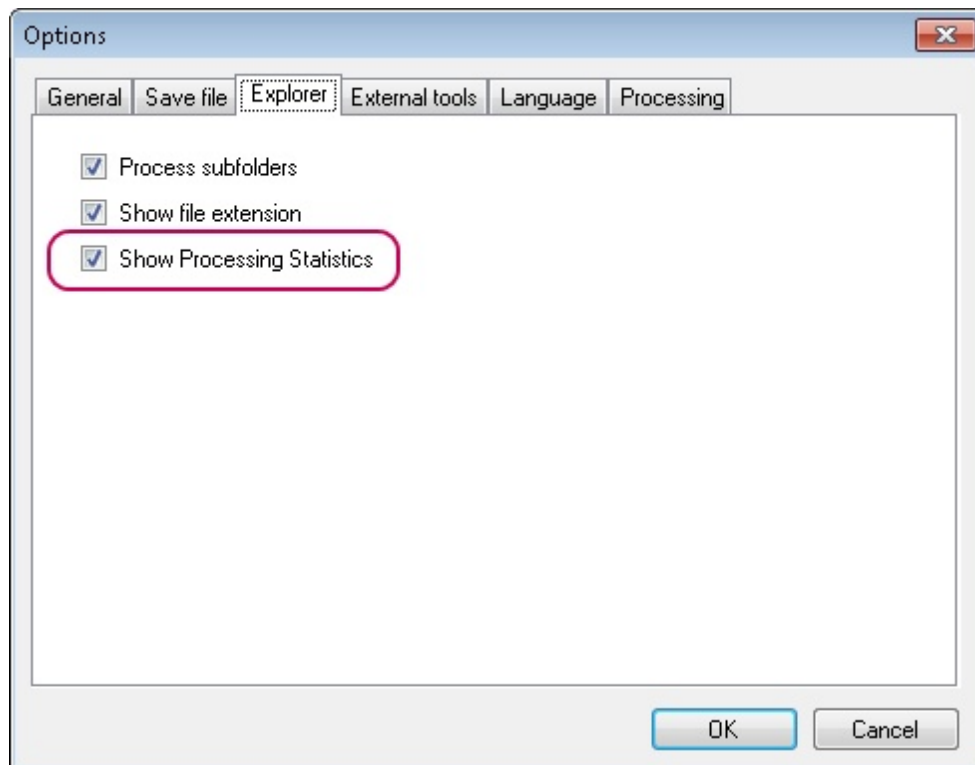
If processing is started for several images, then after the process completion, the application will display a message with statistics.

The message informs on how many images have been processed, how many of them have been processed successfully, on how many of them no face is detected and for how many of them the processing has been cancelled.



If the processing has been started only for a single image, then the message will not be displayed.

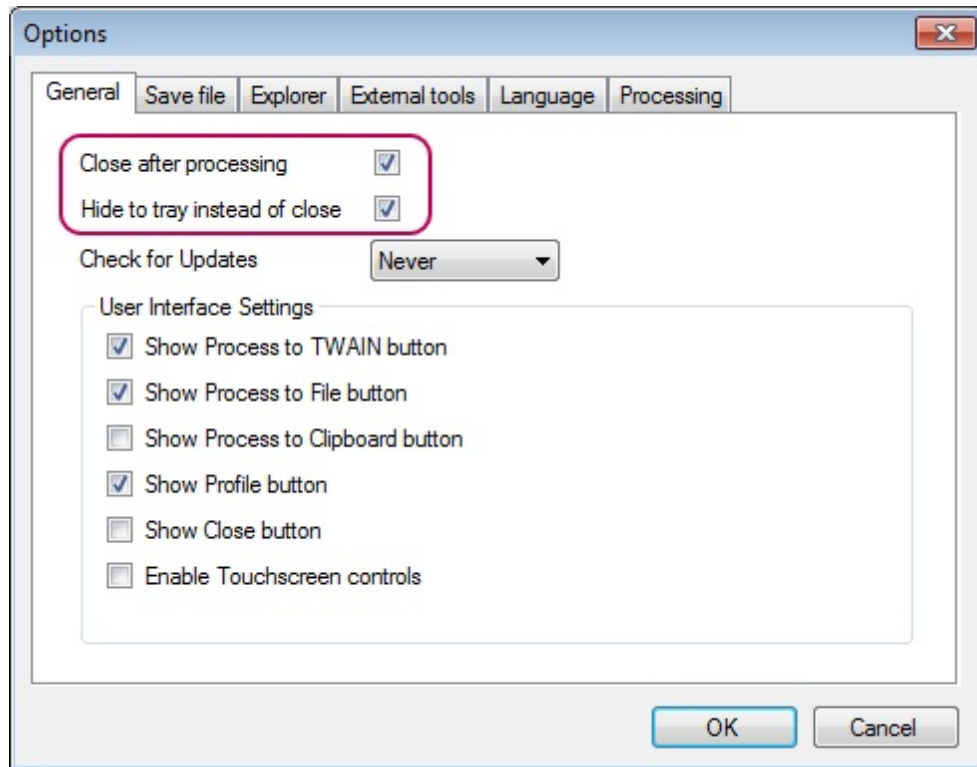
The statistical information displaying can be enabled/disabled with the **Show Processing Statistics** setting which is located on the **File** main menu > **Options** > **Explorer** tab.



The setting is enabled by default.

Processing Completion

After completing the processing procedure, the application can be closed or minimized to tray. Such behaviour is regulated with the **Close after processing** and **Hide to tray instead of close** settings. The settings are located on the **File** main menu > **Options** > **Explorer** tab.



Close after processing completes the work of **IDPhoto Processor** after processing. If the **Hide to tray instead of close** setting is disabled, **IDPhoto Processor** will be closed; if enabled, then it will be minimized to tray.

Hide to tray instead of close changes closing **IDPhoto Processor** to minimization to tray.

Chapter 4. Processing

In the previous chapters, we have described all functions and settings for image processing. Now, it is time to run the process and take a look at how it progresses.

There are three types of image processing in the application: **Process to TWAIN**, **Process to File** and **Process to Clipboard**. In all three cases, the processing process is identical and it is only the last action that differs. For **Process to TWAIN**, this is sending an image to the application or to a device through the TWAIN driver. The results transfer through the TWAIN driver will be described below with the **XnView** image viewer taken as an example. For **Process to File**, this is saving an image to the specified folder on the drive. For **Process to Clipboard**, this is saving an image to the clipboard. In this case, it is convenient to paste the image into a document or another application without interim saving.

It should be reminded that **Process to File** can be run not only for files, but also for subfolders.



*You can interrupt the processing process by pressing the **Esc** key on the keyboard.*

So, let's take a closer look at each saving method.

[Process to TWAIN](#)

[Process to File](#)

[Process to Clipboard](#)

Process to TWAIN

Contents of the section:

[About TWAIN](#)

[An Example of Process to TWAIN](#)

About TWAIN

TWAIN is the software protocol that makes it possible to directly transfer images from image-capturing devices, like scanners and digital cameras, to applications.

Without **TWAIN**, you would first need to copy and save the image to a disc and only after that the user application will be able to open it.

Thanks to **TWAIN**, application software and image-capturing devices can understand each other and

interact.

Image-capturing devices work via **TWAIN** data source usually called **TWAIN** driver. Not only a real device, like scanner and digital camera, but a software as well can serve as a data source.

The following **IDPhotoCapture** products support the work as data sources:

- [inPhoto ID Webcam](#)
- [inPhoto ID PS](#)
- [inPhoto ID SLR](#)
- [IDPhoto Processor](#)
- [inPhoto Capture PS](#)
- [inPhoto Capture SLR](#)

TWAIN protocol comes with a data transfer standard and API interface. **TWAIN** drivers are applications for managing image-capturing devices written on the basis of the **TWAIN** interface. Normally, **TWAIN** drivers have a graphical interface and function as a data source control panel. **TWAIN** drivers also allow configuring image settings, such as colour balance, size, gamma range, etc. before the image is received by the application. Sets of settings in **TWAIN** drivers differ depending on a data source device.

Image transfer with **TWAIN** involves user application, supporting **TWAIN** protocol to which the image will be transferred and **TWAIN** driver which serves as an image source. Most applications for image handling are currently supporting **TWAIN**, however please refer to the application supplier or to the documents to find out about such a possibility.

Only application can initiate an image transfer, so it is from this that the **TWAIN** call have to start.

Various applications have their own commands for receiving files from a data source. Normally, these commands are found in the **File** menu and labelled as **Acquire** or **Import**. In some applications, you need to previously indicate a data source. For this purpose, a **TWAIN source** command is used which is also normally found in the **File** menu.

Diagram of image transfer via **TWAIN**.

1. A user selects and starts the **TWAIN** driver from the application to which the image is to be transferred.

2. After a **TWAIN** driver call, the application enters the standby mode and waits for response of the driver on the image readiness for being transferred. The application may be locked in standby mode. In reality, the behaviour of each application may differ and depends on the features included into it by developers.
3. While the application is waiting, the driver becomes a main controlling unit. The user manages a data acquisition device and captures an image.
4. After the image is captured, the driver transfers it to the waiting application.
5. After the transfer process is finished, the application may demand to close the driver. Further transfer via **TWAIN** is impossible with closed driver. For re-transferring the image, you need to start the procedure from the very beginning, calling out the driver from the application again.

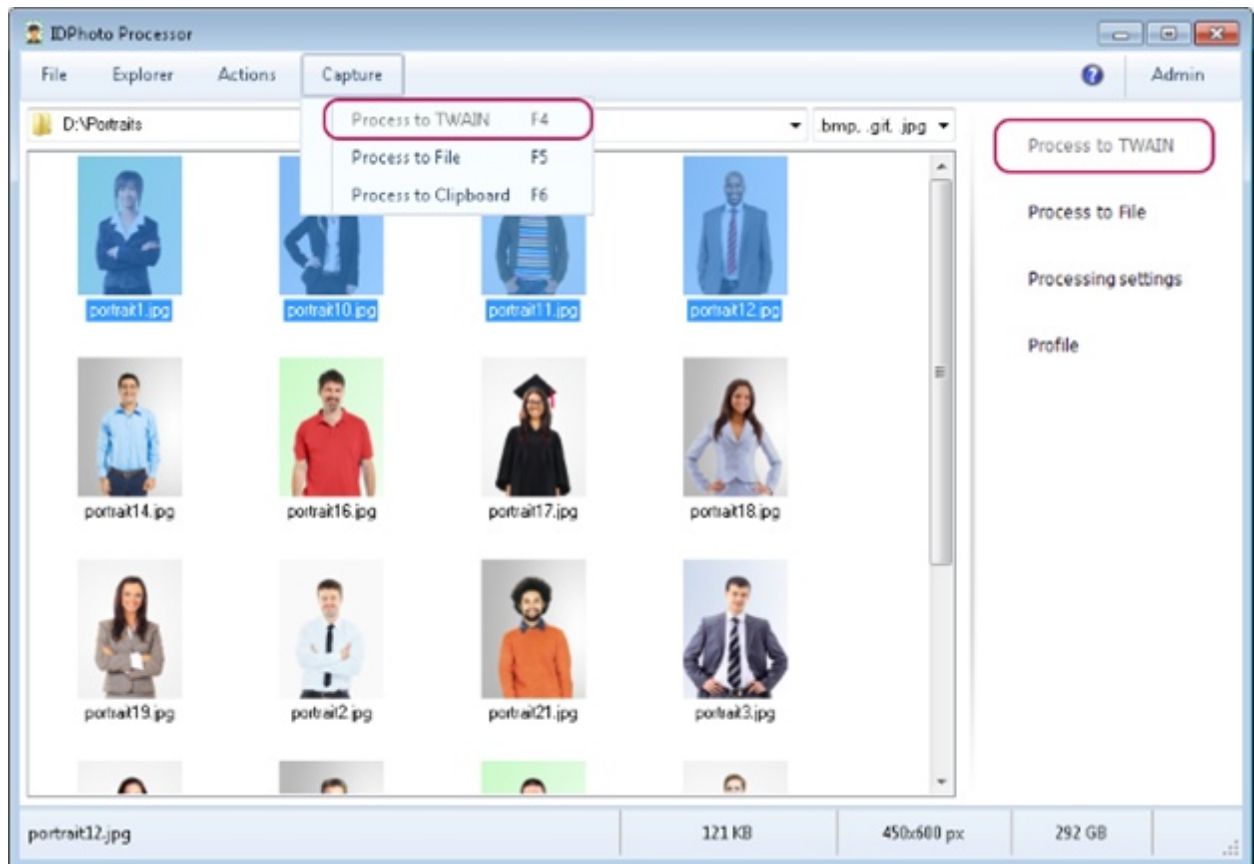
An Example of Process to TWAIN

The **Process to TWAIN** command processes images and transfers them to external application which connected to **IDPhoto Processor** via **TWAIN** protocol. As an application in which processed photos will be transferred we use image viewer **XnView**.

It should be reminded that **IDPhoto Processor** is an image source in **TWAIN** connection.

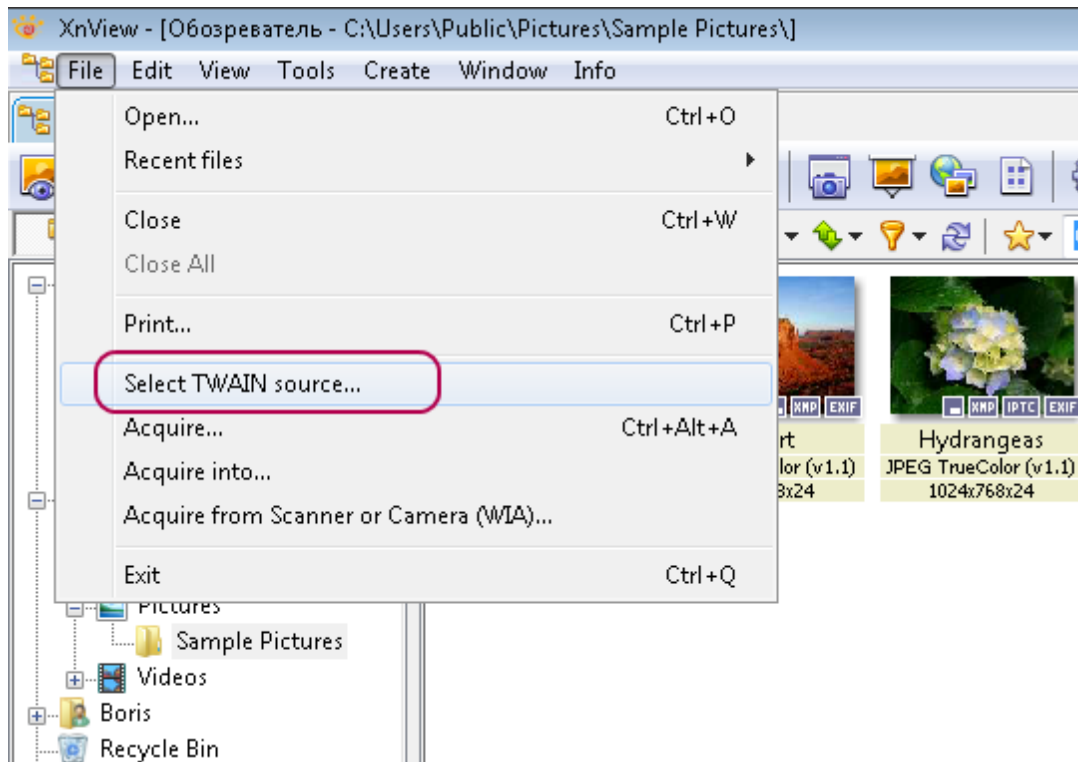
So, we start **IDPhoto Processor** and select several images in the explorer.

Unlike the rest of the program functions, the **Process to TWAIN** button and the menu item are disabled.

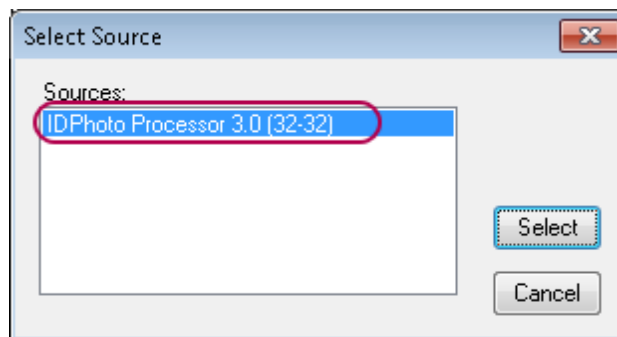


This is right. The possibility to transfer images via **TWAIN** driver will arise when **IDPhoto Processor** receives a request from the third-party application for opening **TWAIN** connection. By this moment, the **Process to TWAIN** elements will be disabled.

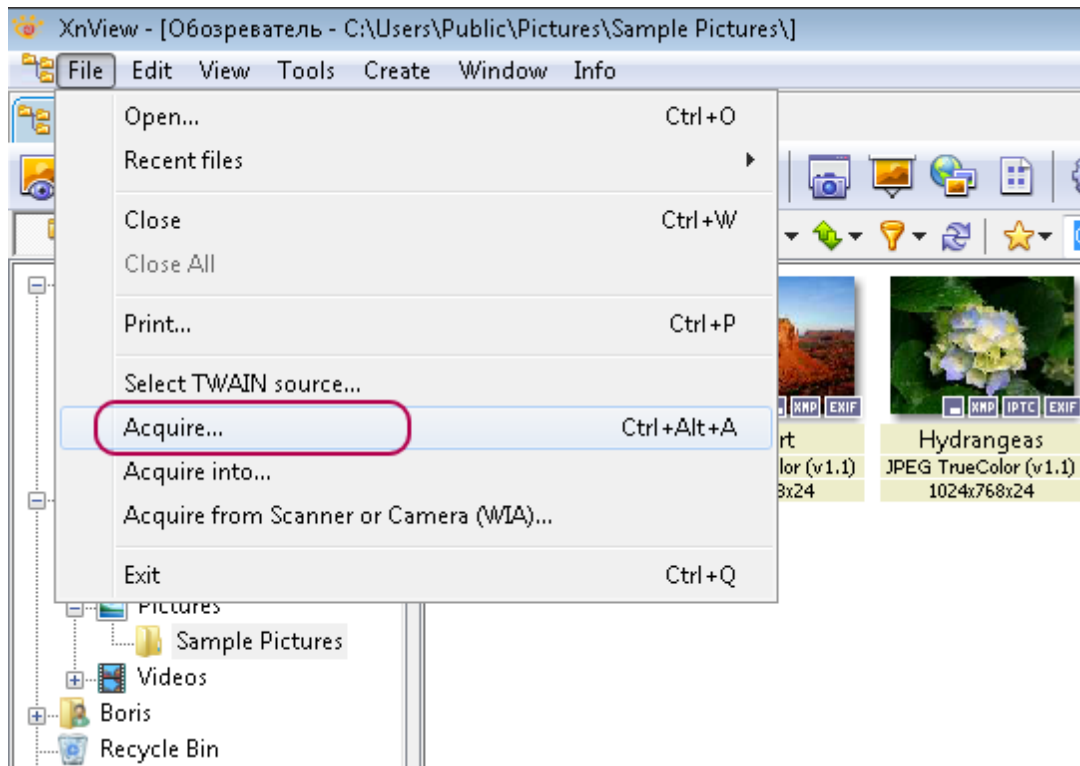
Let's open **TWAIN** connection and enable **Process to TWAIN** function. For this purpose, we start **XnView**, enter **File** main menu and select **Select TWAIN source**.



In the appeared **Select Source** dialogue, we select **IDPhoto Processor** from the source list.



Then, in the same **File** menu, we select **Acquire**.



If by that moment, **IDPhoto Processor** has been closed or minimized to a tray, now it will be started.

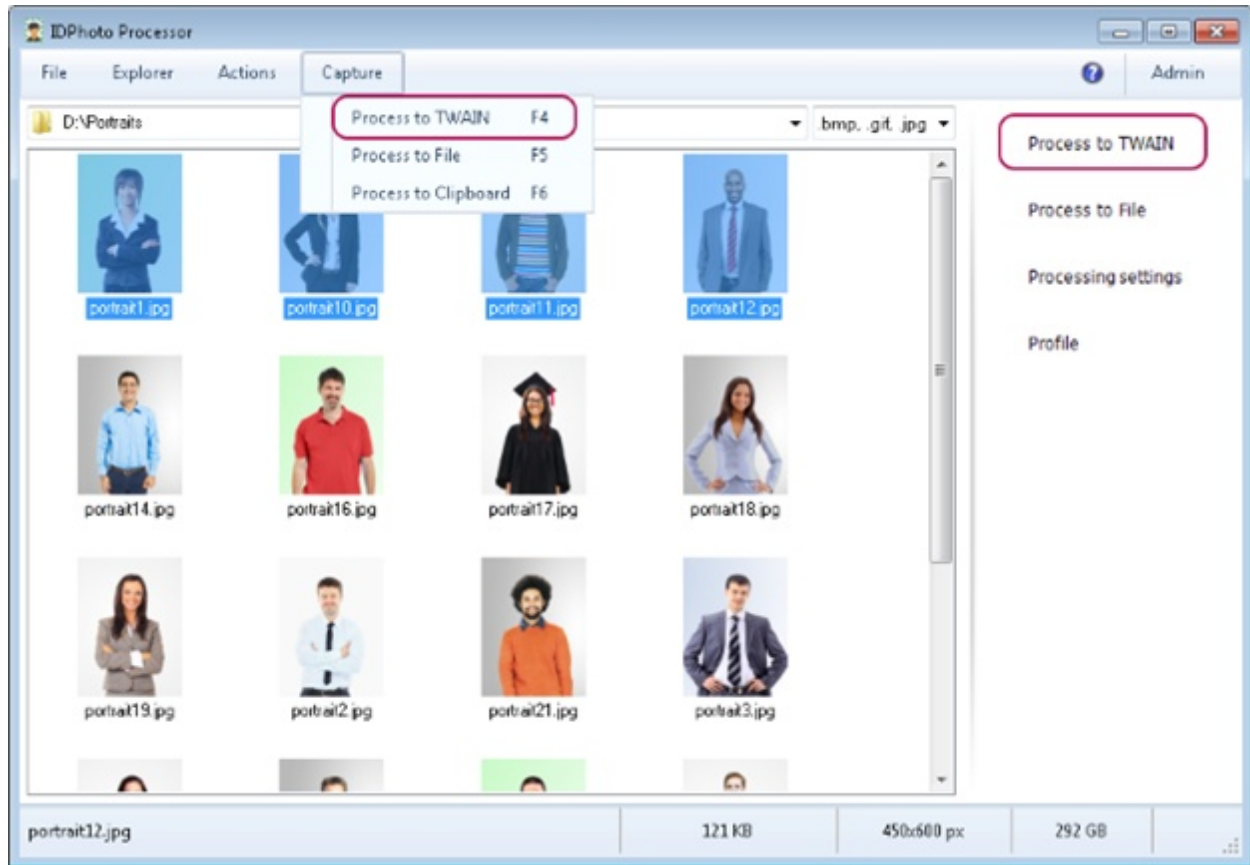
We connected to **TWAIN** driver of **IDPhoto Processor** via **XnView**. We move to **IDPhoto Processor** and select several images in the explorer. Please note that **Process to TWAIN** menu item and button now have been enabled.



Process to TWAIN may be disabled if no images are selected in the explorer.



For more details on selecting objects in the explorer, see chapter [Explorer](#).



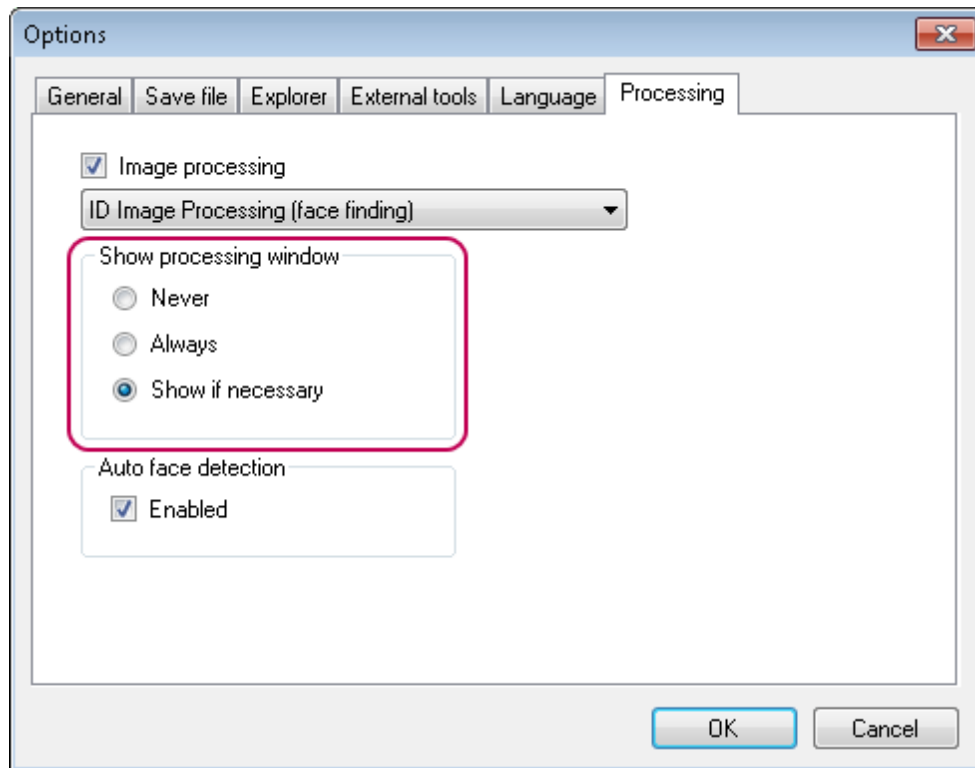
Having selected required images, we start **Process to TWAIN**.

Process to TWAIN may be started from **Capture** main menu > **Process to TWAIN**, from the side menu by clicking **Process to TWAIN** button, or from the context menu in the explorer.



*The **Process to TWAIN** button from the side menu may be hidden if the application interface is set up in such a way. To make the button visible, enter **File** menu > **Options** > **General** tab and set up **Show Capture to TWAIN** button. For more details on setting of the side menu interface, see chapter [Side Menu Interface](#).*

Further course of processing depends on the settings set by the user. Please note that the key processing settings are located in the **File** main menu > **Options** > **Processing** tab.



If **Always** is selected in the settings, then the **ID Image Processing** dialogue will be called up for every image being processed.

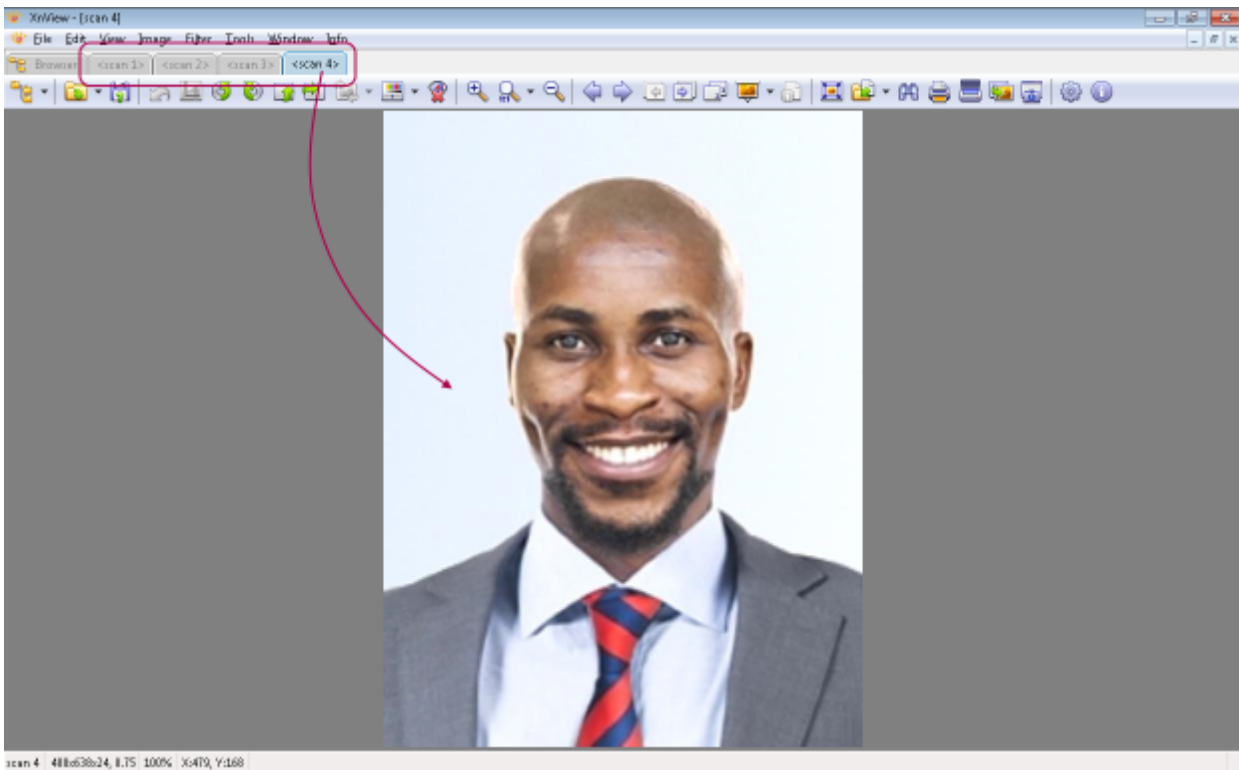
If the dialogue opening setting is set to the **Show if necessary** value, the dialogue will be opened only if a user's participation is needed for processing the images. The dialogue will not be opened for successfully processed photos.

If the **Never** option is selected, processing will be carried out without opening the **ID Image Processing** dialogue. Images that cannot be processed automatically will remain unchanged.

You can read more details on settings and actions on the **ID Image Processing** dialogue in the [General Settings](#), [ID Image Processing dialogue](#), and [Actions](#) chapters.



After completing the processing procedure, we return to **XnView** and look at the result of the command **Process to TWAIN**. As can be seen on the picture, the images are successfully processed and transferred to the viewer.



The process of connecting to other applications via **TWAIN** driver is similar to that, exemplified by **XnView**. It is noteworthy that applications may close the channel for **TWAIN** driver after image transfer is completed. Because of this, **Process to TWAIN** button will be disabled. To enable it, you need to repeat the process of selecting a scanner.

XnView can also accept several images at a time, as it was demonstrated in the example. Not all the applications support this option. For some applications, you have to start the processing for each separate image.

Please note that **IDPhoto Processor** is set by default as to be minimized to tray after processing completion. More details on settings regulating processing completion may be found in the [Processing Completion](#) section.

Process to File

The **Process to File** command carries out processing of files and subfolders with their subsequent

saving to the specified place on the drive. The command can be started from the **Capture** main menu > **Process to File**, from the side menu by pressing the **Process to File** button or from the context menu in the explorer.

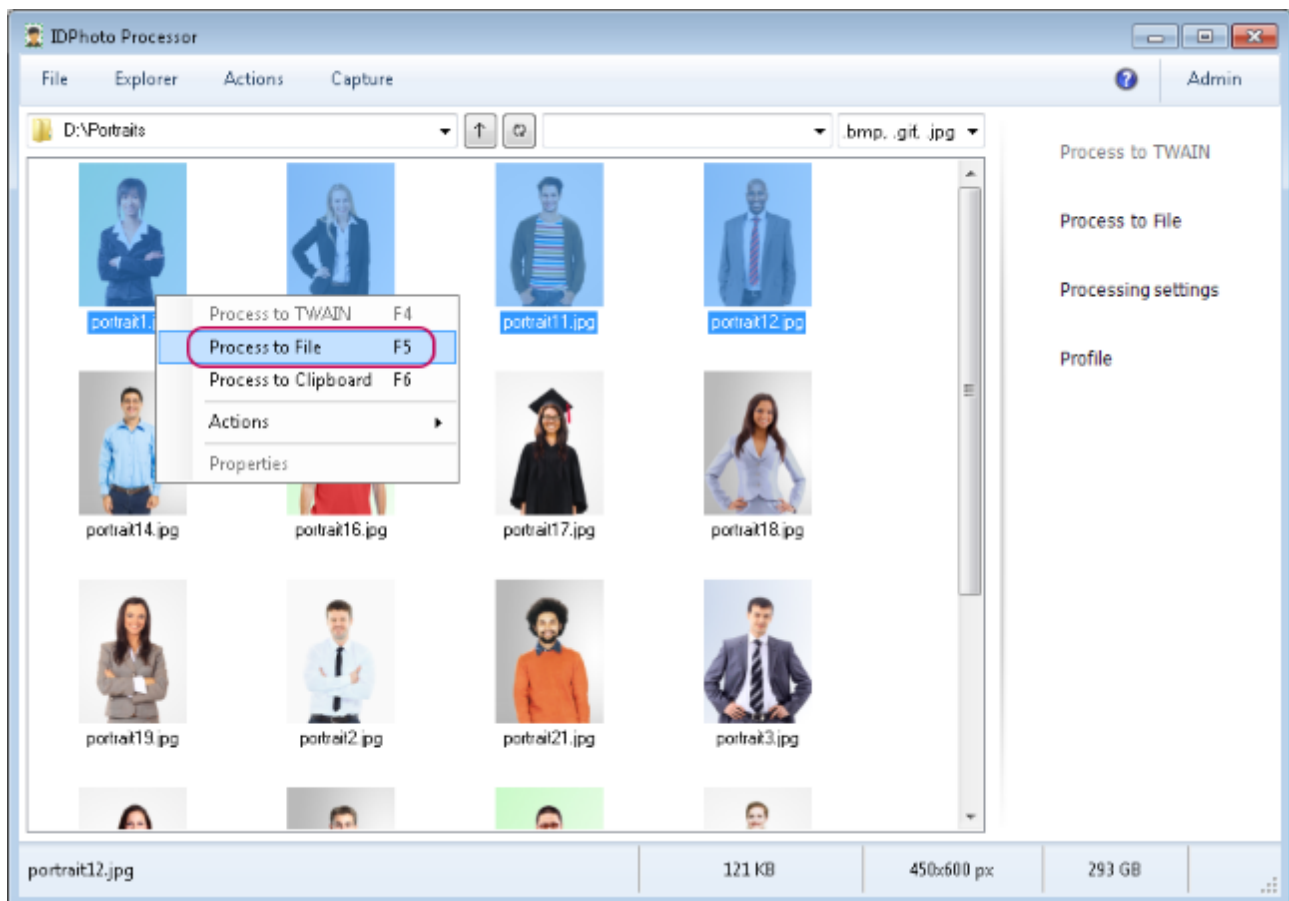


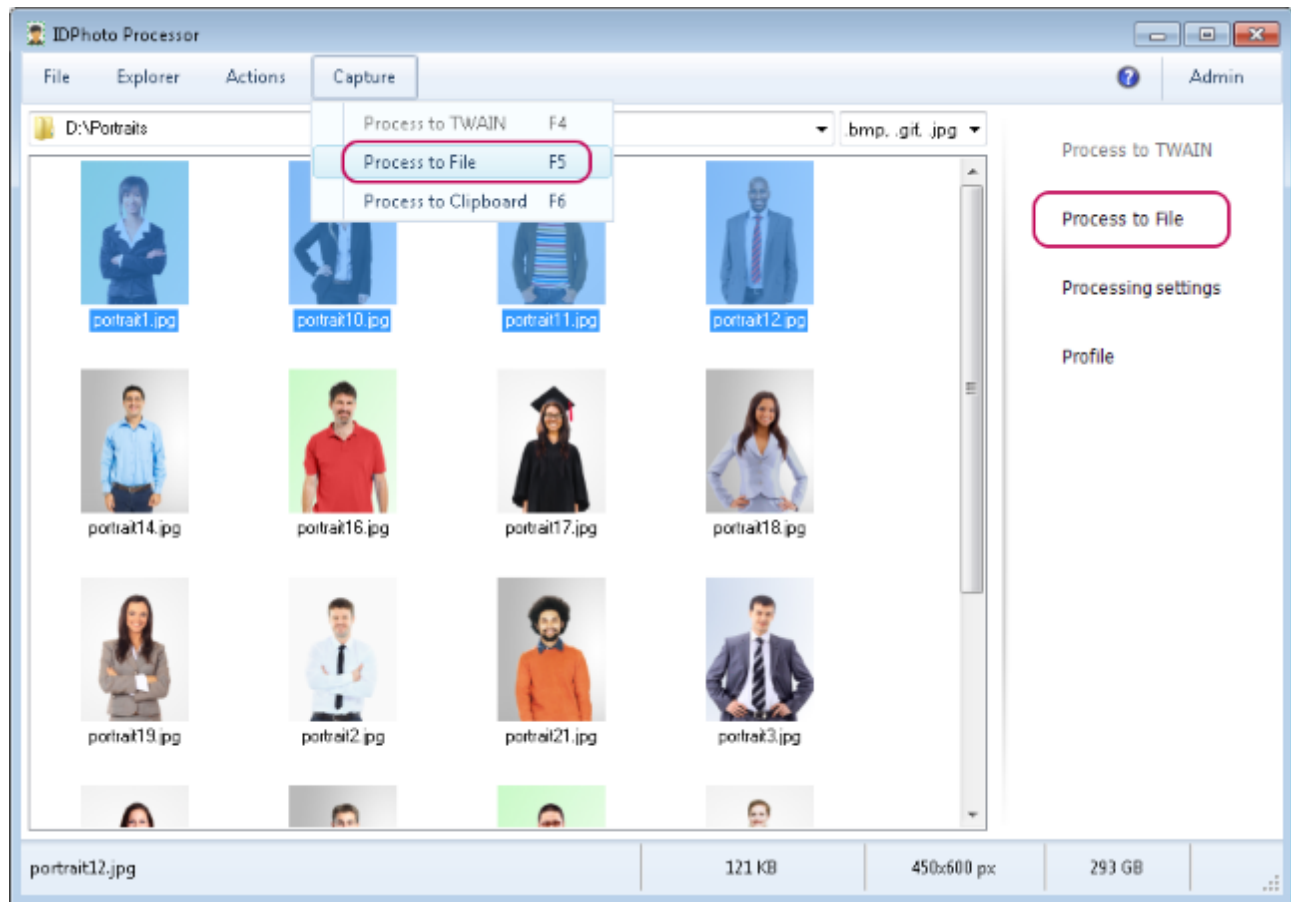
The **Process to File** button may be hidden in the side menu, if the application interface is set up in such the way. To make the button visible, enter the **File** menu > **Options** > **General** tab and set the **Show Capture to File button** setting. More details on the setting of side menu interface may be found in the [Side Menu Interface](#) chapter.



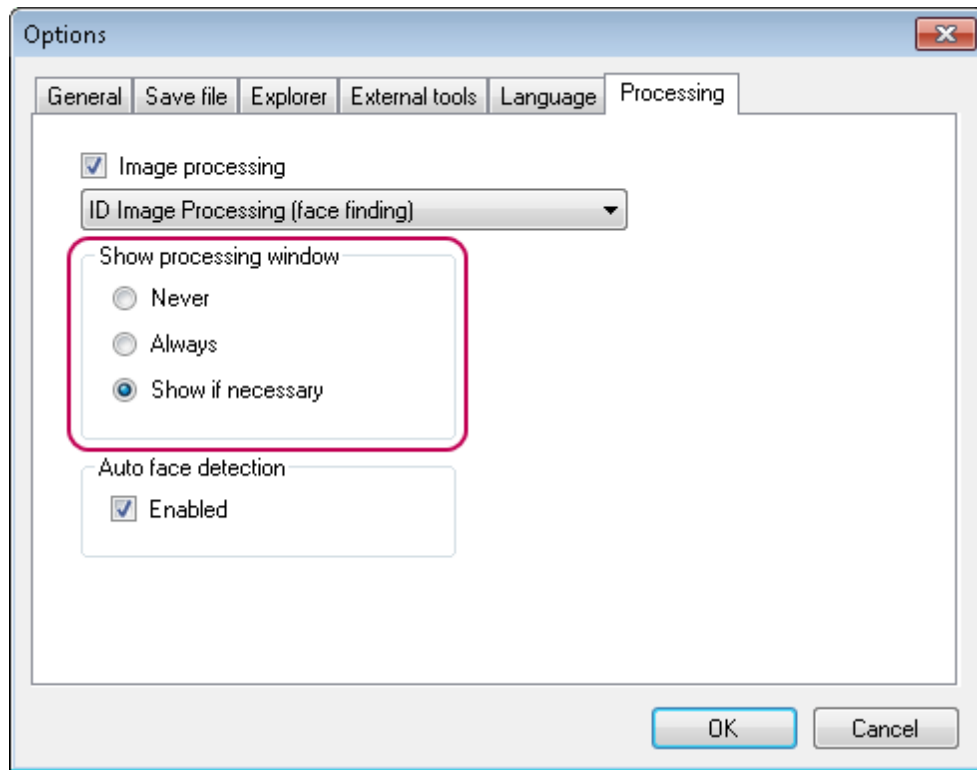
If the **Process to File** item is not active, select one or several images in the explorer.

So, select one or several images and start up **Process to File** in any way.





Further course of processing depends on the settings set by the user. Please note that the key processing settings are located in the **File** main menu > **Options** > **Processing** tab.



If **Always** is selected in the settings, then the **ID Image Processing** dialogue will be called up for every image being processed.

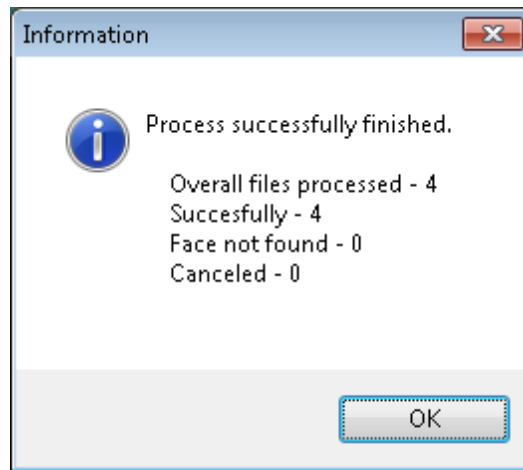
If the dialogue opening setting is set to the **Show if necessary** value, the dialogue will be opened only if a user's participation is needed for processing the images. The dialogue will not be opened for successfully processed photos.

If the **Never** option is selected, processing will be carried out without opening the **ID Image Processing** dialogue. Images that cannot be processed automatically will remain unchanged.

You can read more details on settings and actions on the **ID Image Processing** dialogue in the [General Settings](#), [ID Image Processing dialogue](#), and [Actions](#) chapters.



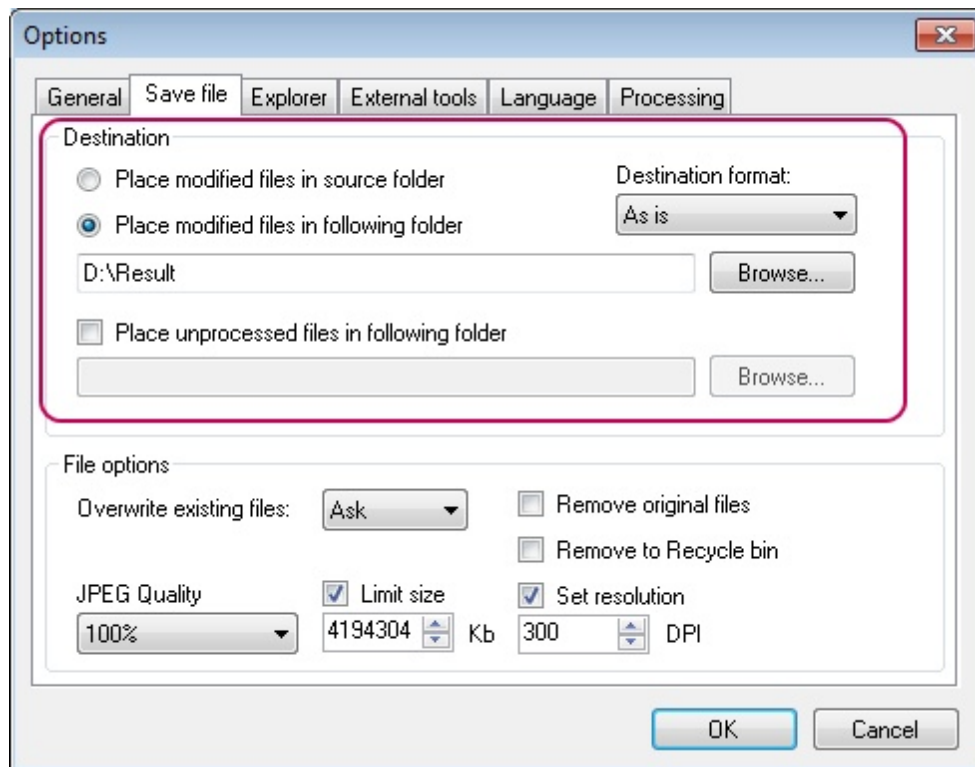
Thus, with the default settings, the application will display a message with statistics upon the process completion. The message informs on the successful completion of the process as well as on the number of images processed, on the number of those processed successfully, those on which no face has been detected, and those for which processing has been cancelled.



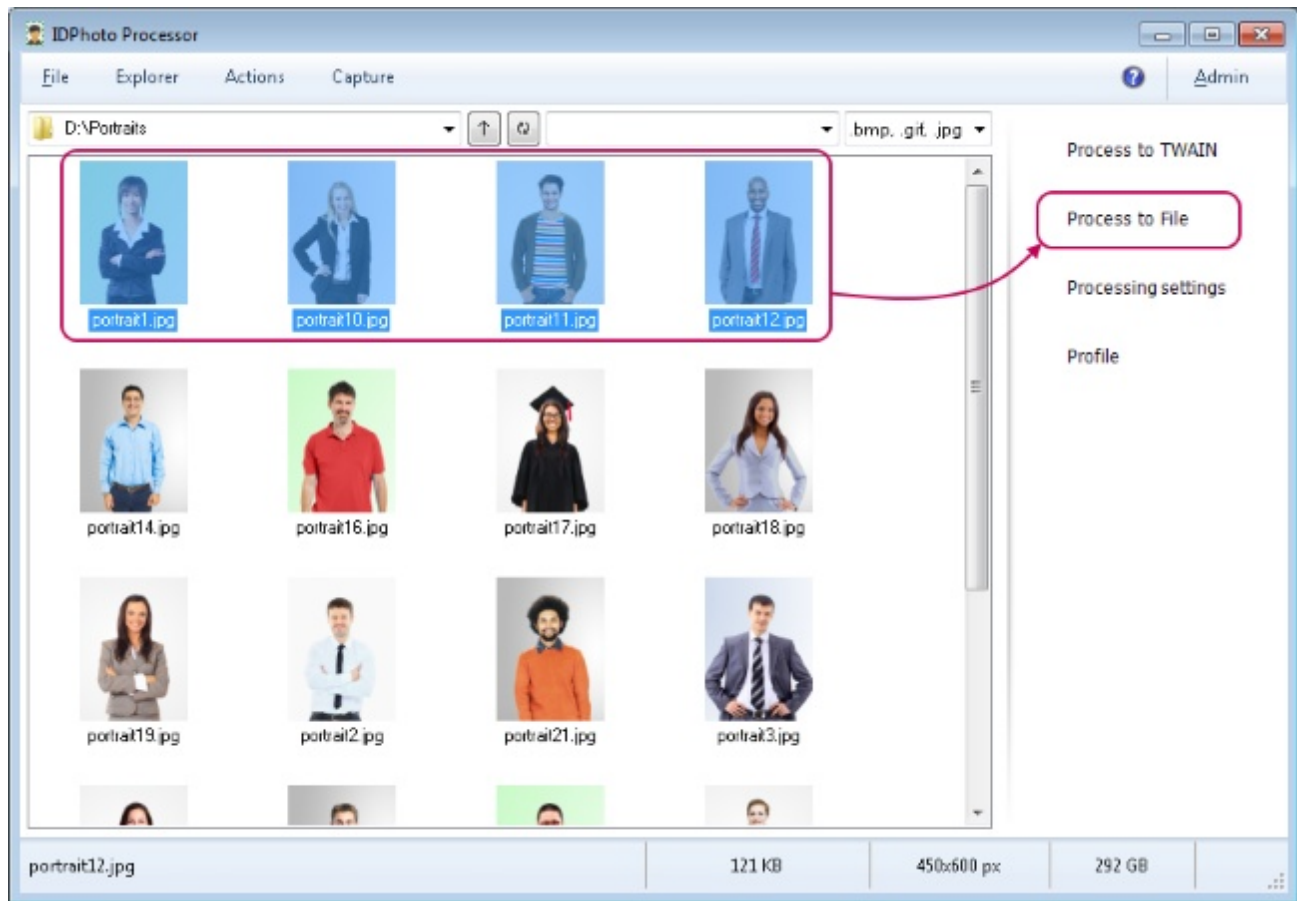
The display of the message with statistics is regulated with **Show Processing Statistics** setting located in **File** main menu > **Options** > **Explorer** tab.

If the processing has been started for a single image, such a message will not be displayed.

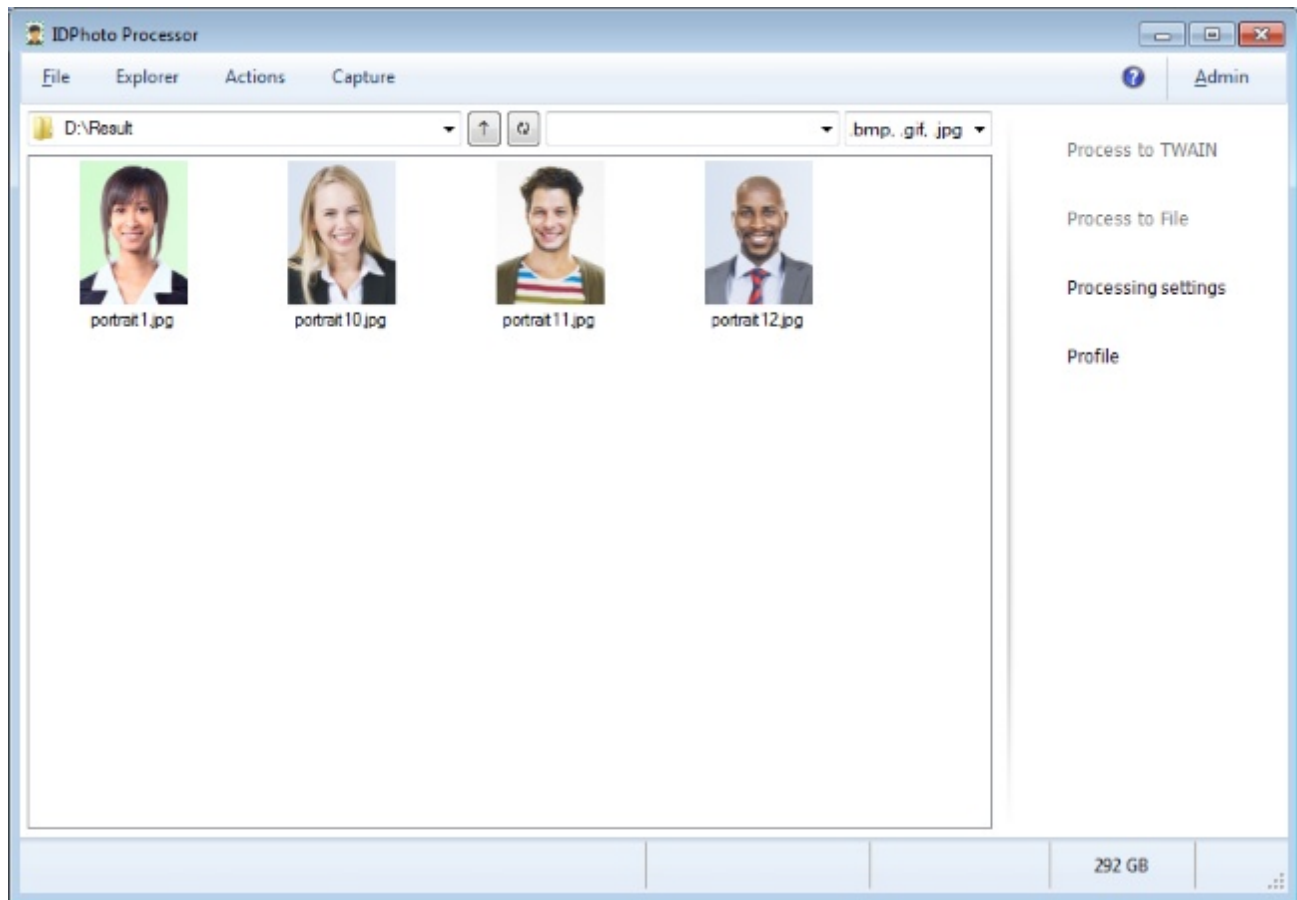
Then, to see the processed images we enter the folder indicated in saving settings. Please note that the saving settings are located in the **File** menu > **Options** > **Save file** tab > **Destination** section.



In this example, 4 images have been sent to processing.



The result looks like this. You can see in the picture that all photos have been successfully processed and saved.



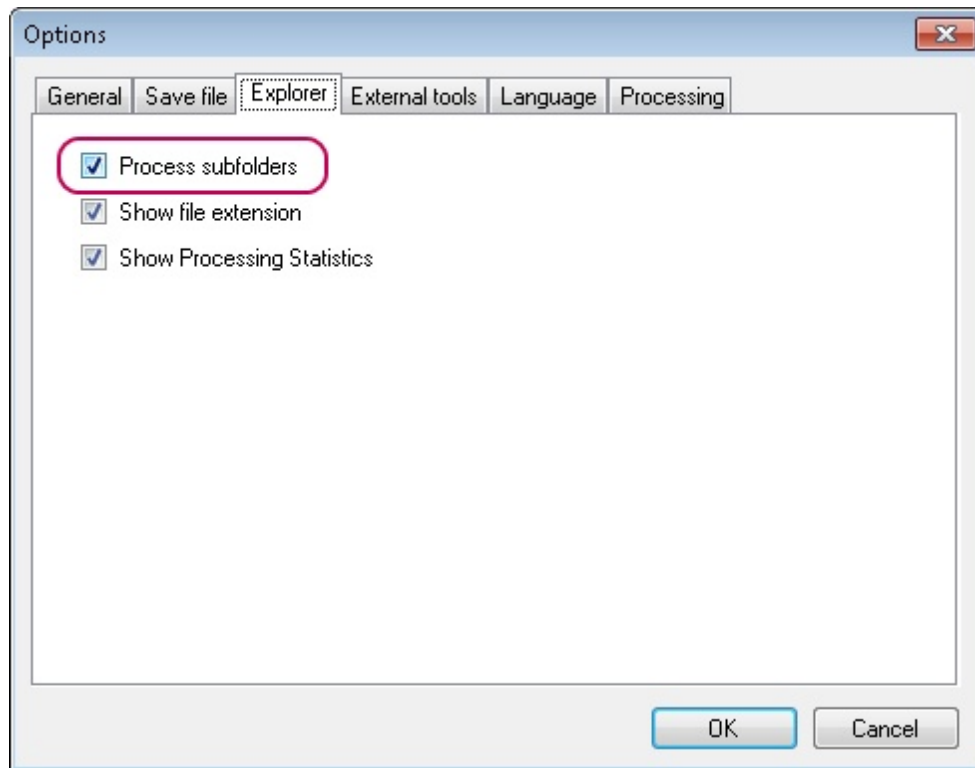
You should be reminded that by default **IDPhoto Processor** is set as to be minimized to tray after the processing completion. More details on settings regulating processing completion may be found in the [Processing Completion](#) chapter.

The contents of the chapter are as follows:

[Processing of Folders with Subfolders](#)

Processing of Folders with Subfolders

There is a possibility in **IDPhoto Processor** to run **Process to File** not only for files, but for subfolders as well. This option may be enabled or disabled using the **Process subfolders** setting located in the **File** menu > **Options** > **Explorer** tab.



Process to Clipboard

The **Process to Clipboard** command processes and saves images to the clipboard. As opposed to **Process to TWAIN** and **Process to File**, only one image can be saved to the clipboard.

The command can be started from the **Capture** main menu > **Process to Clipboard**, from the side menu by pressing the **Process to Clipboard** button or from the context menu in the explorer.

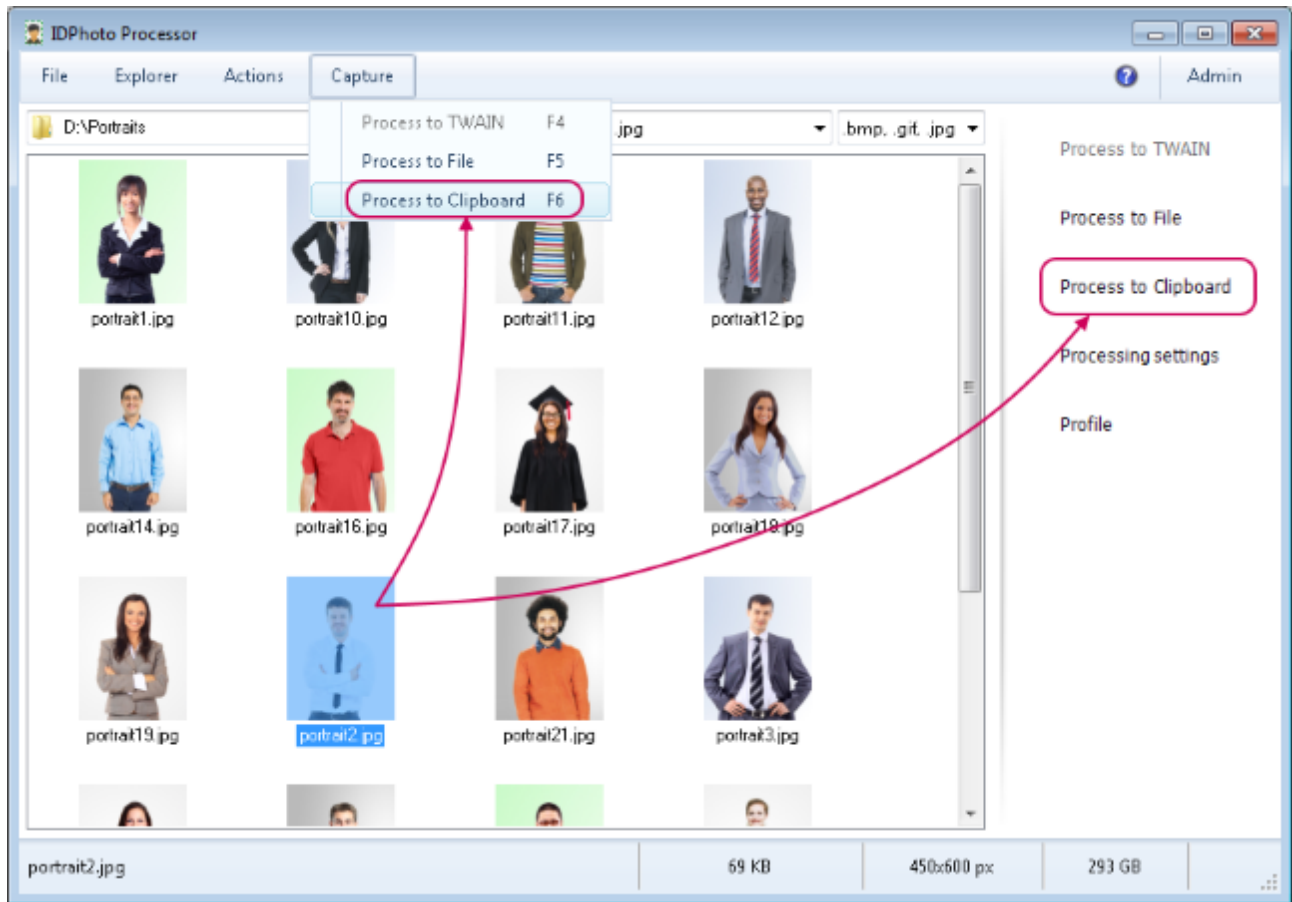


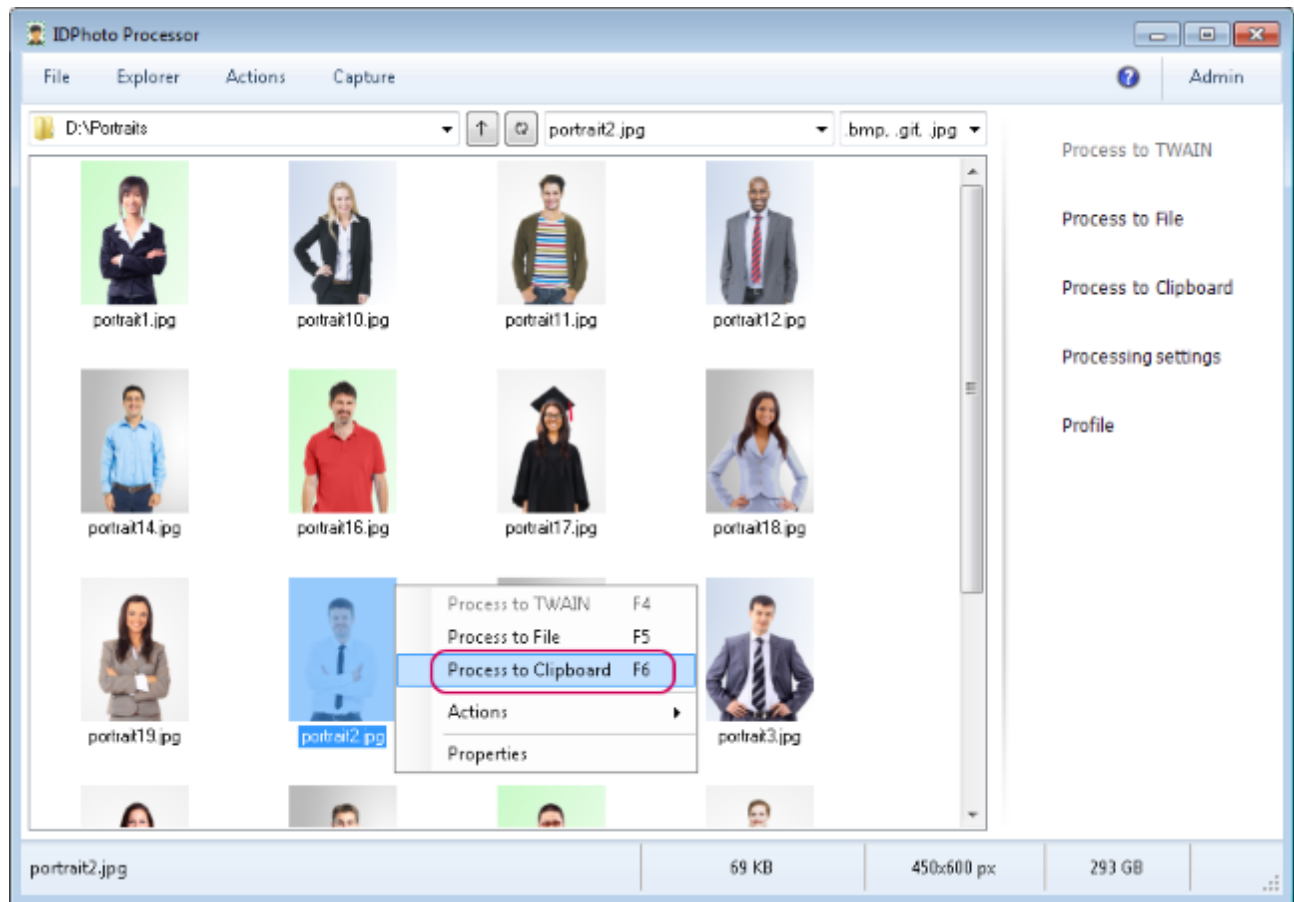
*By default, the application interface is set in such a way that the **Process to Clipboard** button is hidden on the side menu. To make the button visible, please enter the **File** menu > **Options** > **General** tab and set the **Show Capture to Clipboard** setting. More details on the setting of side menu interface may be found in the [Side Menu Interface](#) section.*



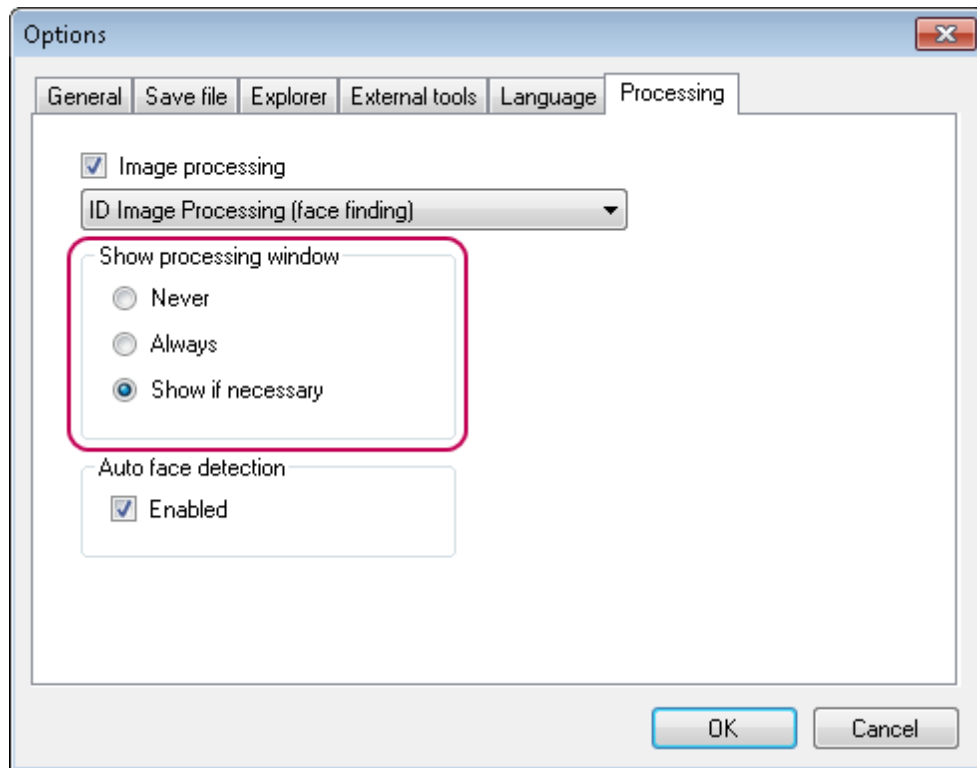
*If the **Process to Clipboard** item is not active, select the required image in the explorer.*

So, let's run the **Process to Clipboard** command and take a look at how it works.





Further course of processing depends on the settings set by the user. Please note that the key processing settings are located in the **File** main menu > **Options** > **Processing** tab.

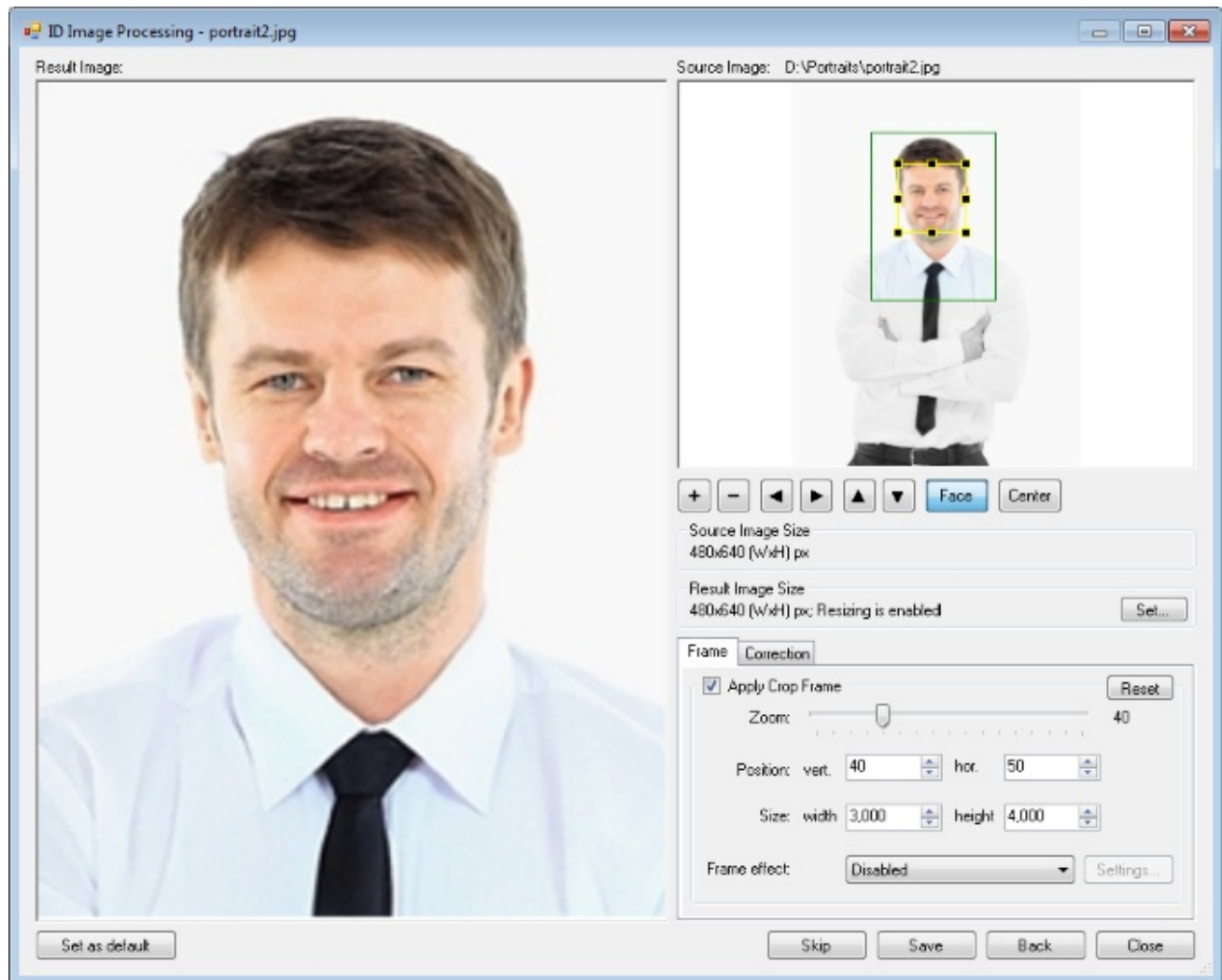


If **Always** is selected in the settings, then the **ID Image Processing** dialogue will be called up for the image being processed.

If the dialogue opening setting is set to **Show if necessary**, the dialogue will be opened only if a user's participation is needed for processing the images. The dialogue will not be opened for the successfully processed photos.

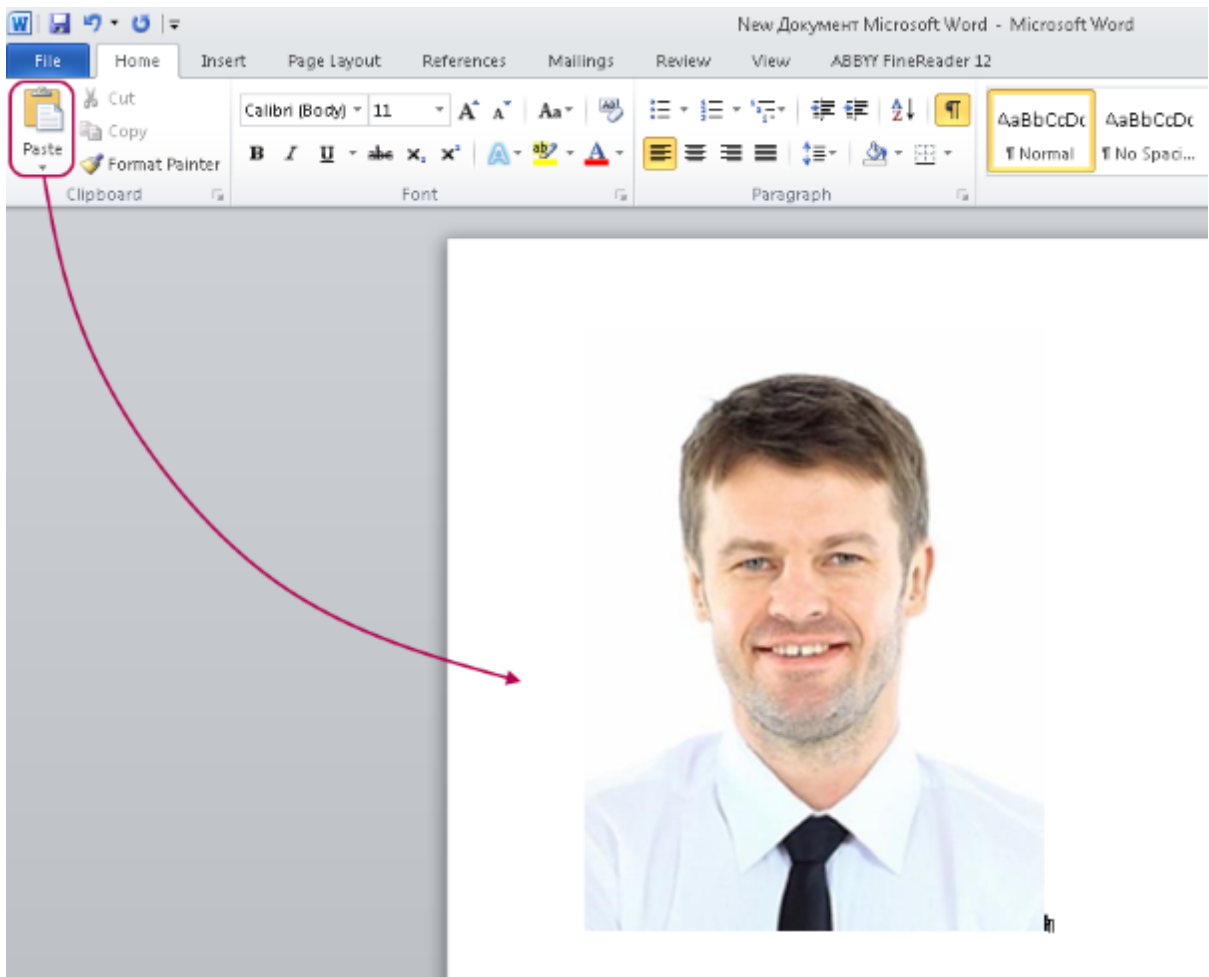
If the **Never** option is selected, processing will be carried out without opening the **ID Image Processing** dialogue. Images that cannot be processed automatically will remain unchanged.

You can read more details on settings and actions on the **ID Image Processing** dialogue in the [General Settings](#), [ID Image Processing dialogue](#), and [Actions](#) chapters.



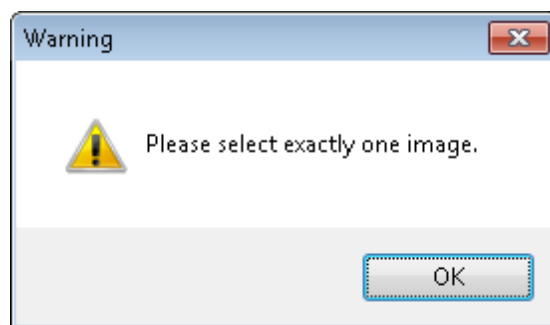
Upon processing completion, the image is placed into the clipboard. To see the result, let's paste the processed image from the clipboard into **Microsoft Word**, for example.

For this purpose, please open **Microsoft Word** and press **Paste** on the **Home** tab of the main menu. After that, the processed image will be pasted into the document. The result is shown in the picture below.

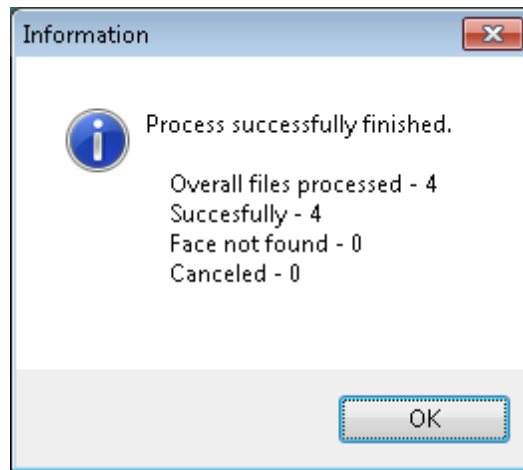


Please pay attention that when running **Process to Clipboard** for several photos at a time, all of them will be processed while only the last one will be placed in the clipboard.

In such a case, a message offering to select only one photo for saving to the clipboard will be shown.



Also when processing a series of photos, a message with statistics will be shown at the end.



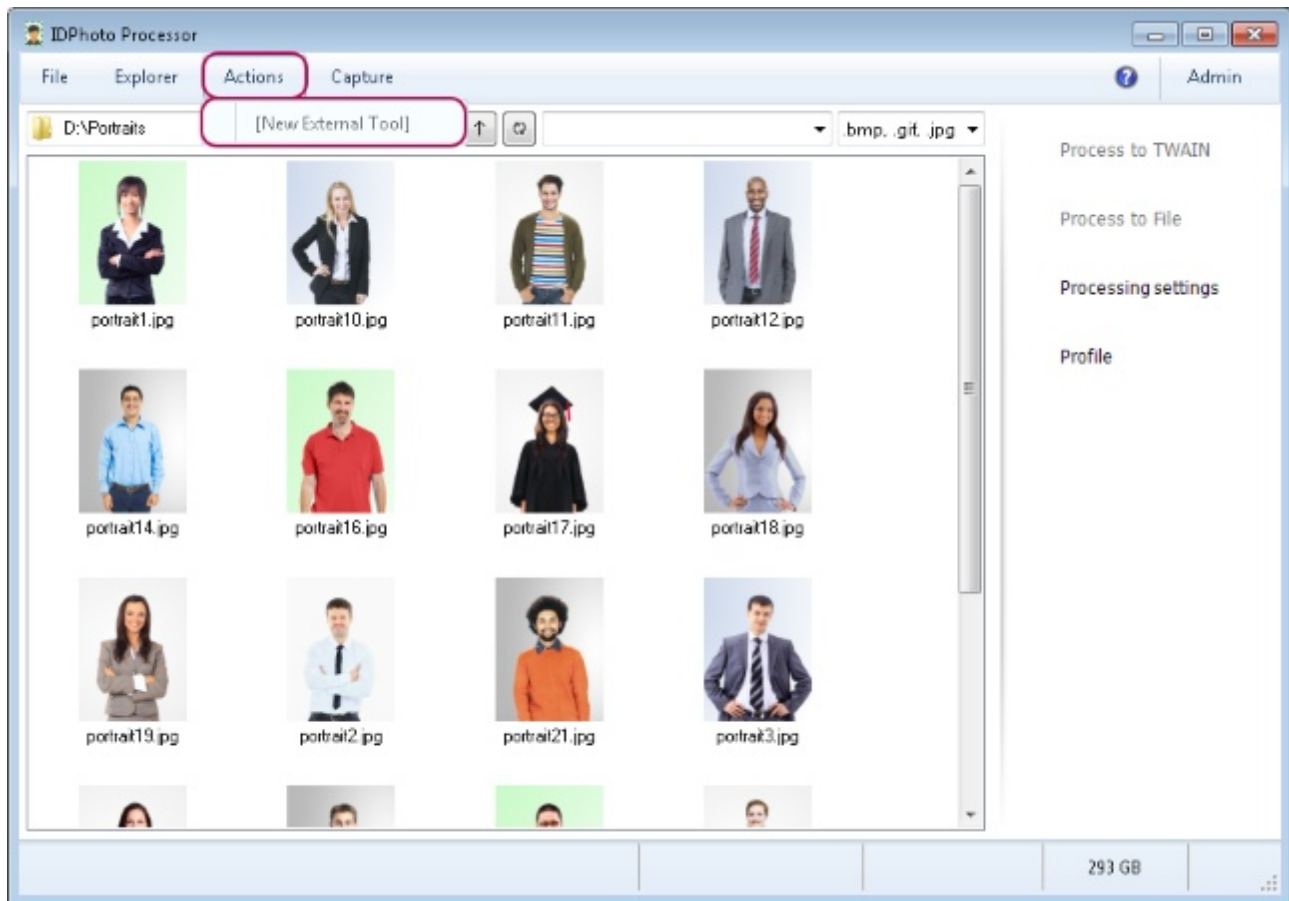
If processing has been started for a single image, such a message will not be displayed. More details on the statistical data may be found in the [Statistics](#) section.

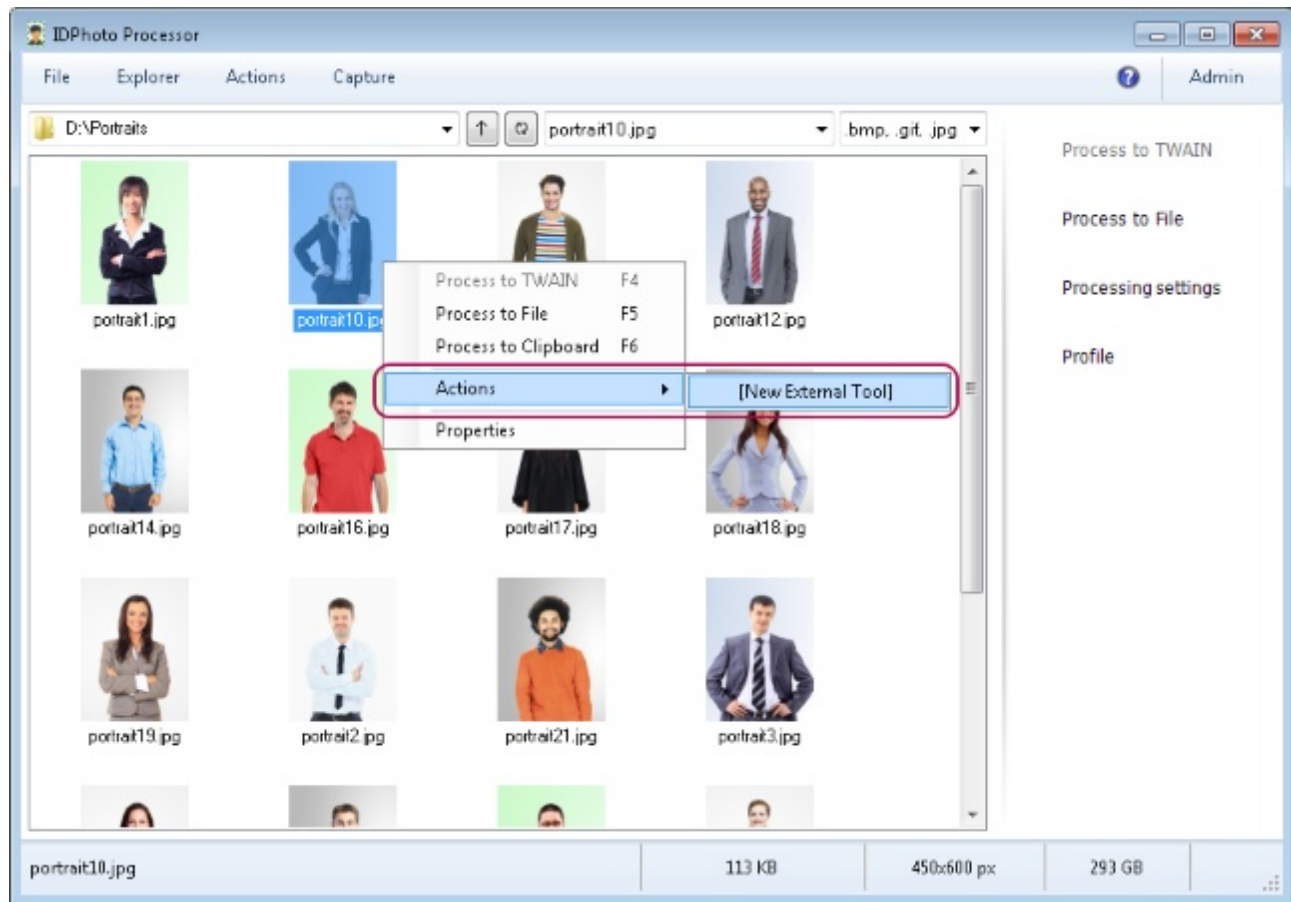
Please note that **IDPhoto Processor** is set by default as to be minimized to tray after processing completion. More details on settings regulating processing completion may be found in the [Processing Completion](#) section.

Chapter 5. External tools

There is a possibility for connecting external applications to the **IDPhoto Processor** application. Such feature makes further work with photos automatic while also allowing you to call up the required tool for the specified image.

Connection of external applications is carried out under form of adding new items to the **Actions** menu. By default, the menu consists of only one item for adding a new application — **[New External Tool]**.

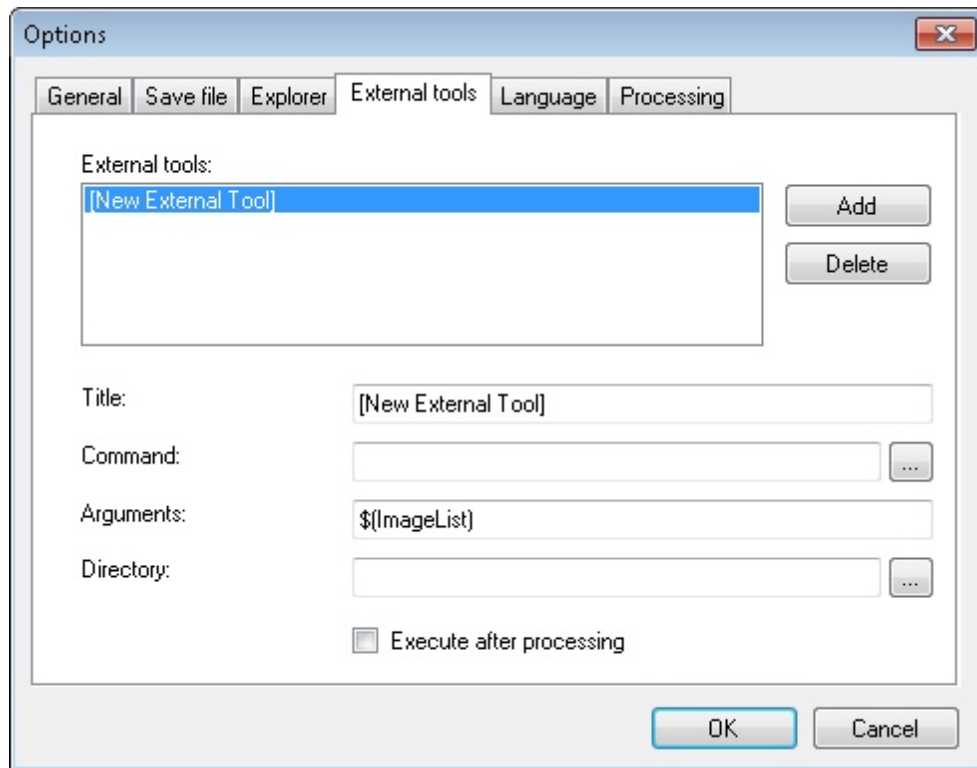




Connecting, editing and deleting of external applications are carried out through the **File** menu > **Options** > **External tools** tab. The tab contains parameters for connecting to an external application.



*If the boxes are not active, select the required application or the **[New External Tool]** item from the **External tools** list.*



Let's take a look at the function of each parameter.

The **External tools** box is the list of connected applications.

The **Title** box is designated for the application title. The user may choose it at his/her own discretion. The title selected will be displayed in the **Actions** menu.

In the **Command** box, you need to indicate the path to the application file or package file. Here you can state files with the exe, com, bat, cmd extensions.

The **Arguments** box contains command line arguments. Upon calling up an external application, the **ImageList** argument will be changed to the list of the file names. The file name to be indicated fully, including the path, and to be enclosed in quotes. Please use a space as a separator between the names. For example: "d:\portrait1.jpg" "d:\portrait2.jpg" "d:\portrait3.jpg".

Directory - in this box you have to indicate the path to the working folder of the external application. Most of the applications do not use this parameter, but there are some cases when it is mandatory.

Execute after processing parameter enables and disables start up of an external application after completing image processing. This parameter can be set only for one application at a time. If you

assign **Execute after processing** first for one application and then for another one, then at the moment of setting the parameter for the second application, it will be reset for the first one.

Add and **Delete** serve for adding and deleting external applications respectively.

In the next sections of this chapter, we'll describe the work with external application by example of the **Paint.net** graphics editor and the **Blat** e-mail client.

The contents of the chapter are as follows:

[An Example with Paint.net Image Editor](#)

[An Example with Blat Email Client](#)

An Example with Paint.net Image Editor

In this example, we'll connect the **Paint.net** image editor and demonstrate its work in manual and automatic modes. The connection with graphics editor is useful when you need to additionally edit photos after processing.

The contents of the chapter are as follows:

[Connection](#)

[Manual Mode](#)

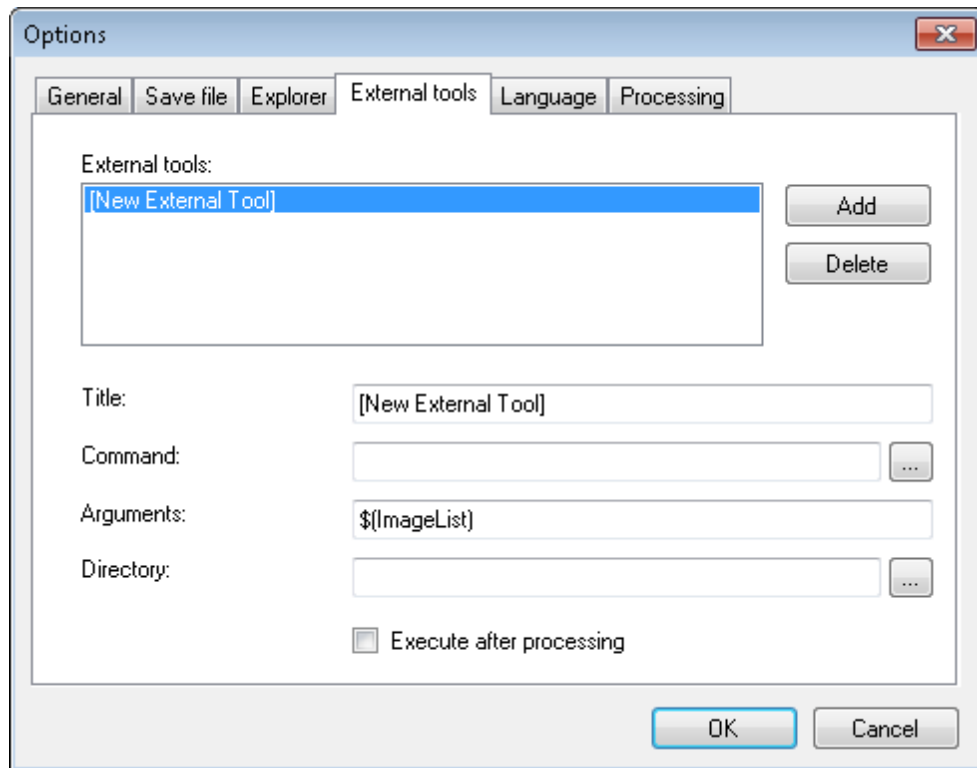
[Automatic Mode](#)

[Editing and Deleting](#)

Connection

Add **Paint.net** to the list of external applications of **IDPhoto Processor**.

Open the **File** menu > **Options** > **External tools** tab. Select the **[New External Tool]** item in the **External tools** box.



Let's state the editor title and the path to its executable file as shown in the picture below.

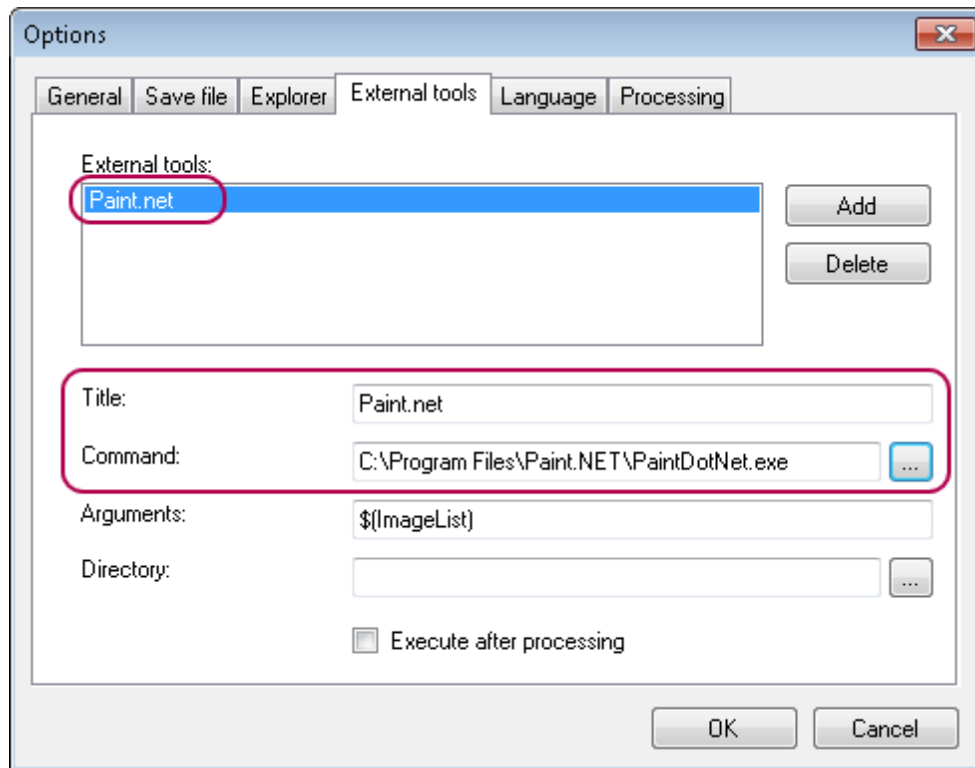


*Your path to **PaintDotNet.exe** may differ from the one shown in the example.*

Please note that in the **Title** box, you can enter any name for stating the editor. The value entered to **Title** will become the title of the corresponding item in the **Actions** menu.

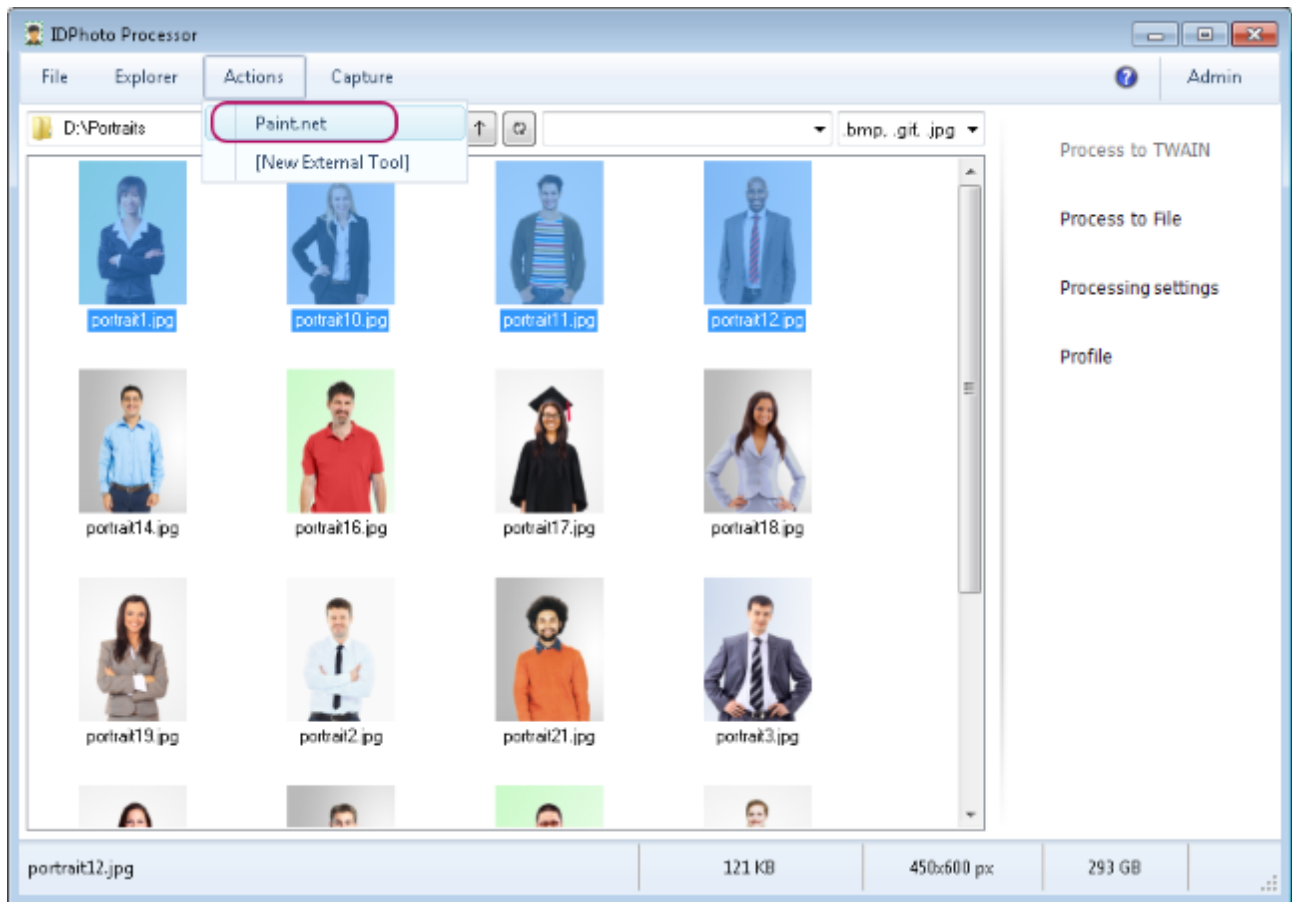
More details on external application connection options may be found at the beginning of [this Chapter](#).

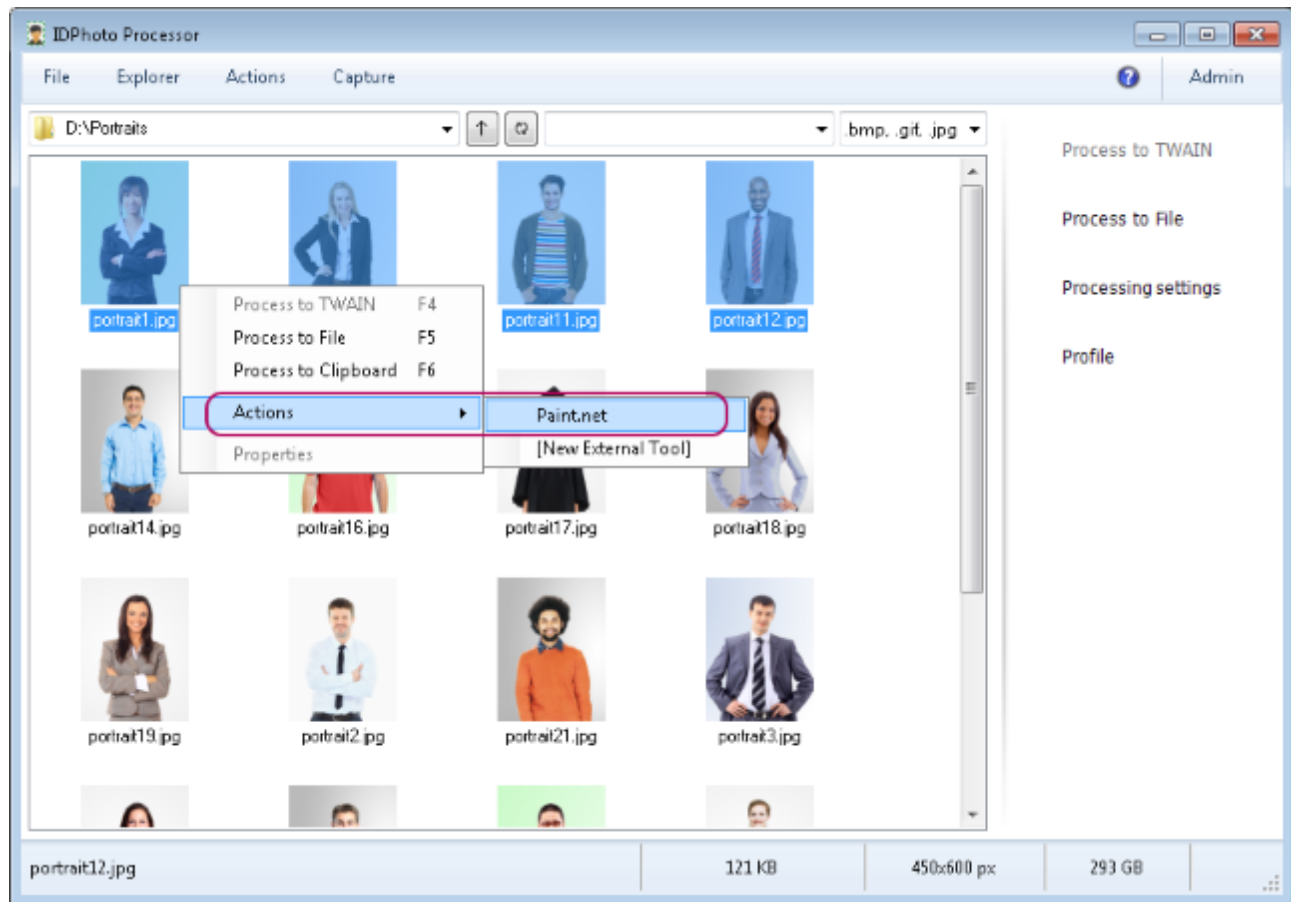
After filling in the **Title** and **Command** boxes, the application will appear in the **External tools** list.



To complete establishing connection, press **Add**, then close the dialogue window with the **OK** button.

Now, **Paint.net** is connected and added to the **Actions** menu.

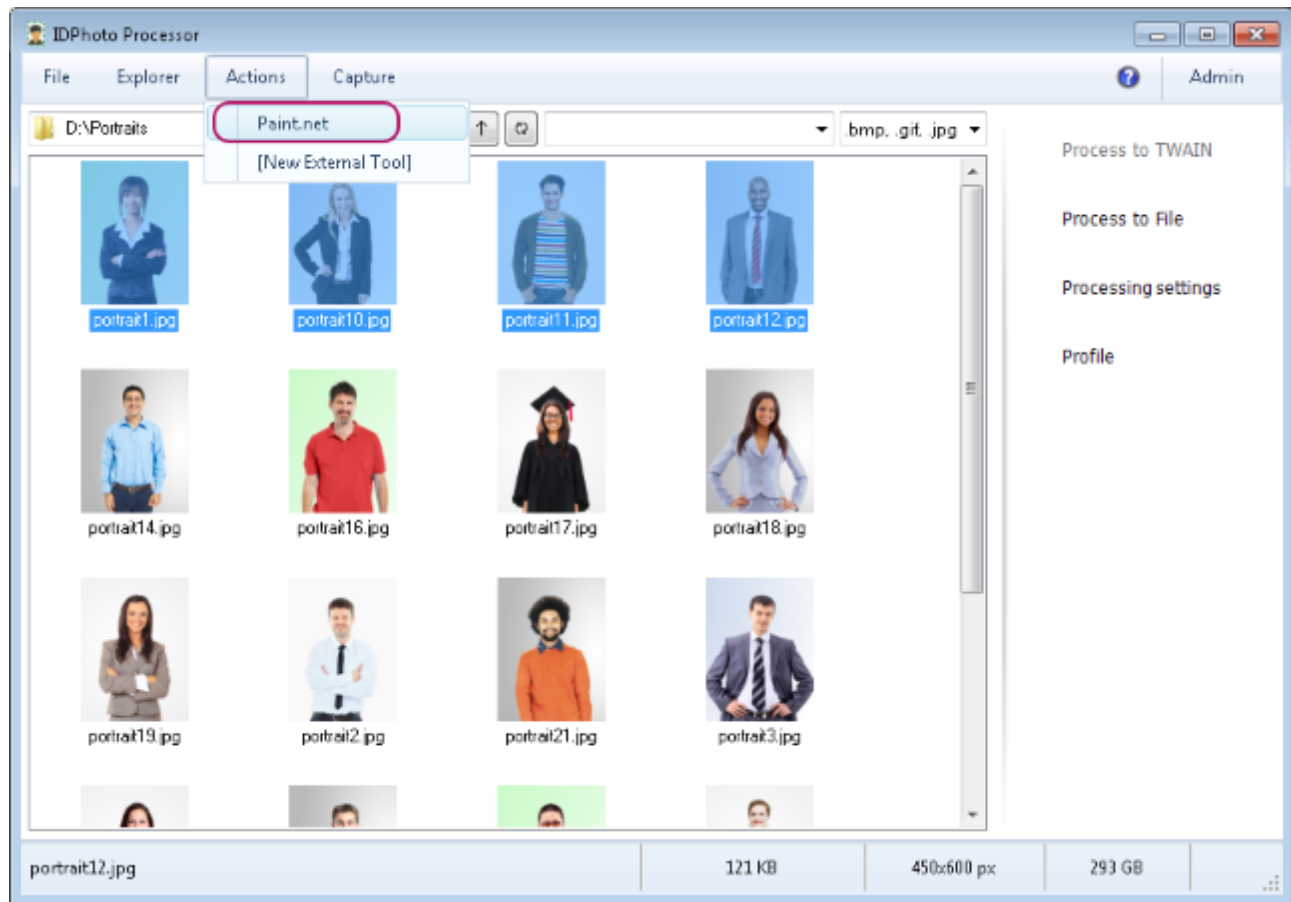




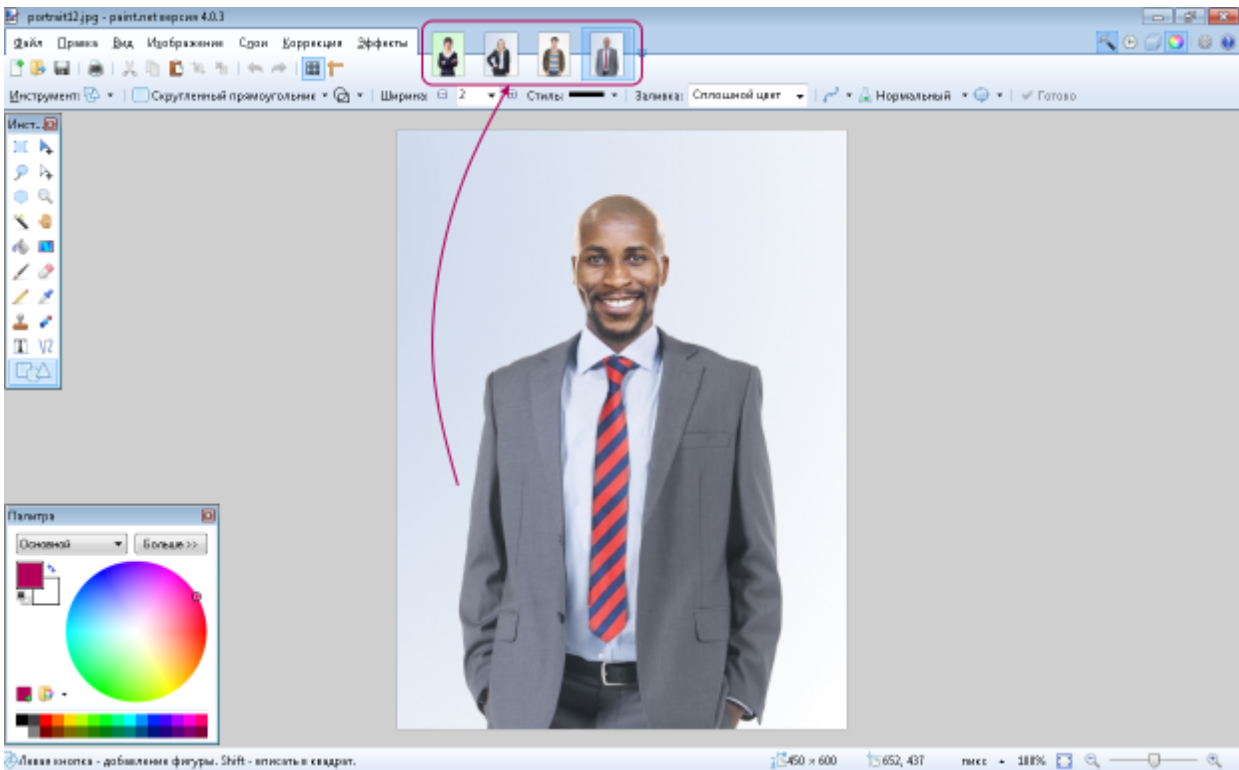
Manual Mode

Let's demonstrate the operation of **Paint.net** in the manual mode.

For this purpose, select several images in the explorer, then open the **Actions** menu and run the editor.



As can be seen in the picture below, **Paint.net** has started up successfully and opened the selected images. Please note that we had not run the processing process, and the editor has opened the selected images without any changes.



Automatic Mode

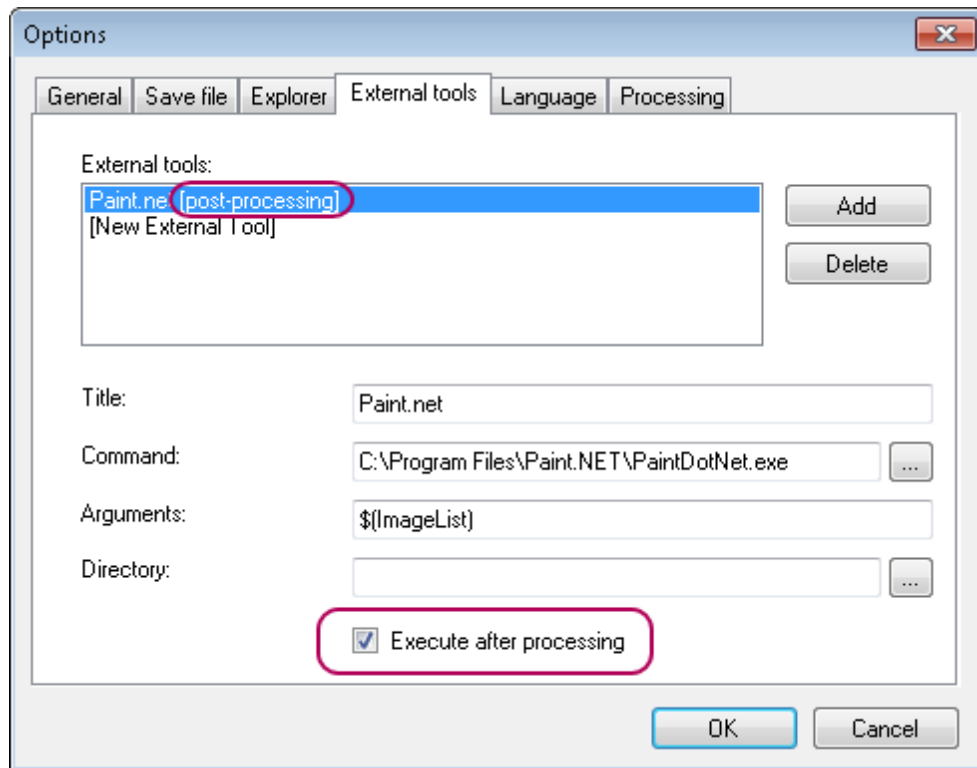
Running **Paint.net** in the automatic mode allows opening images in the editor immediately after processing without any interim actions by the user.

Let's demonstrate the operation of **Paint.net** in the automatic mode.

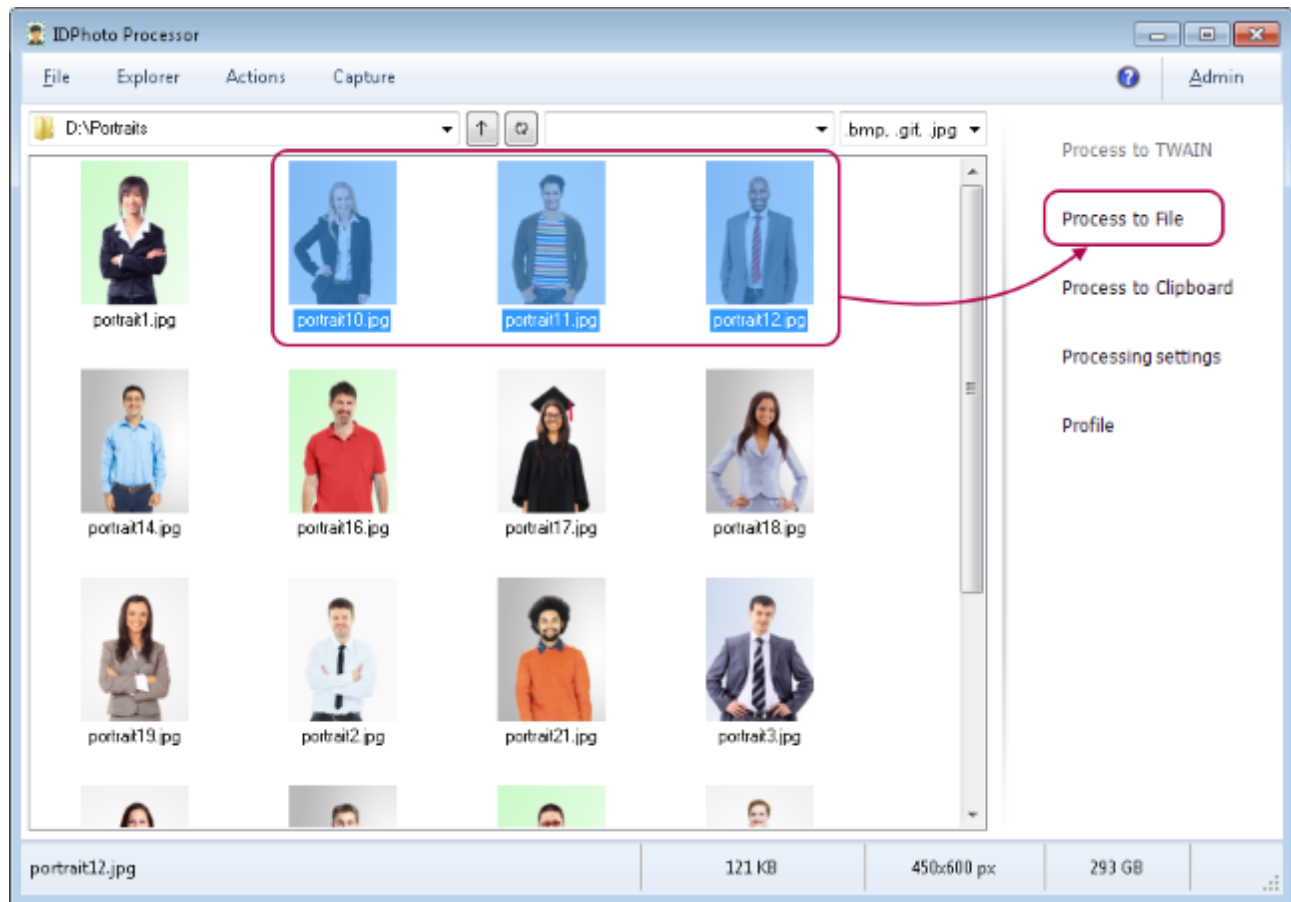
For this purpose, open the **File** menu > **Options** > **External tools** tab in **IDPhoto Processor** and set the **Execute after processing** setting.



Execute after processing setting can be set only for one application at a time. If you assign **Execute after processing** first for one application and then for another one, then at the moment of setting the parameter for the second application, it will be automatically disabled for the first one.



The **[post-processing]** option will appear in the application list next to the **Paint.net** title. It informs you that the automatic running after processing for the application is enabled. Then, we select several photos and run the processing process, for example, through **Process to File**.



Further application behaviour depends on the processing process settings. It should be reminded that they are located in the **File** menu > **Options** > **Processing** tab.

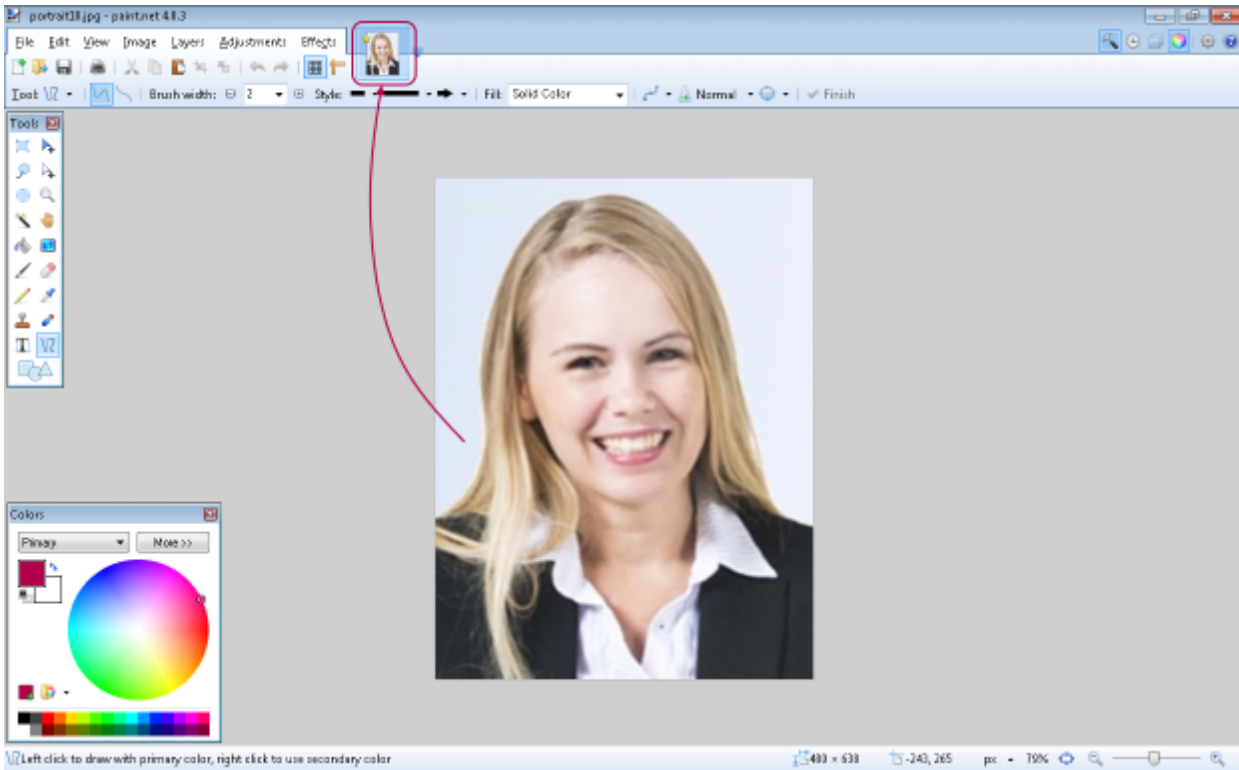
Thus, if the **Show processing window** setting is set to **Always**, the setting dialogue will be called up for each photo being processed.

Upon the **Show if necessary** value set, the setting dialogue will be called up only for photos whose processing requires a user's participation.

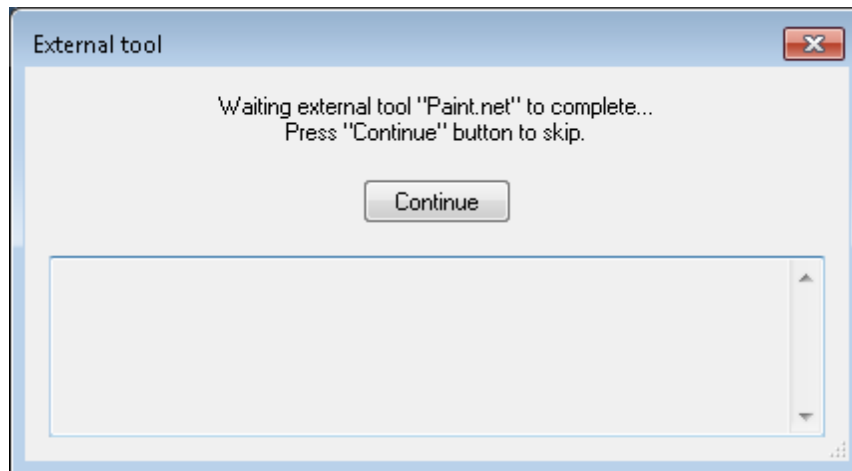
If the **Never** value is chosen, the dialogue will not be called up.

More details may be found in the [General Settings](#) section.

After the processing, the first image will be opened in **Paint.net**.



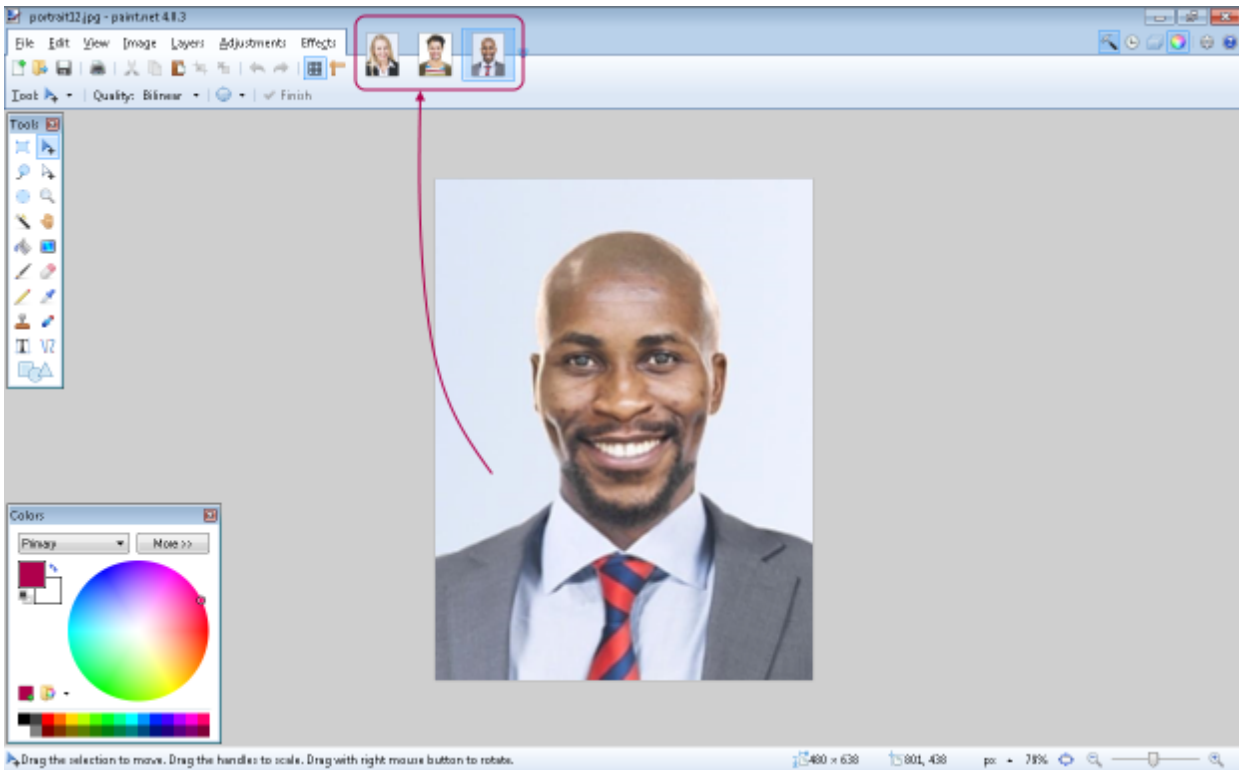
At this time, a completion waiting window for the external application operation will appear in **IDPhoto Processor**.



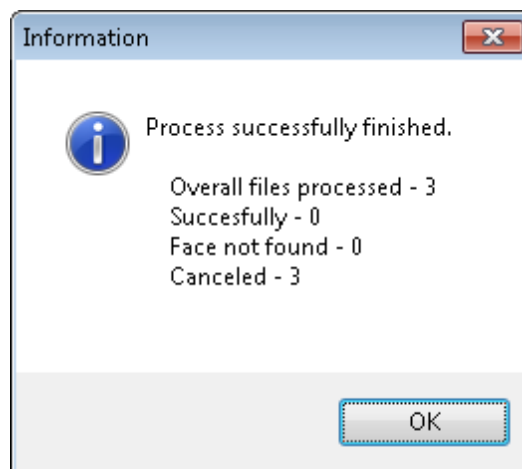
The waiting window will close automatically after completion of the external application operation. This mode is useful when working with command line utilities. If an external application is to be left running, press **Continue** to go on working with **IDPhoto Processor**. In our example, it is more convenient to process and open all images at once in the editor, so we'll return to **IDPhoto Processor** and press **Continue** in the dialogue window. Now, **IDPhoto Processor** will not wait for

Paint.net being closed, but will move on to processing the next photos.

The result can be seen in the picture below.



Upon completion of the processing, **IDPhoto Processor** will display a message informing on successful completion of the process as well as on the number of images processed, the number of those processed successfully, of those on which no face has been detected and of those with processing cancelled.

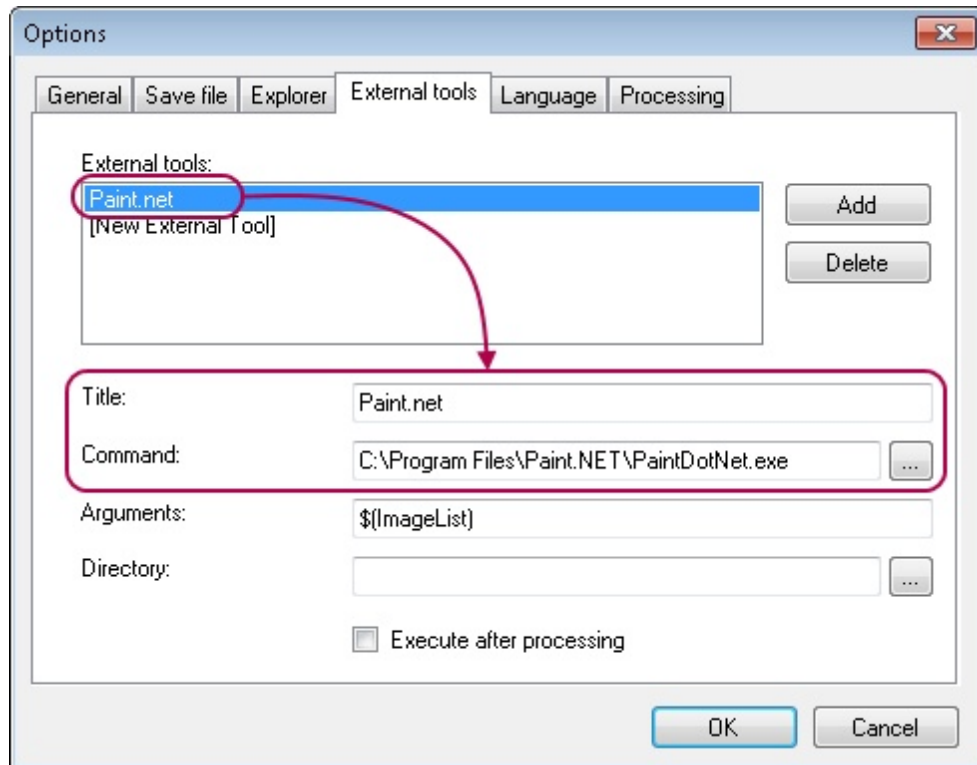


You can see from the message that the number of photos processed corresponds to the number of

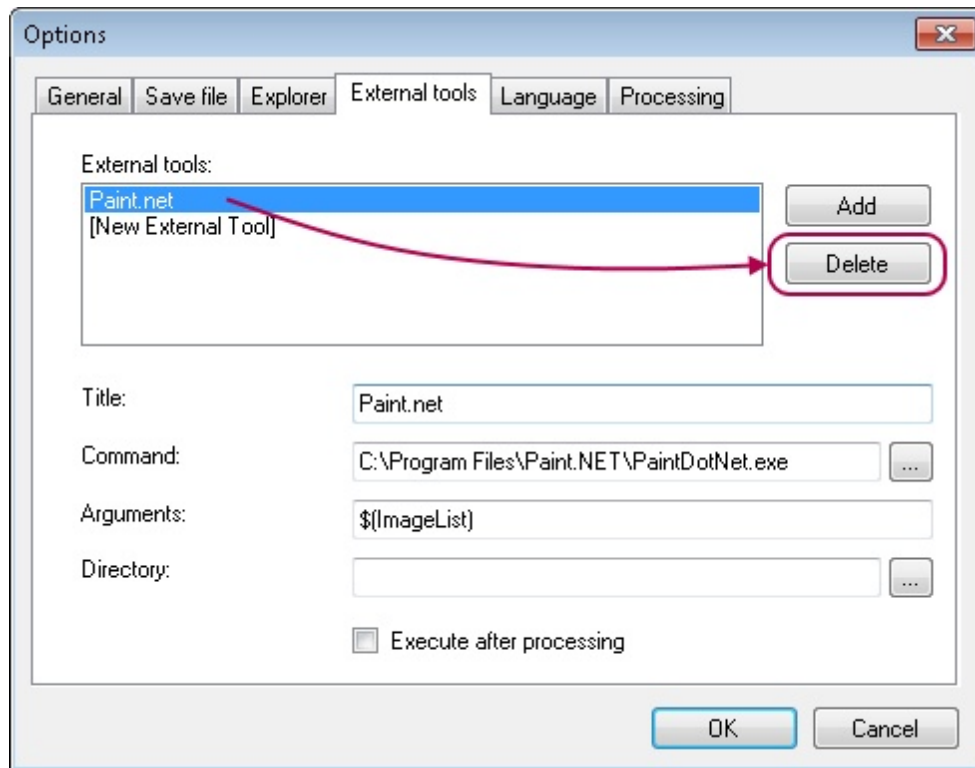
photos opened in the editor.

Editing and Deleting

To change the parameters of **Paint.net** connection, select it in the **External tools** list, change parameter values and close the dialogue with **OK**.



To delete the application, select it from the **External tools** list, press **Delete** and close the dialogue with **OK**.



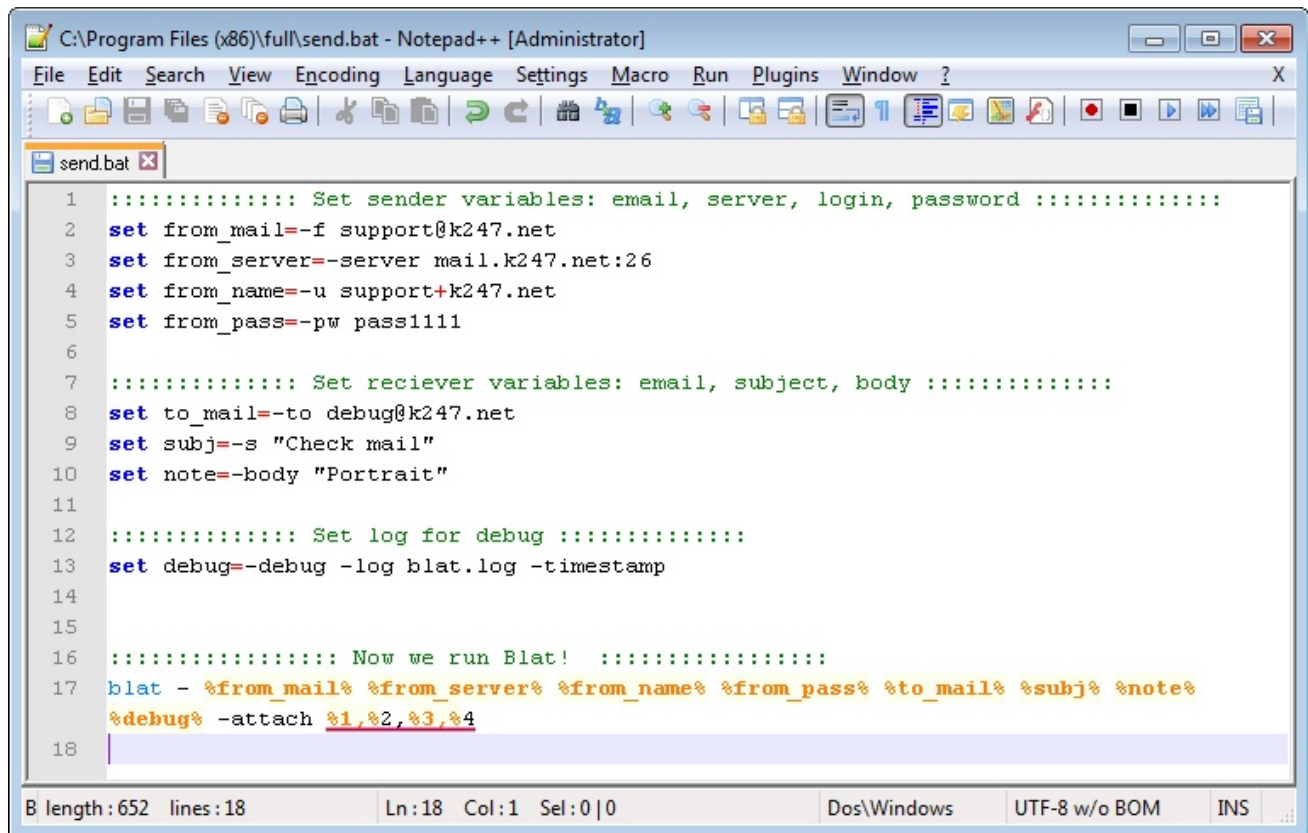
An Example with Blat Email Client

In this example, we'll connect the **Blat** email client and demonstrate its operation in manual and automatic modes. The connection with the email client is useful when you need to email photos after processing.

Blat is a command-line utility, so the batch file is needed for working with it.

Create a batch file with bat extension and place it to the same folder where blat.exe is located. An example of the file contents is shown in the picture below.

More details on the syntax of the batch file in **Blat** can be found in the developer website or the utility accompanying documents. It should be noted here just that the number of files being sent is indicated at the end of the file with the following parameters: `%1,%2,%3,%4`. Further in the example, we'll attach various number of files to the email, so this parameter will change. For sending one attached file, the parameter will look like this: `%1`, to increase the number of the attached files you only have to add them with % sign separated by commas. Thus, for sending 4 files, the entry will look like this: `%1,%2,%3,%4`.



```
C:\Program Files (x86)\full\send.bat - Notepad++ [Administrator]
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
send.bat x
1 .....: Set sender variables: email, server, login, password .....:
2 set from_mail=-f support@k247.net
3 set from_server=-server mail.k247.net:26
4 set from_name=-u support+k247.net
5 set from_pass=-pw pass1111
6
7 .....: Set reciever variables: email, subject, body .....:
8 set to_mail=-to debug@k247.net
9 set subj=-s "Check mail"
10 set note=-body "Portrait"
11
12 .....: Set log for debug .....:
13 set debug=-debug -log blat.log -timestamp
14
15
16 .....: Now we run Blat! .....:
17 blat - %from_mail% %from_server% %from_name% %from_pass% %to_mail% %subj% %note%
   %debug% -attach %1,%2,%3,%4
18
B length: 652 lines: 18      Ln:18 Col:1 Sel:0|0      Dos\Windows      UTF-8 w/o BOM      INS
```

After creating the bat file, you can move on to connecting the application.

The contents of the chapter are as follows:

[Connection](#)

[Manual Mode](#)

[Automatic Mode](#)

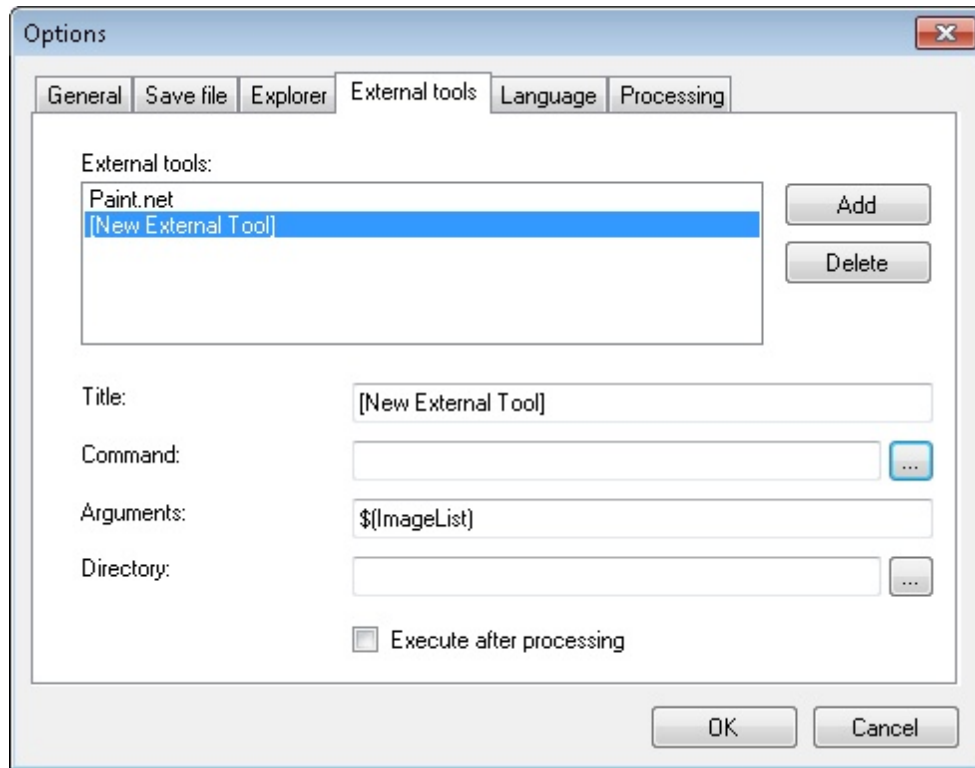
[Editing and Deleting](#)

Connection

To add **Blat** to the list of external applications, enter the **File** menu > **Options** > **External tools** tab. The tab contains parameters for connecting external applications.

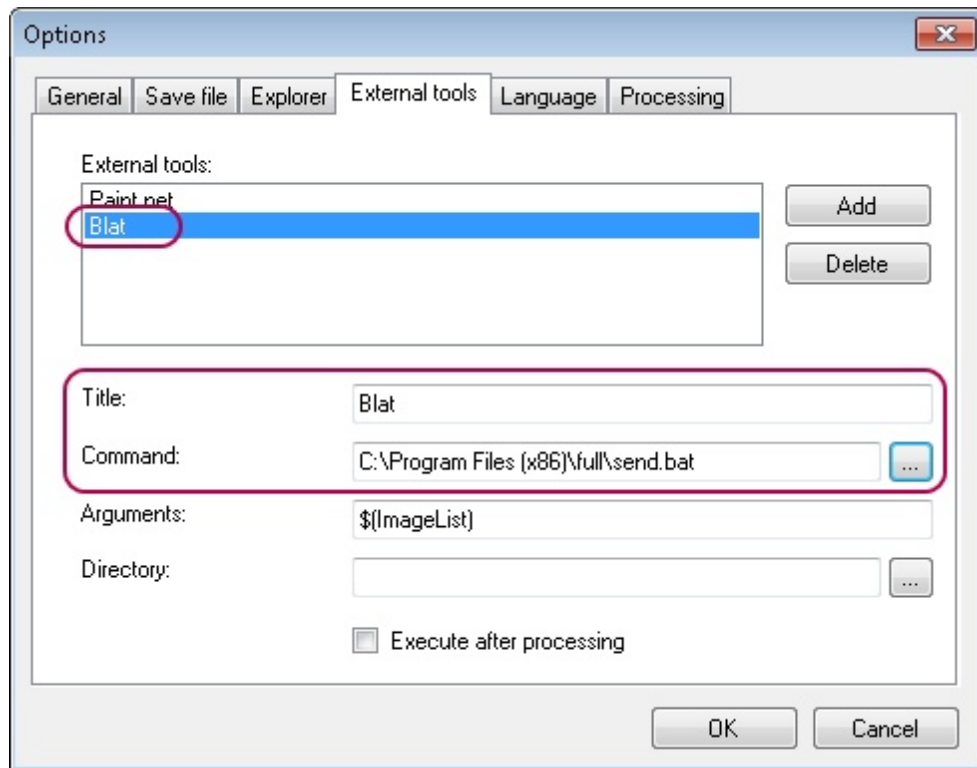
More details on the parameters may be found in [this chapter](#).

For the boxes to become active, the application should be selected from the **External tools** list. As we are connecting a new application, let's select **[New External Tool]**.



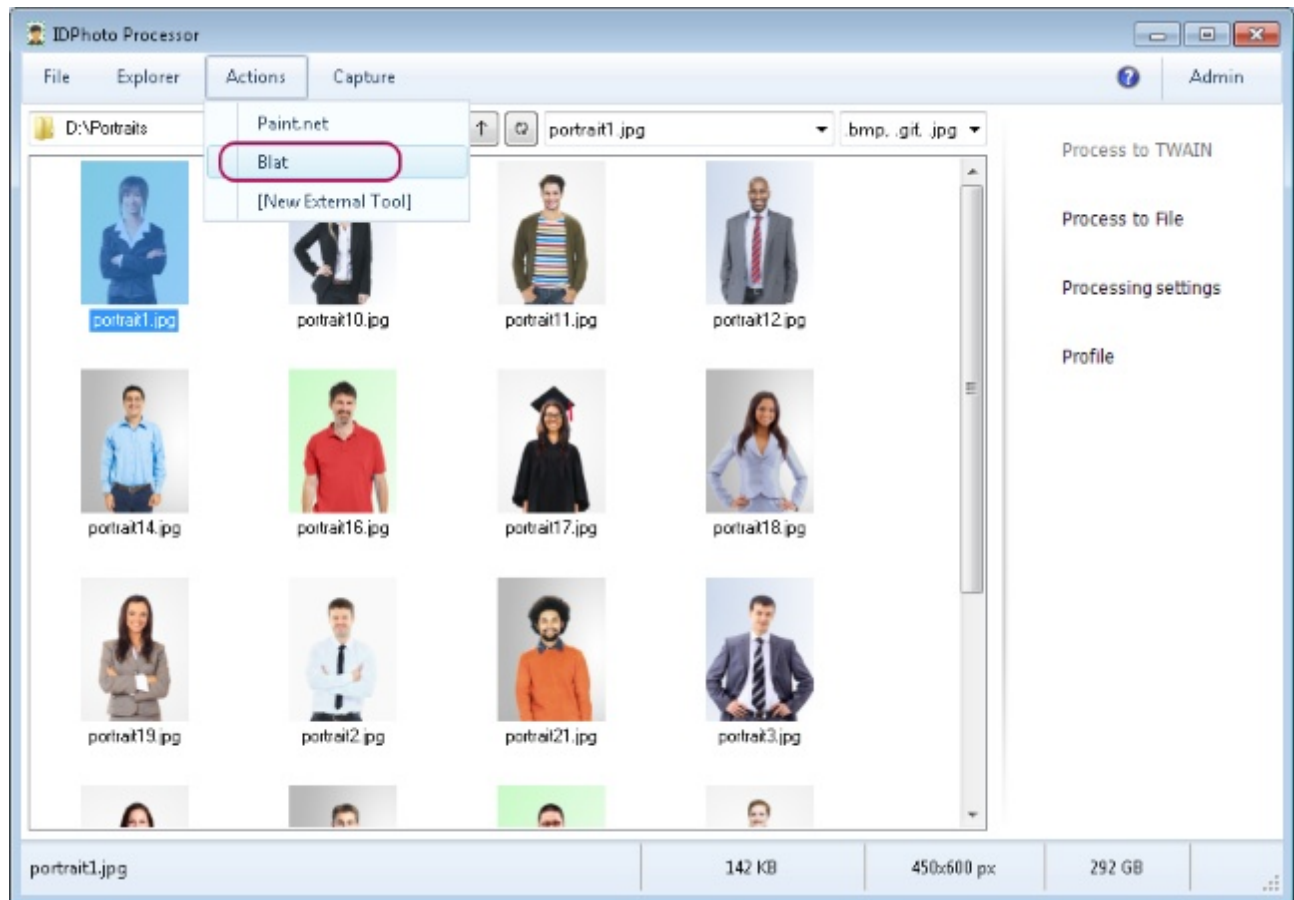
Fill out the **Title** and **Command** boxes. Write the utility title in the **Title** box. Please note that in this box you can enter any name for indicating the application. The value entered to **Title** will become the title of the corresponding item in the **Actions** menu. In **Command**, let's indicate the path to the bat file created at the beginning of the example.

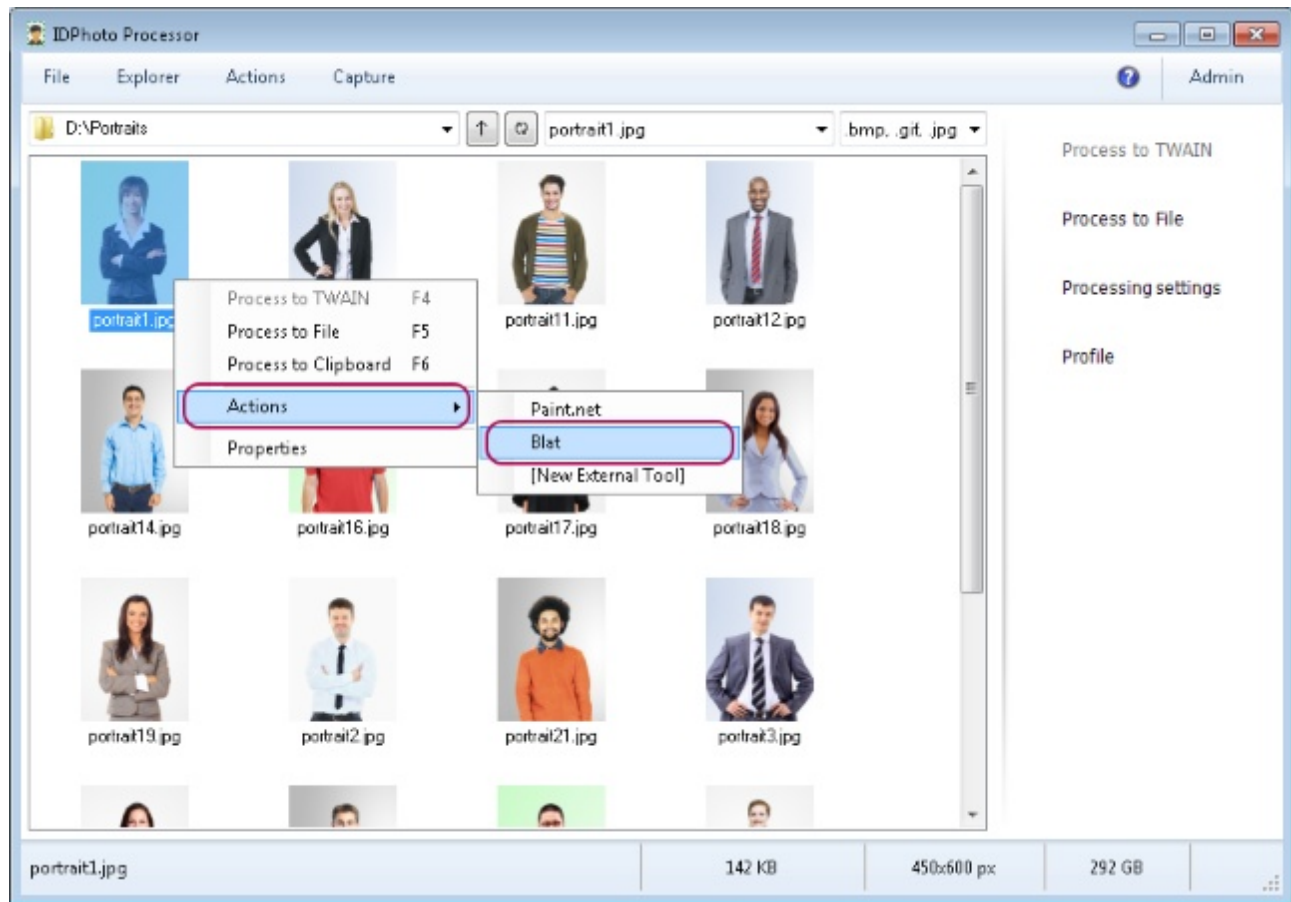
After filling in the **Title** and **Command** boxes, the application will appear in the **External tools** list.



To complete establishing connection, press **Add**, then close dialogue window with **OK** button.

Blat has now been connected and added to the **Actions** menu.





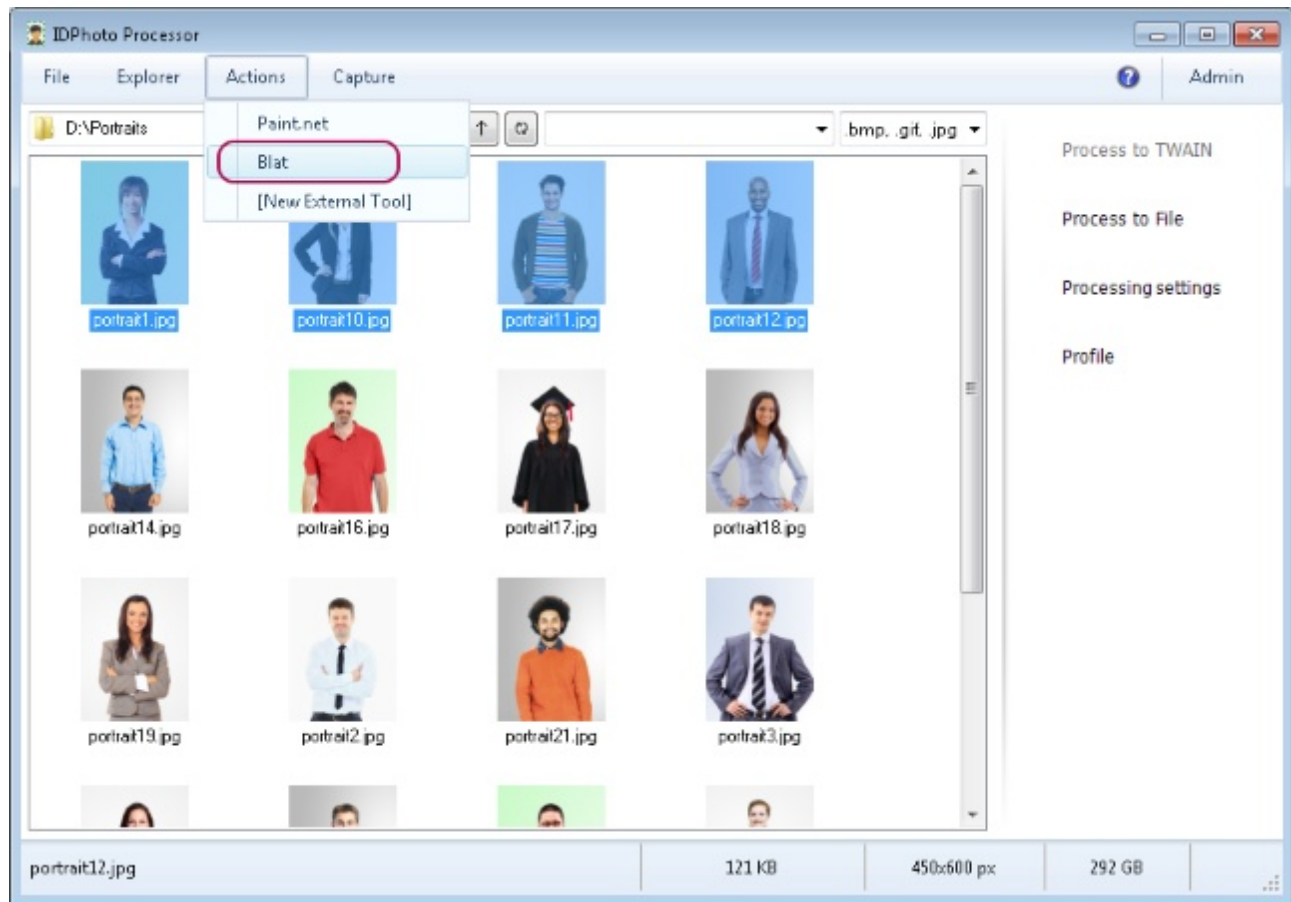
Manual Mode

Let's demonstrate the operation of **Blat** in the manual mode.

For this purpose, we select several images in the explorer, then open the **Actions** menu and run the email client.

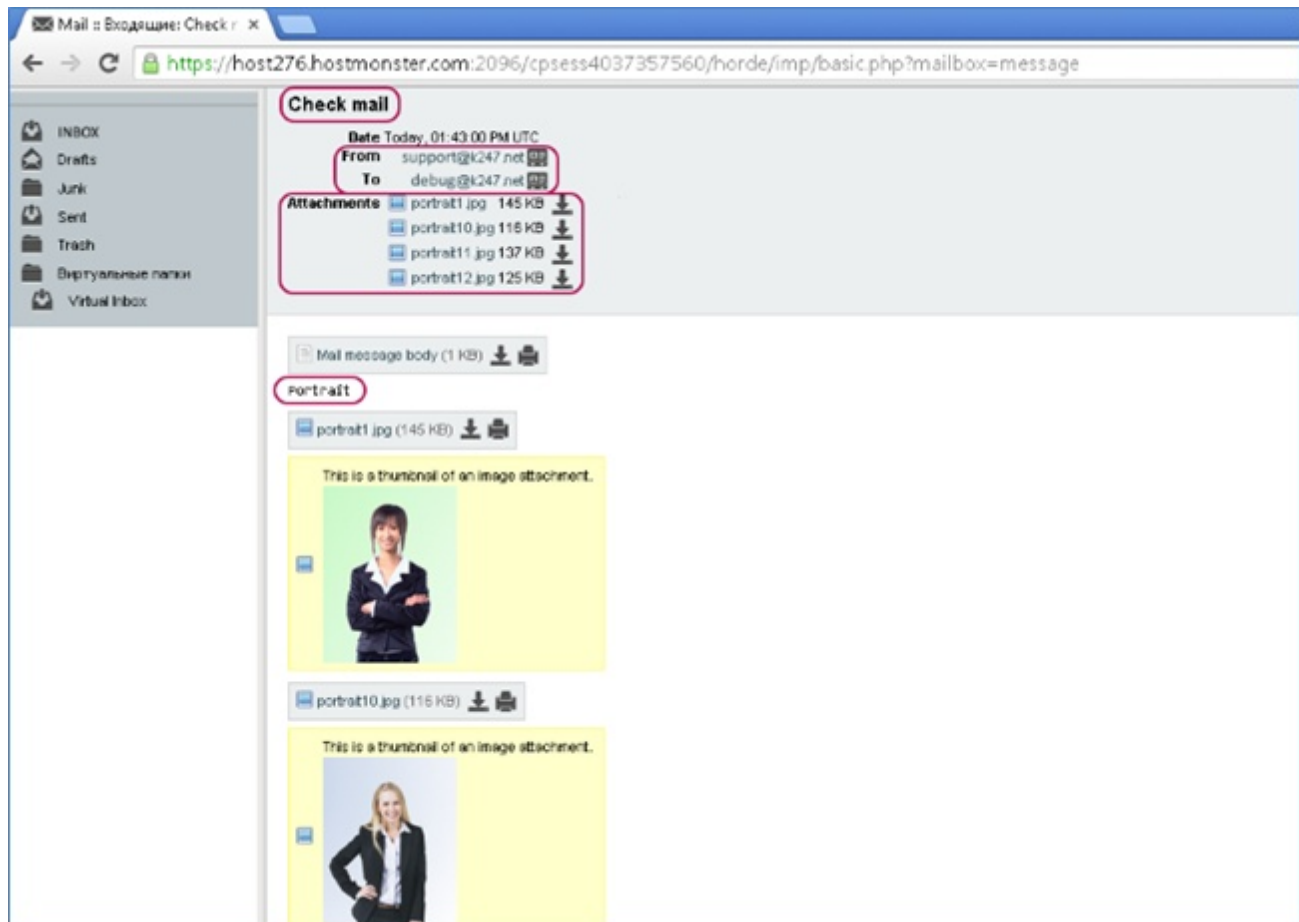


Please pay attention that the bat file contains information on the number of files that will be attached to the email. Make sure that the number of files indicated in the bat file corresponds to the number of images sent for processing. If the number does not correspond, change the bat file. More details on the contents of the bat file may be found at the [beginning of the example](#).



The result of the **Blat** operation is seen in the picture below - the email with the attached images reached the addressee successfully. The subject and contents of the email also correspond to those specified in the bat file.

It should be reminded that we have not run the processing process, and the images have been emailed without any changes.



Automatic Mode

Running **Blat** in the automatic mode allows sending images by email immediately after processing without any interim actions by the user.

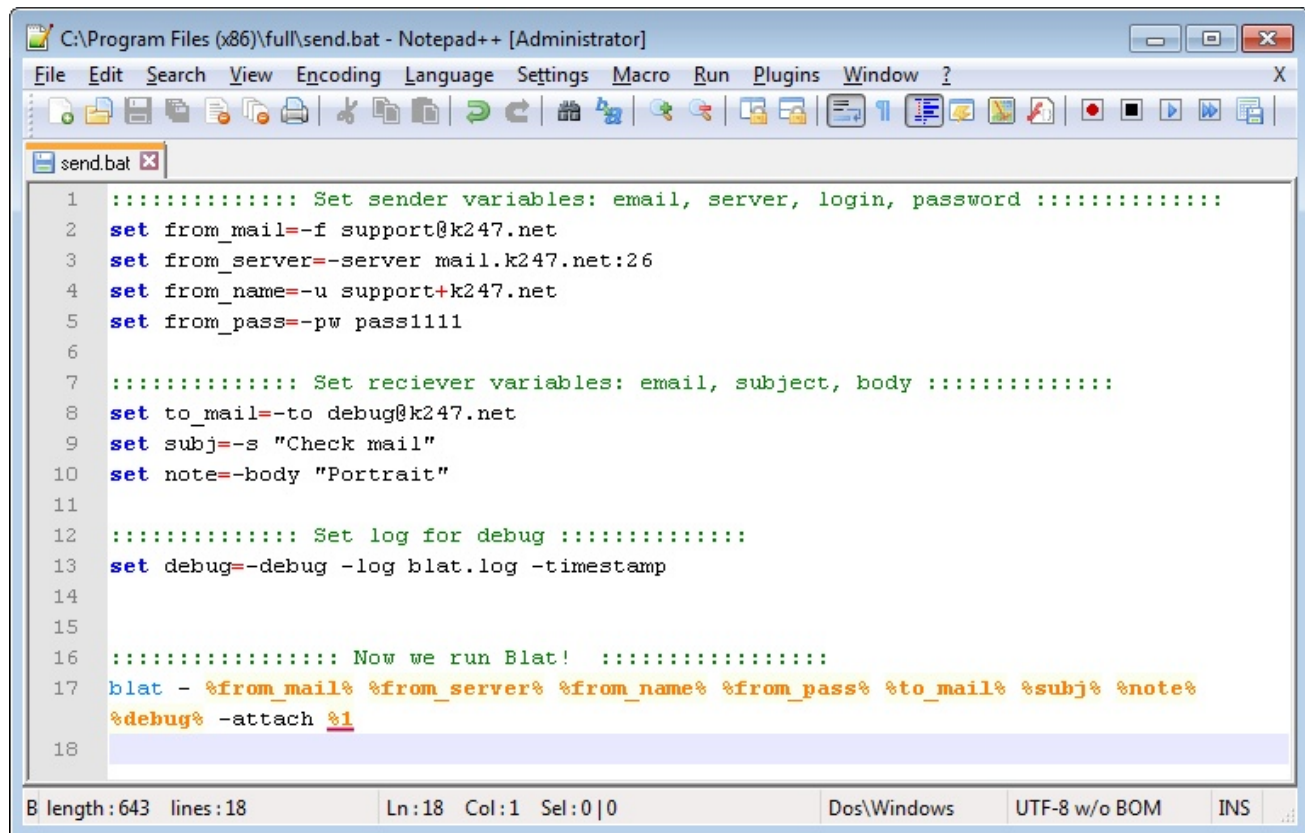


Please note that the external application is called up after processing every image in the automatic mode. Thus, each processed image will be sent in a separate email.

Let's demonstrate the operation of **Blat** in the automatic mode.

Since here we'll attach only one file to the email (unlike the example with the manual mode), let's change this parameter in the bat file.

More details on the contents of the bat file may be found at the [beginning of the example](#).



```

C:\Program Files (x86)\full\send.bat - Notepad++ [Administrator]
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
send.bat x
1 .....: Set sender variables: email, server, login, password .....:
2 set from_mail=-f support@k247.net
3 set from_server=-server mail.k247.net:26
4 set from_name=-u support+k247.net
5 set from_pass=-pw pass1111
6
7 .....: Set reciever variables: email, subject, body .....:
8 set to_mail=-to debug@k247.net
9 set subj=-s "Check mail"
10 set note=-body "Portrait"
11
12 .....: Set log for debug .....:
13 set debug=-debug -log blat.log -timestamp
14
15
16 .....: Now we run Blat! .....:
17 blat - %from mail% %from_server% %from_name% %from_pass% %to_mail% %subj% %note%
   %debug% -attach %1
18
B length: 643 lines: 18 Ln:18 Col:1 Sel:0|0 Dos\Windows UTF-8 w/o BOM INS

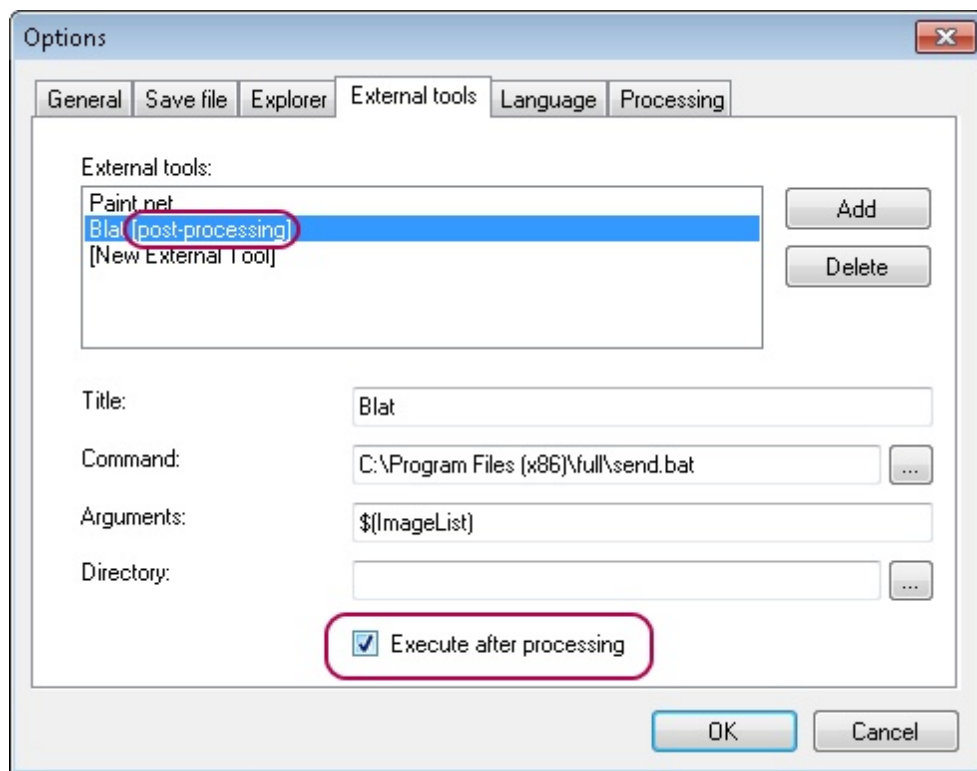
```

Now we return to **IDPhoto Processor** and set the **Execute after processing** setting for **Blat**.

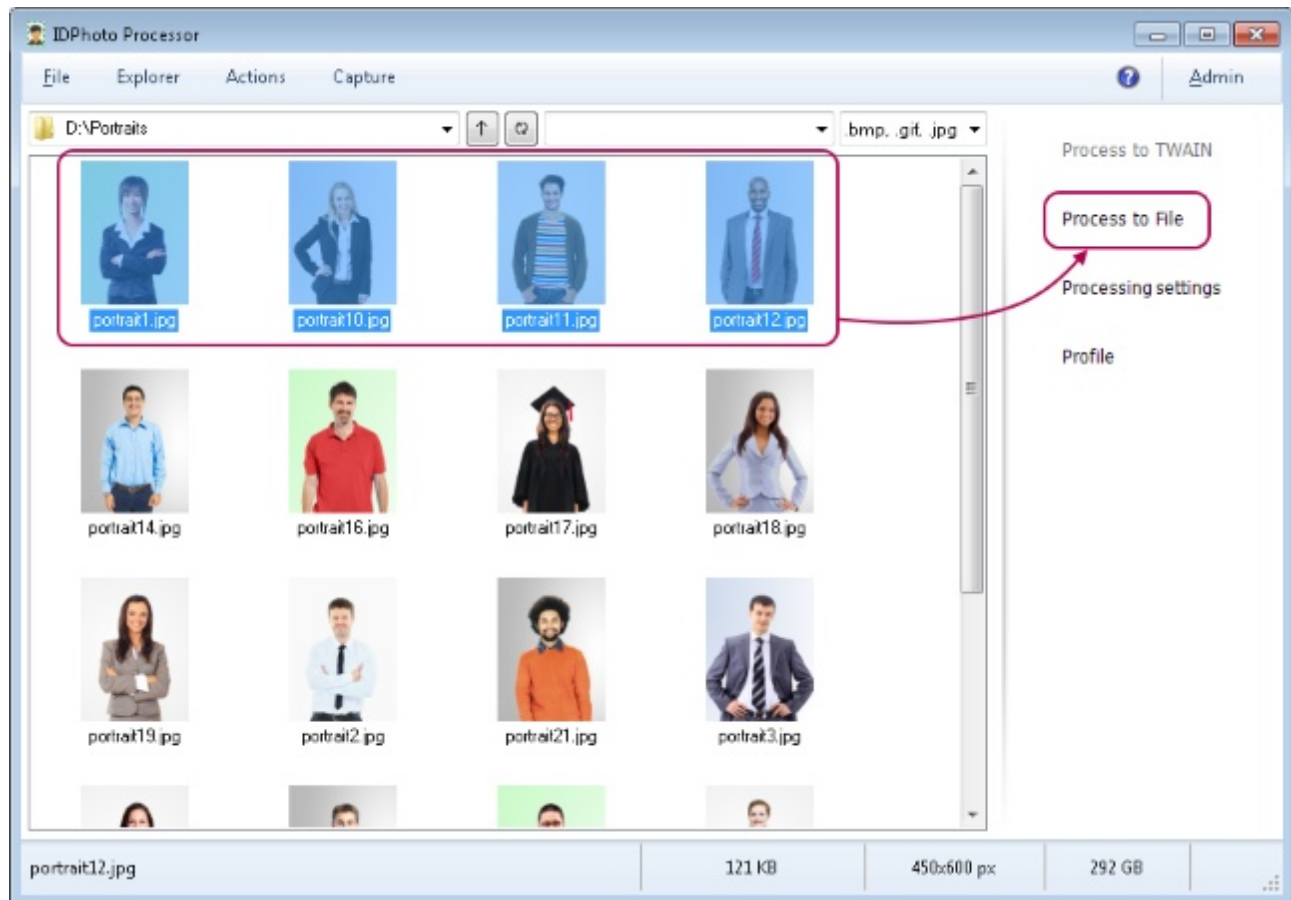
The **[post-processing]** parameter has appeared next to **Blat** in the **External tools** list. It informs us that the automatic running after processing is enabled for the application.



Execute after processing setting can be set only for one application at a time. If you assign **Execute after processing** first for one application and then for another one, then at the moment of setting the parameter for the second application, it will be automatically disabled for the first one.



Let's select several images and run the processing process, for example, through **Process to File**.



Further application behaviour depends on the processing process settings. Please note that they are located in the **File** menu > **Options** > **Processing** tab.

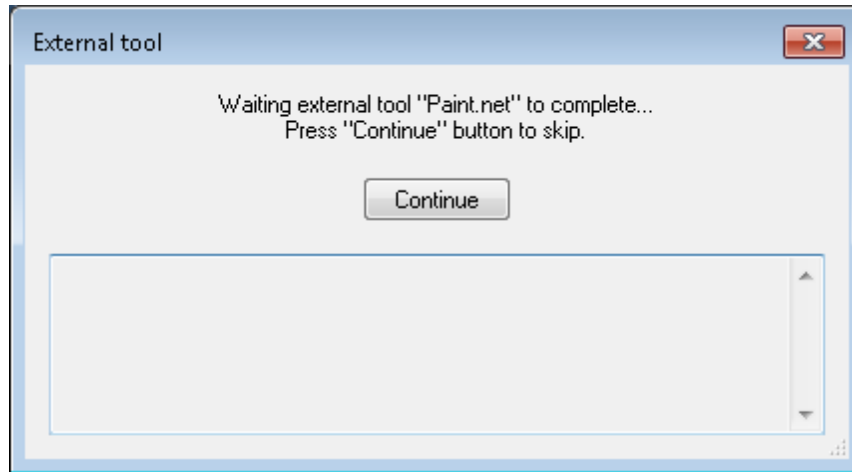
Thus, if the **Show processing window** setting is set to **Always**, the setting dialogue will be called up for each photo being processed.

With the **Show if necessary** value set, the setting dialogue will be called up only for photos with processing requiring a user's participation.

If the **Never** value is chosen, the dialogue will not be called up.

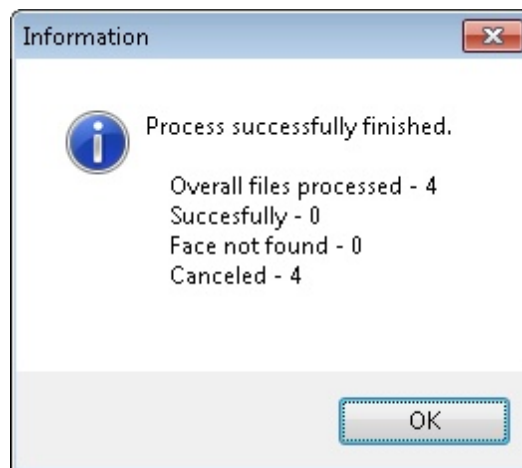
More details may be found in the [General Settings](#) section.

When executing the batch file, **IDPhoto Processor** will display the waiting window for the completion of the external application operation.

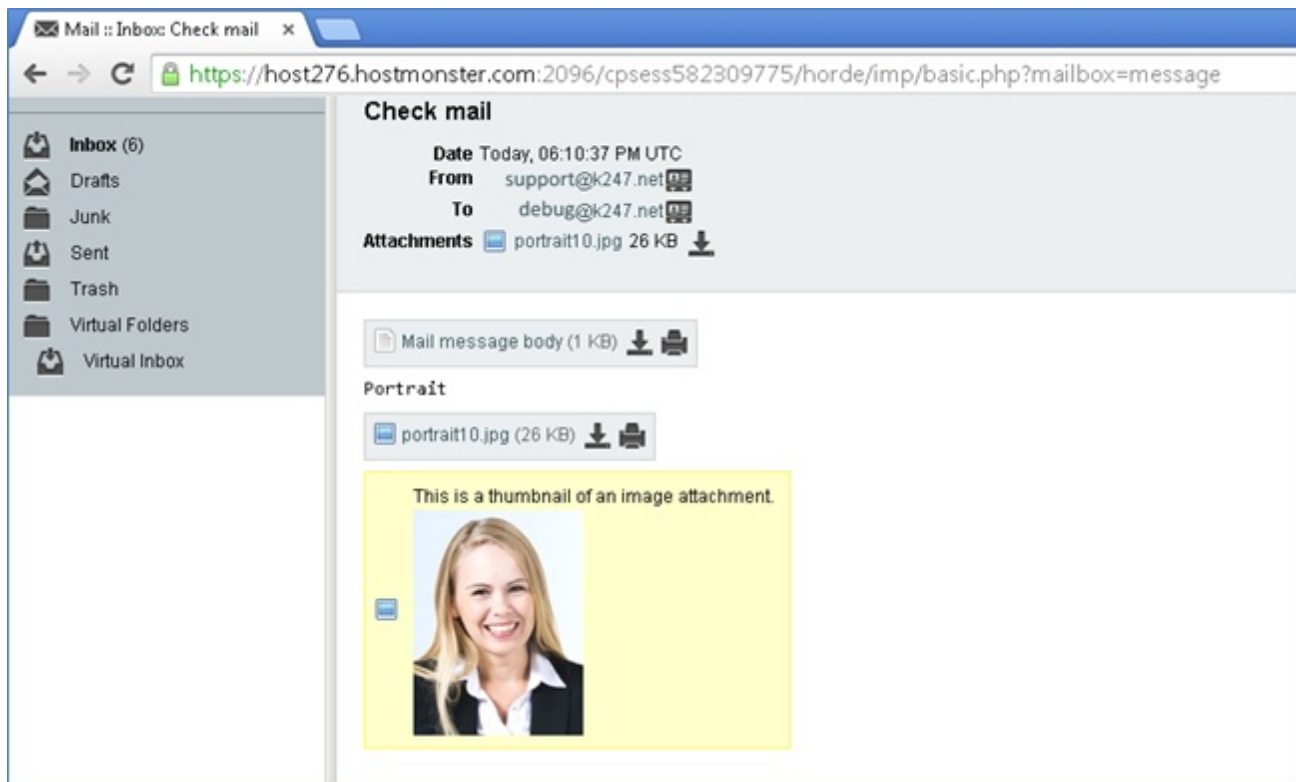
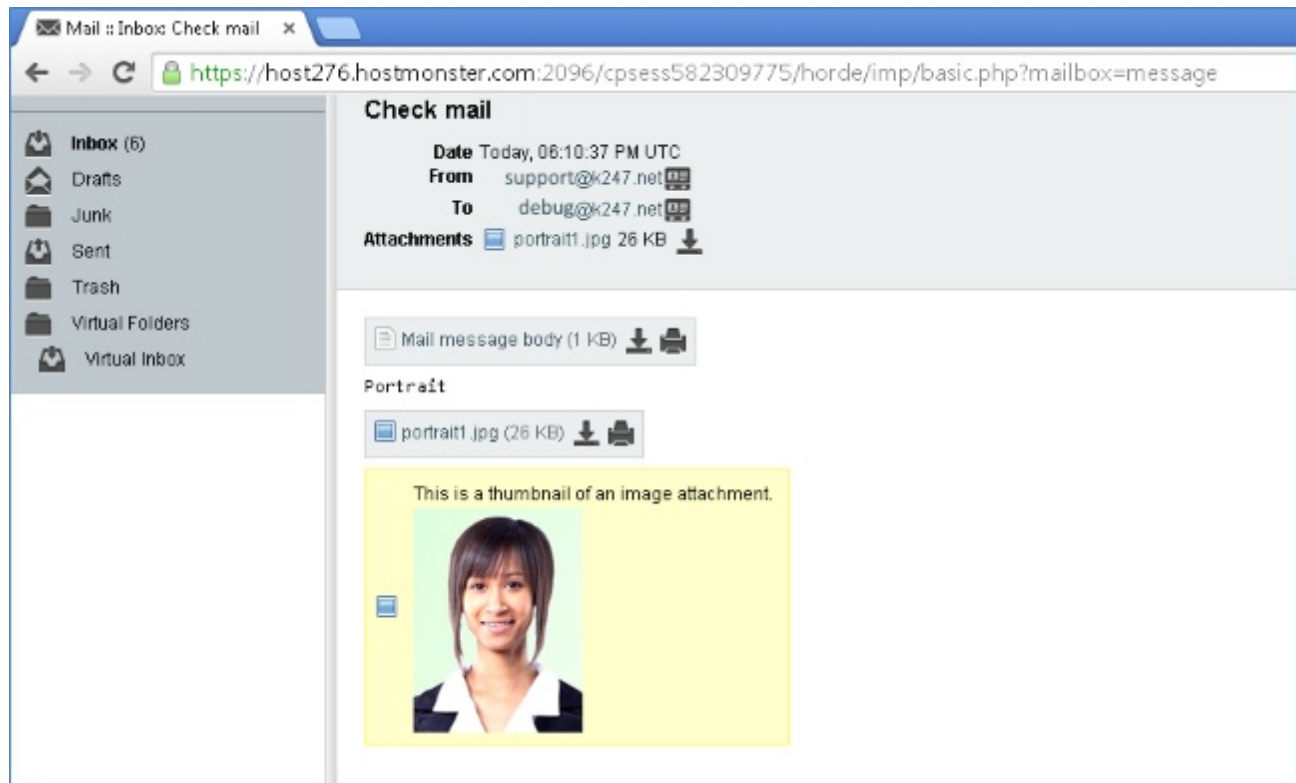


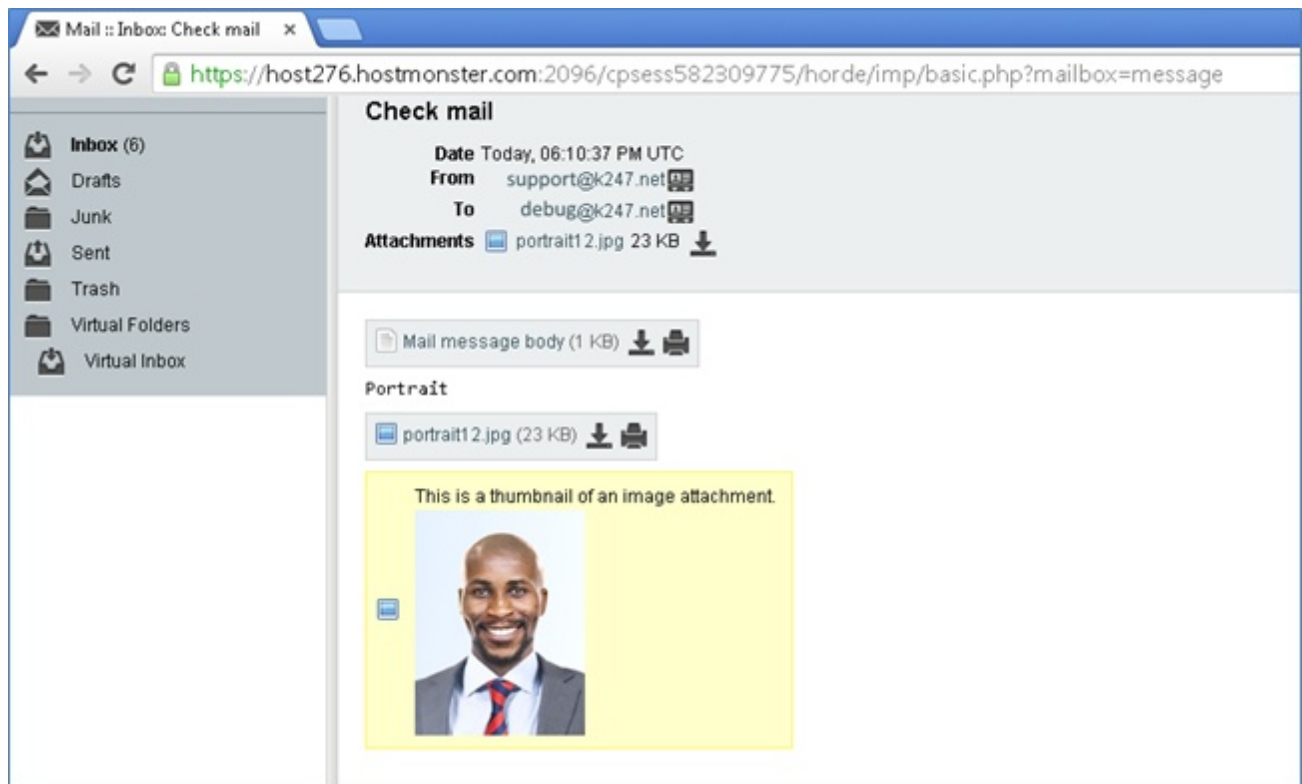
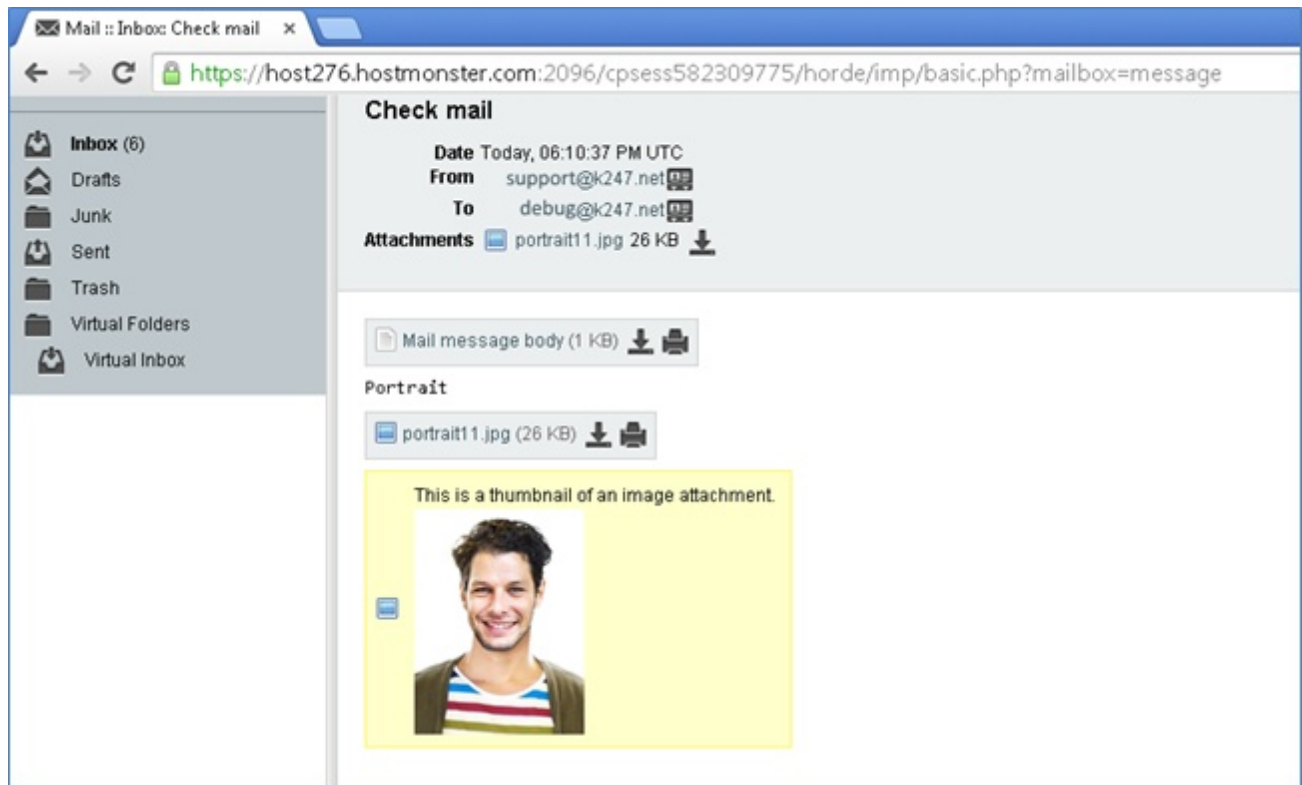
The wait window will close automatically after the operation of **Blat** has been completed.

As we have run processing for several images, **IDPhoto Processor** will display statistical report upon the process completion. Please note that after processing of a single image, the report will not be displayed. The report informs on the total number of images processed, on the number of those processed successfully, of those on which no face has been detected, and on those for which the processing has been cancelled.



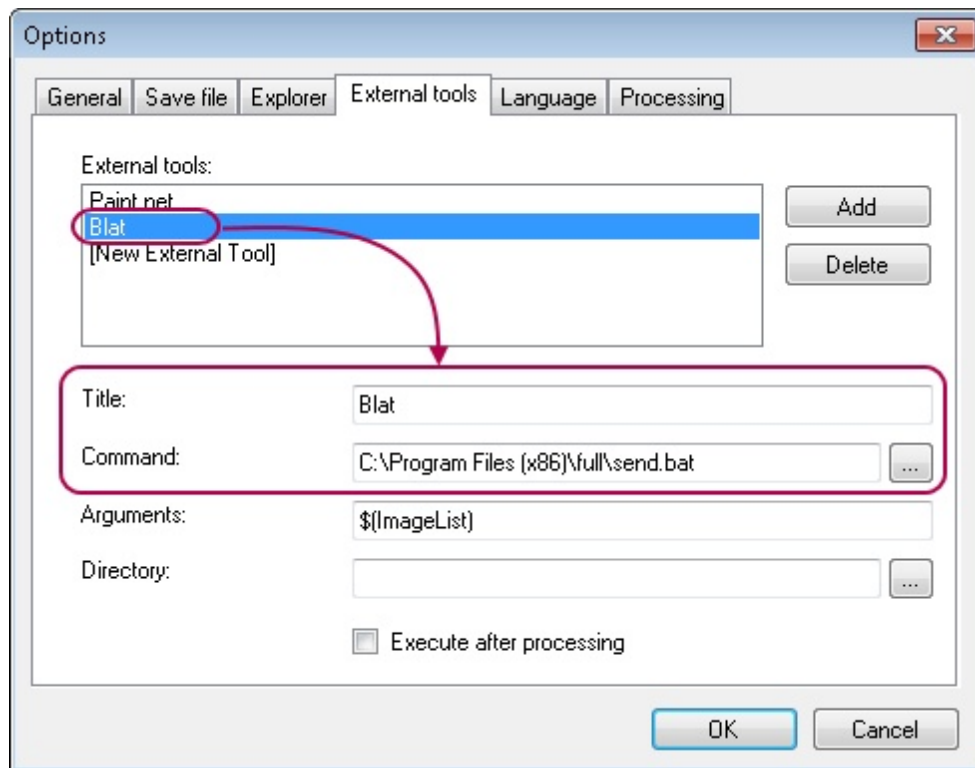
Let's check the email after the **IDPhoto Processor** and **Blat** operations have been completed. As planned, 4 emails have been received to the email address indicated in the bat file, each containing the processed image.



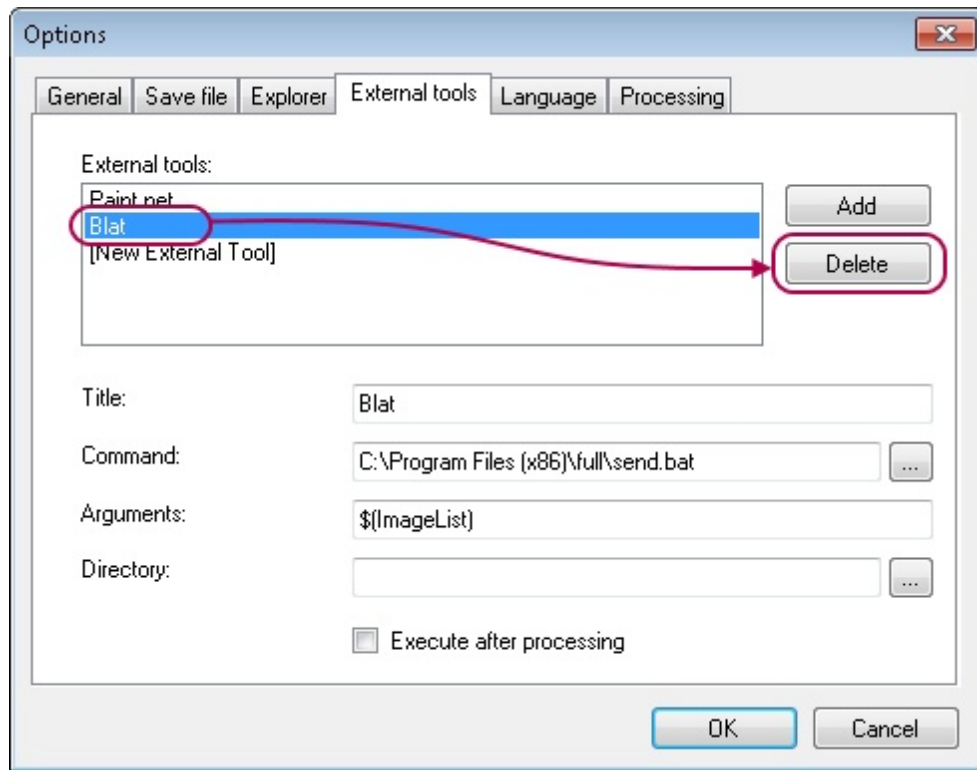


Editing and Deleting

To change the parameters of **Blat** connection, select it in the **External tools** list, change parameter values and close the dialogue with **OK**.



To delete the application, select it from the **External tools** list, press **Delete** and close the dialogue with **OK**.



Chapter 6. Profiles

Profiles allow saving a set of application settings in order to use them again. Suppose we need to regularly process photos for two different tasks. E.g., to use them on badges and in questionnaires. Framing setting, image sizes, folders for saving the results and other settings for these tasks will significantly differ. So, in order to avoid changing multiple settings each time, you can create corresponding profiles that contain a set of settings for a separate task in each of them. Then, application settings will be changed by simply switching over the profile.

The tools for working with profiles are located in the **Admin** main menu and in the **Profile** side menu.

The following operations can be carried out in the **Admin** menu:

- Create profile
- Update profile in correspondence with the settings of the current application session
- Run **Profile Manager** which allows the following operations to be carried out:
 - Take a look at the existing profiles list
 - Take a look at the list of settings for each profile
 - Apply the profile to the current application session
 - Rename the profile
 - Delete the profile

The following operations can be carried out in the **Profile** side menu:

- Take a look at what profile is applied to the current application session
- Change the selected profile
- Reset the profile applied to the current session
- Take a look at whether the application settings have been changed after applying the profile.

You can see an asterisk next to the profile name in the **Profile** side menu if the settings have been modified.

The contents of the chapter are as follows:

[Profile Creation and Setting](#)

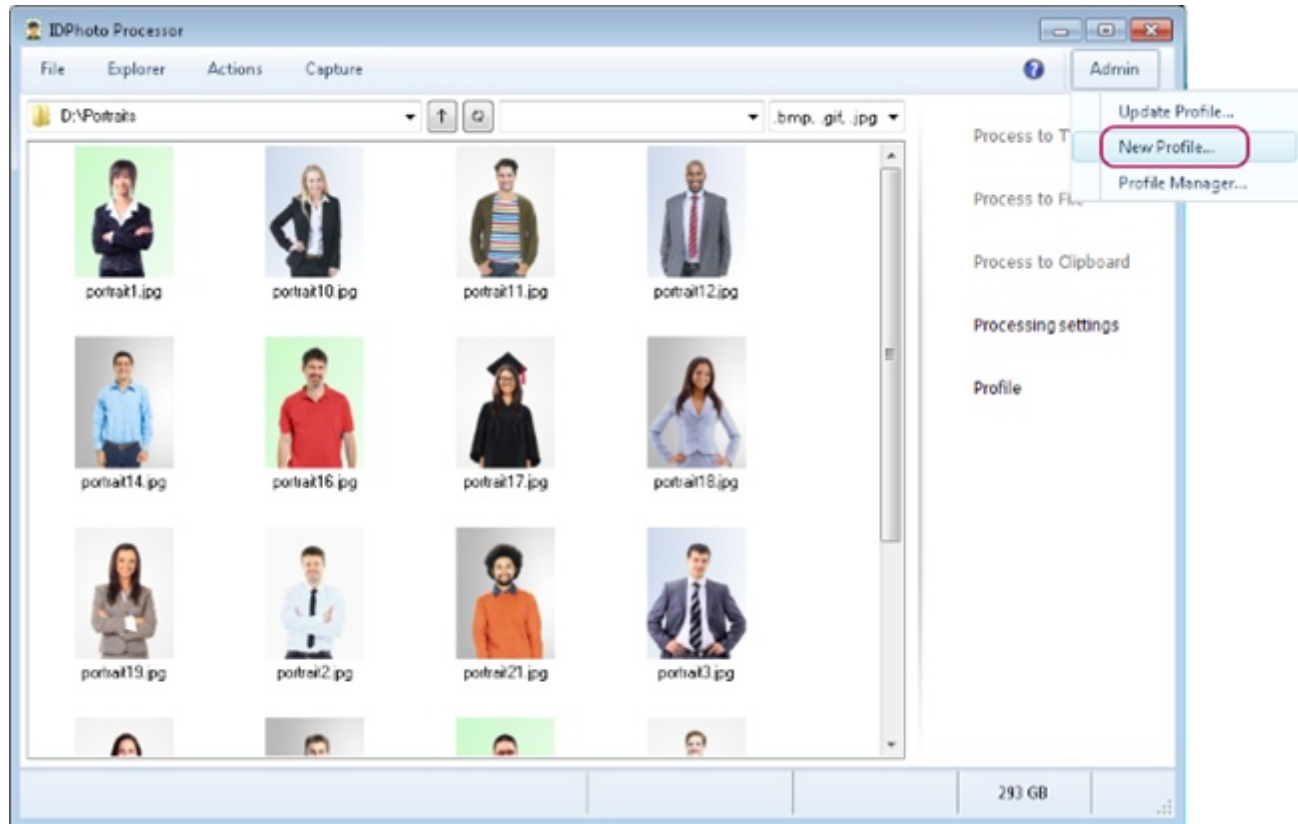
[Profile Manager](#)

[Profile Updating](#)

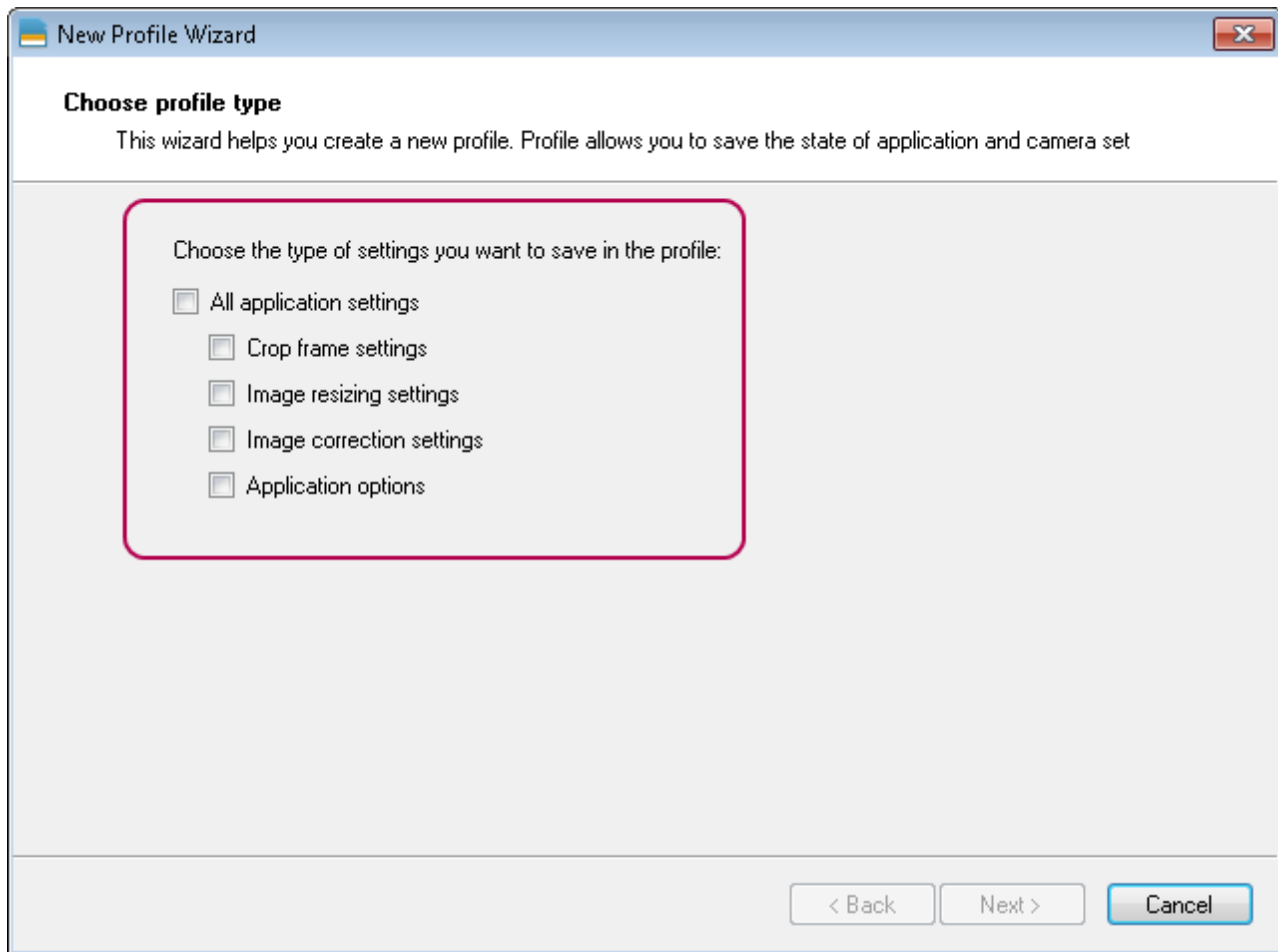
[Working with Profiles from the Side Menu](#)

Profile Creation and Setting

To create a profile, select the **New Profile** item in the **Admin** main menu.



The profile creation wizard will be called up. Check the required settings in the wizard window. They will be described with more details below in this chapter.



You can check what settings are included in a menu item using the profile manager. The profile manager is located in the **Admin** main menu > **Profile Manager**. Further details on the profile manager may be found in the [Profile Manager](#) chapter.

So, let's take a look at each set of settings separately.

All application settings save all application settings contained in all located below sets of settings.

Crop frame settings save settings of image construction. Settings of image construction include settings of the size, shape and position of the face frame and of the crop frame. Frame settings can be found in the **ID Image Processing** dialogue of the toolbar under the window **Source Image** and of the **Frame** tab.



*Please remember that the dialogue may be called up from the **File** menu > **Processing settings** or from the side menu by the **Processing settings** button.*

You can find out more on the crop frame settings in the [ID Image Processing dialogue](#) and [Frame Setting](#) sections.

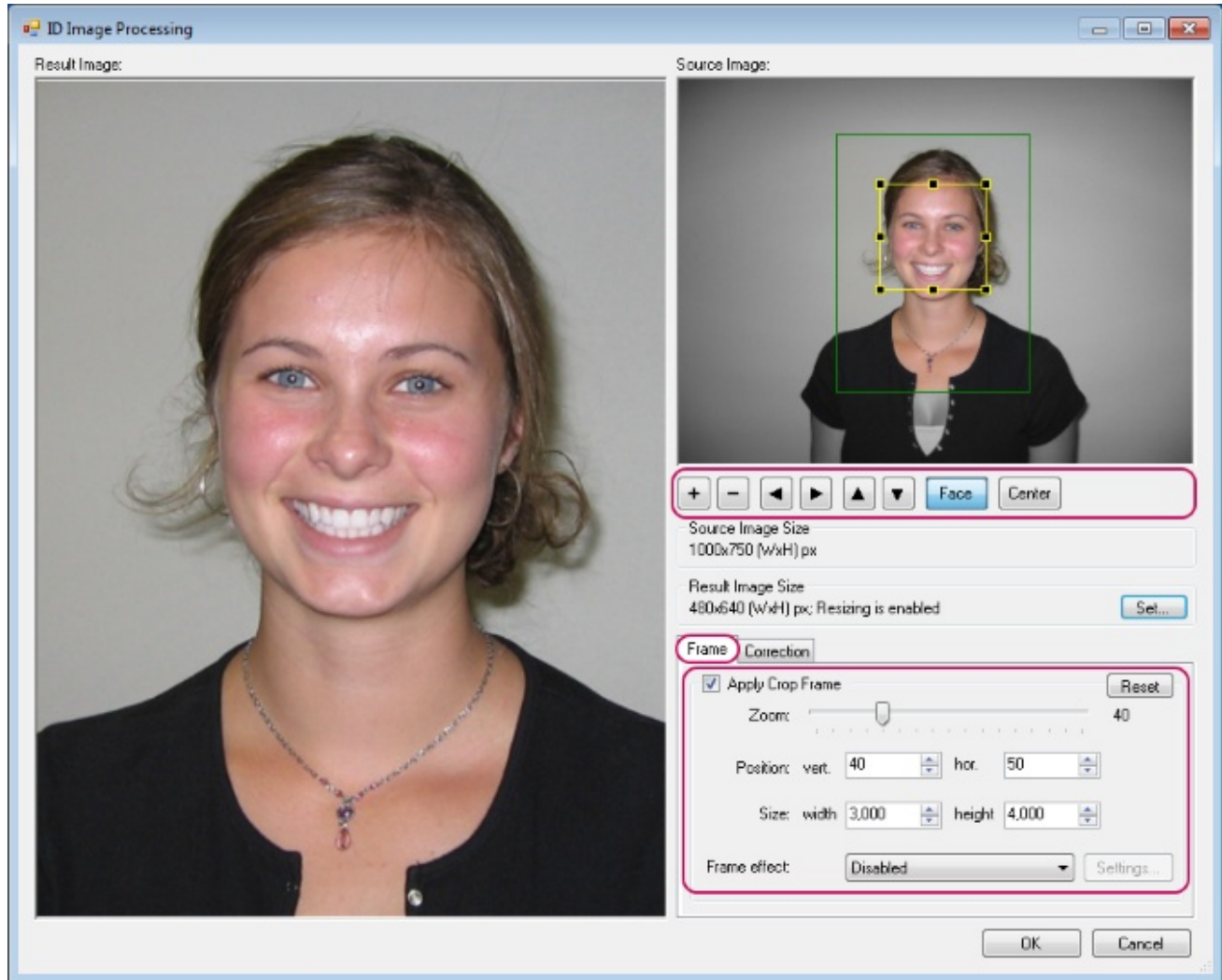


Image resizing settings save settings of the resulting image size, i.e. the image after processing. The settings of the resulting image size are located in the **Result Image Size** section of the **ID Image Processing** window. More details on image compression parameters after processing may be found in the [Processed Image Size](#) section.

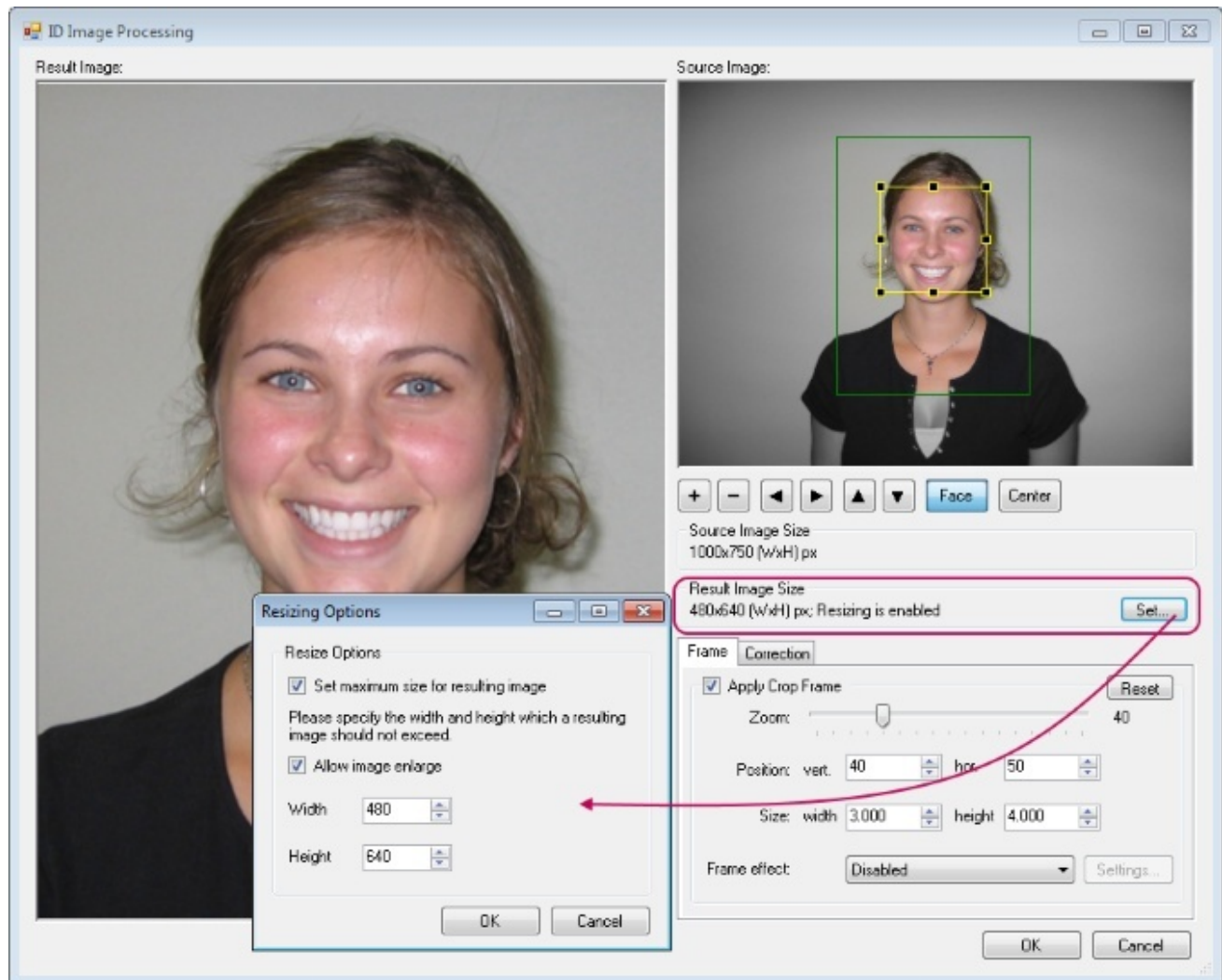
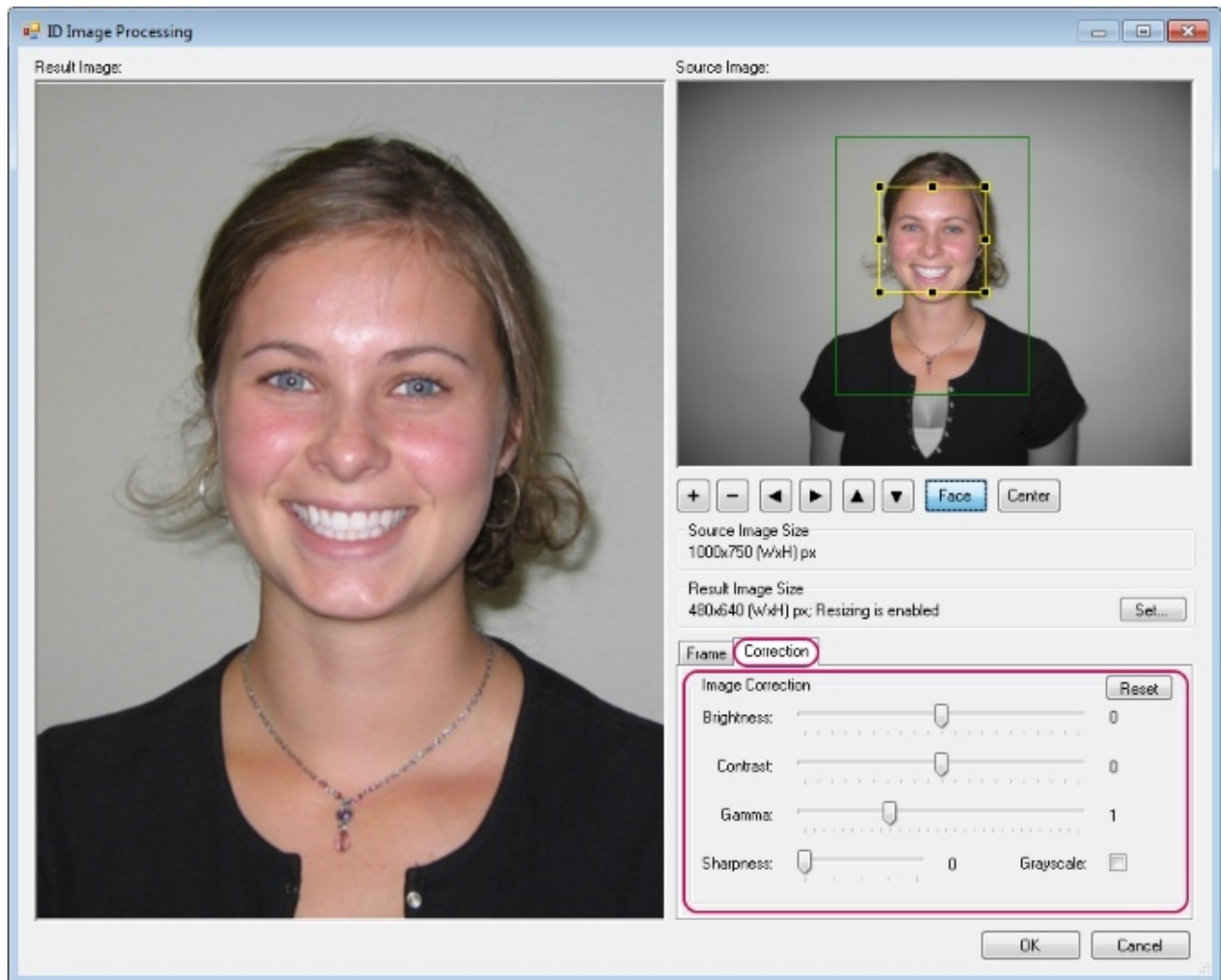


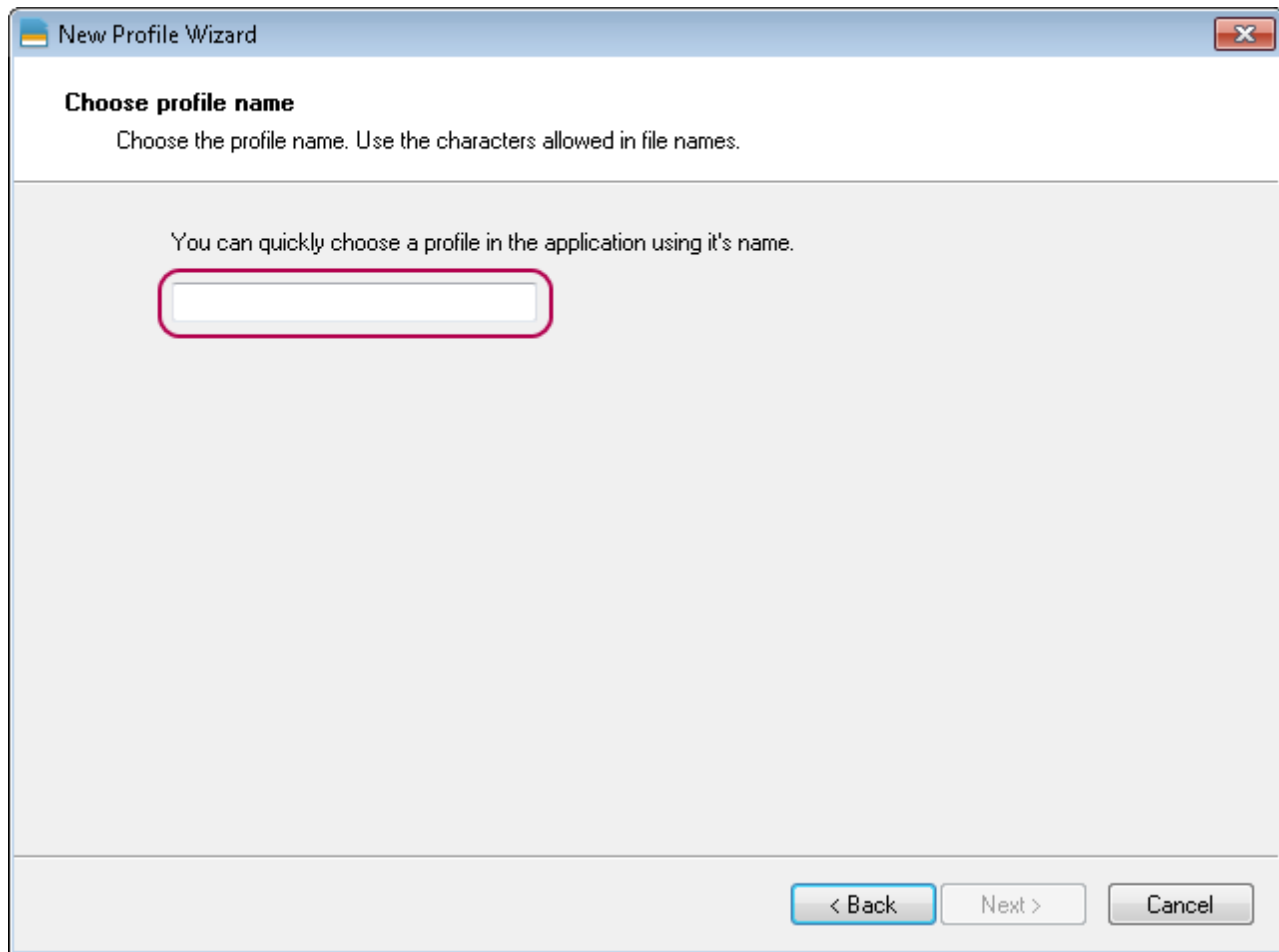
Image correction settings save image correction settings. Image correction settings are located in the **Correction** tab of the **ID Image Processing** window. More details on image correction settings may be found in the [Image Correction](#) section.



Application options save virtually all application settings excluding image processing settings. This set of settings includes application window size and position, updates check, main window interface status, processing results saving settings, parameters of additional connected applications, etc. The whole list of settings for this set as well as the lists for other sets can be viewed in the profile manager.

Let's complete the process of profile creation.

Press **Next** after selecting the settings to be saved in the profile. Enter the title of the future profile in the opened window.



Then press **Next** again. It's done! The profile has been created.

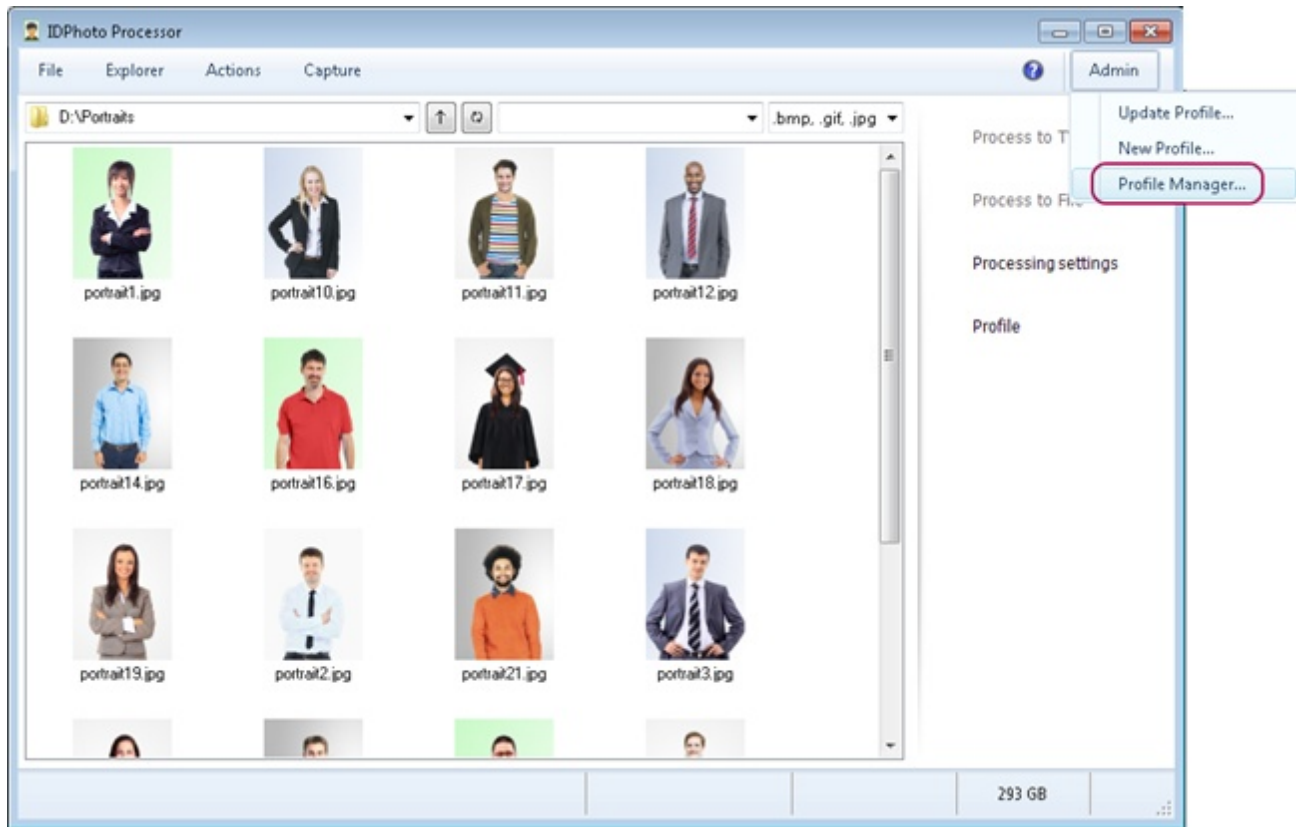
Enter the profile manager to see the created profile.

Profile Manager

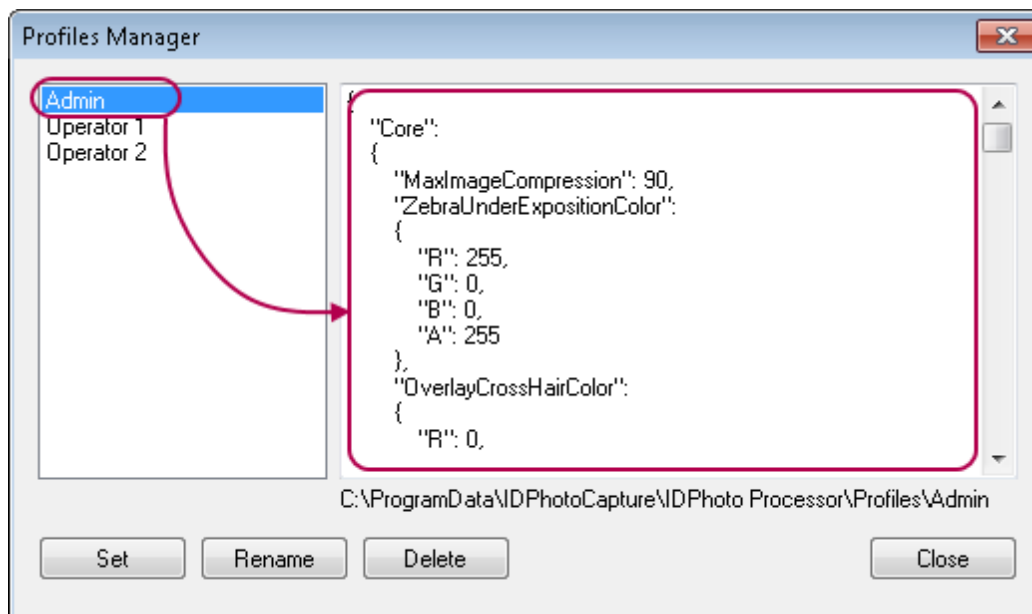
Profile manager allows carrying out the following operations:

- Take a look at the existing profiles list
- Take a look at the list of settings for each profile
- Apply the profile to the current application session
- Rename the profile
- Delete the profile

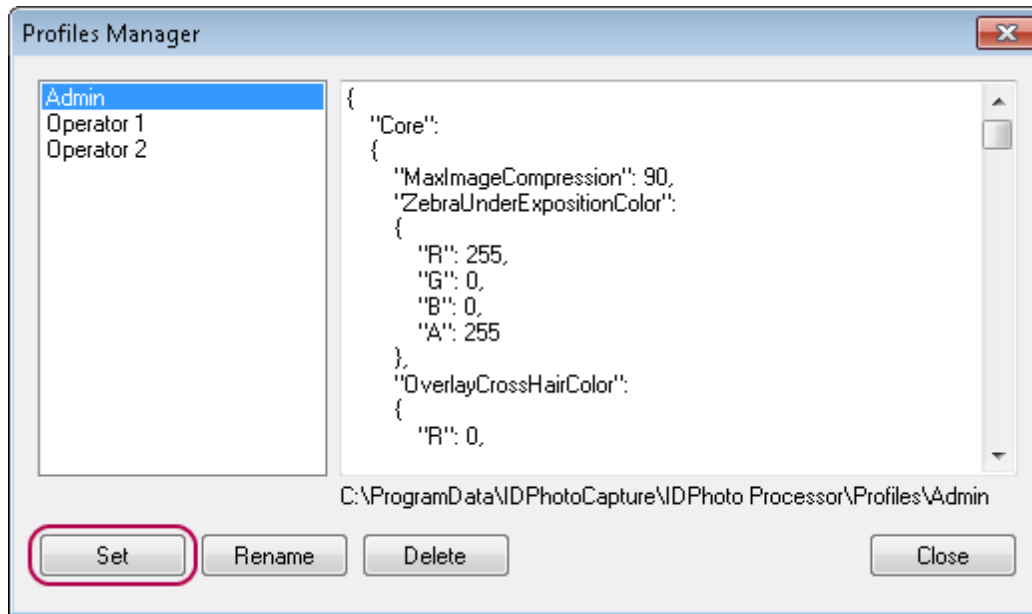
To run the profile manager, enter the **Admin** menu > **Profile Manager**.



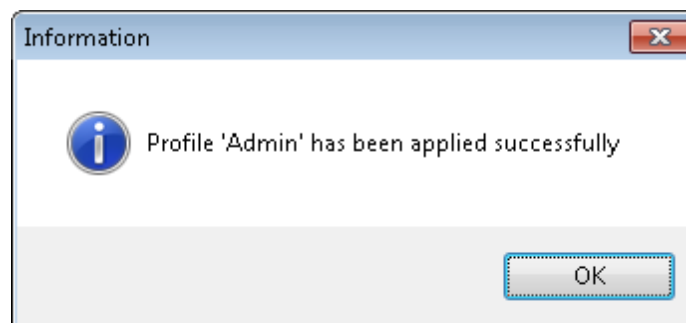
To view the contents of the set of settings for the created profile, select the profile from the list on the left. Then the textual representation of all settings saved for that profile will appear on the right.



To apply the profile settings for the current application session, press the **Set** button in the manager window.



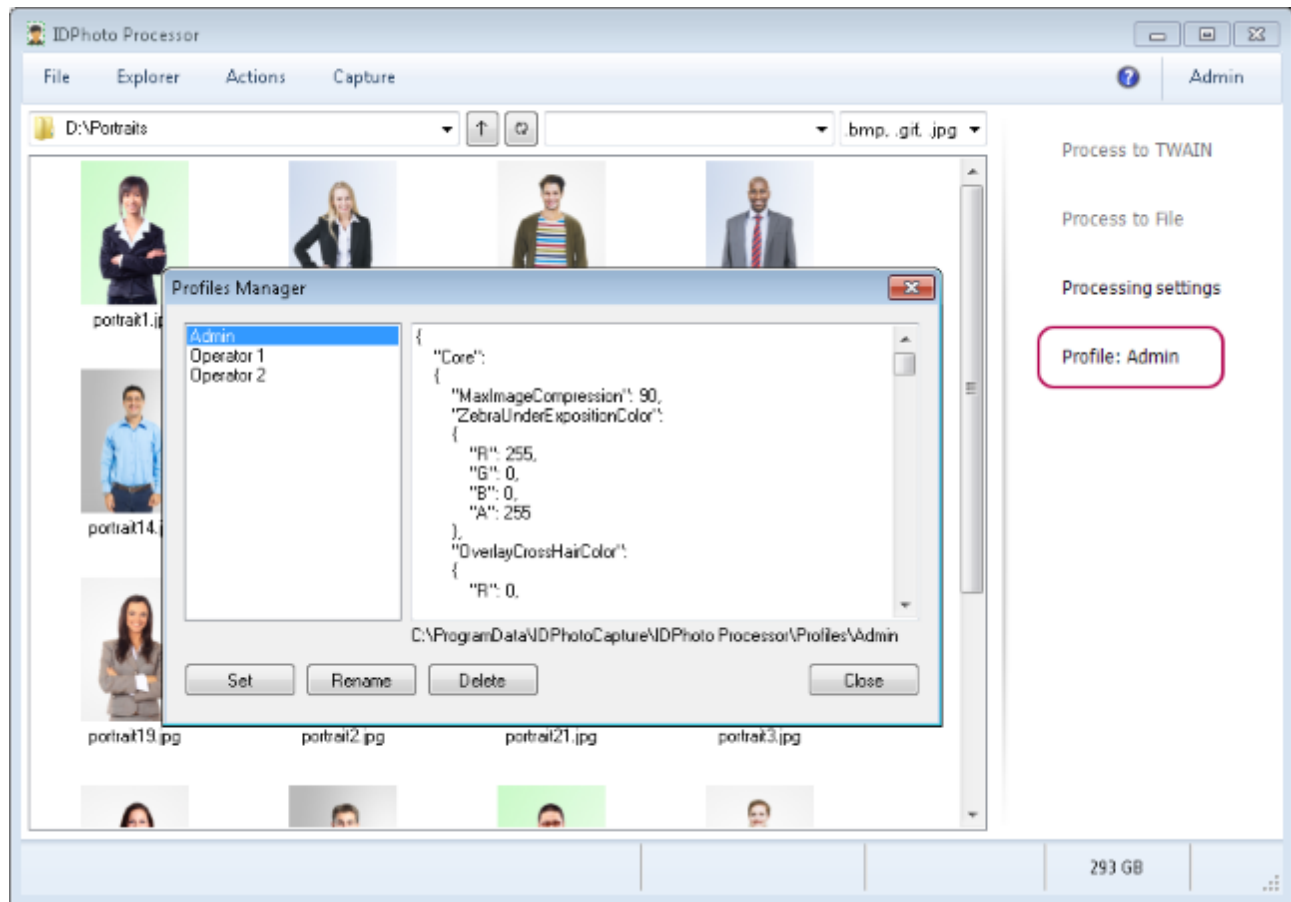
After that, the message on the successful application of the profile will appear.



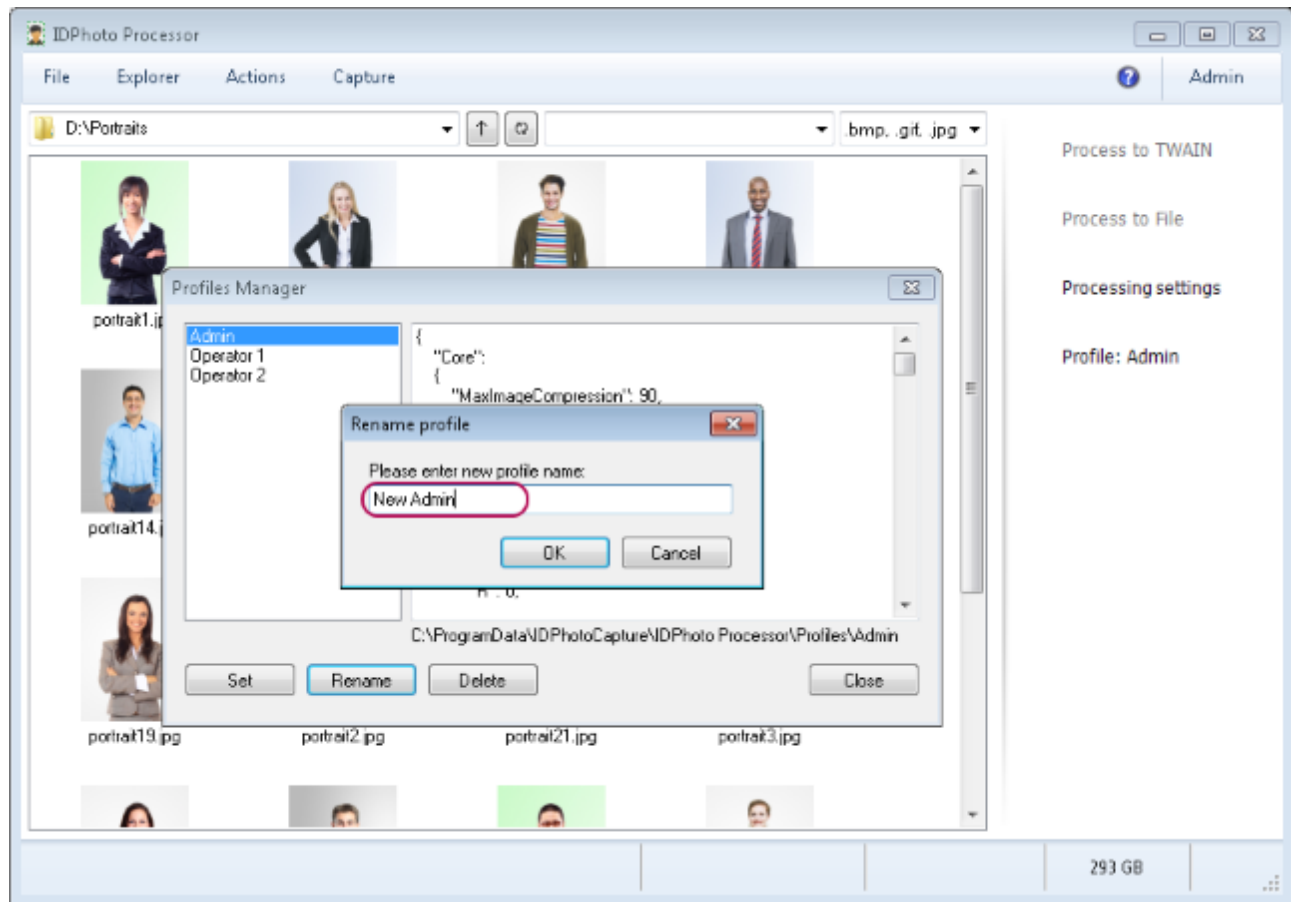
The title of the profile established for the current application session will be displayed next to the **Profile** button in the side menu.



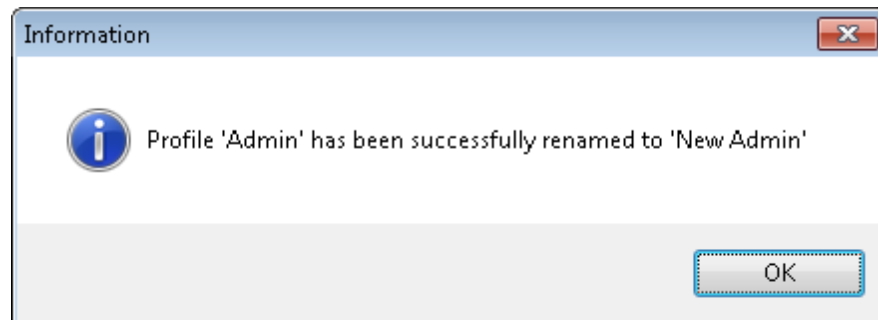
*The **Profile** button may be hidden using the **Show Profile button** interface setting. The setting is located in the **File** main menu > **Options** > **General** tab.*



To change the profile title, select the required profile in the list on the left and press **Rename**. Enter a new profile name in the appeared window and press **OK**.

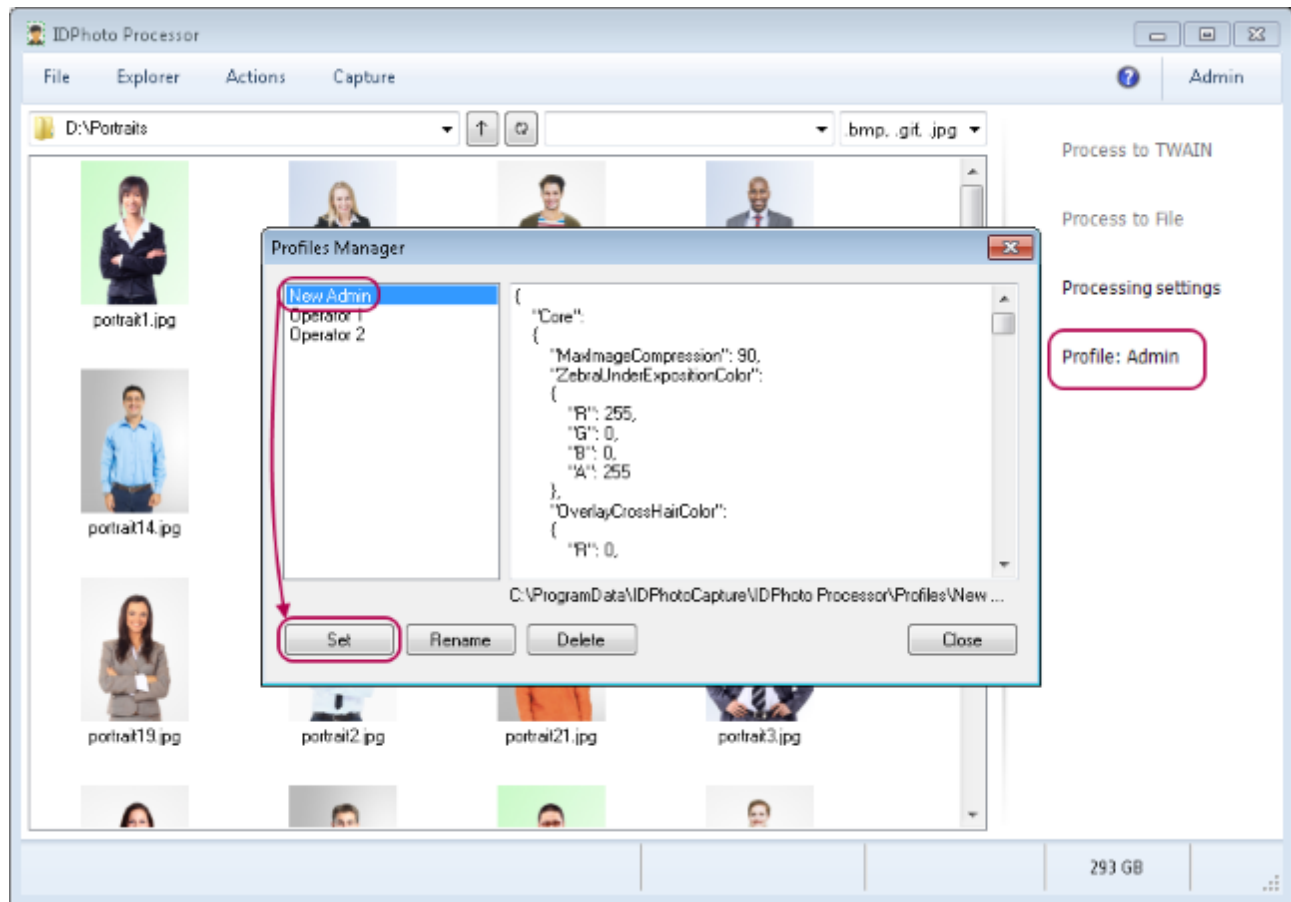


After that, the message on the successful renaming of the profile will appear.

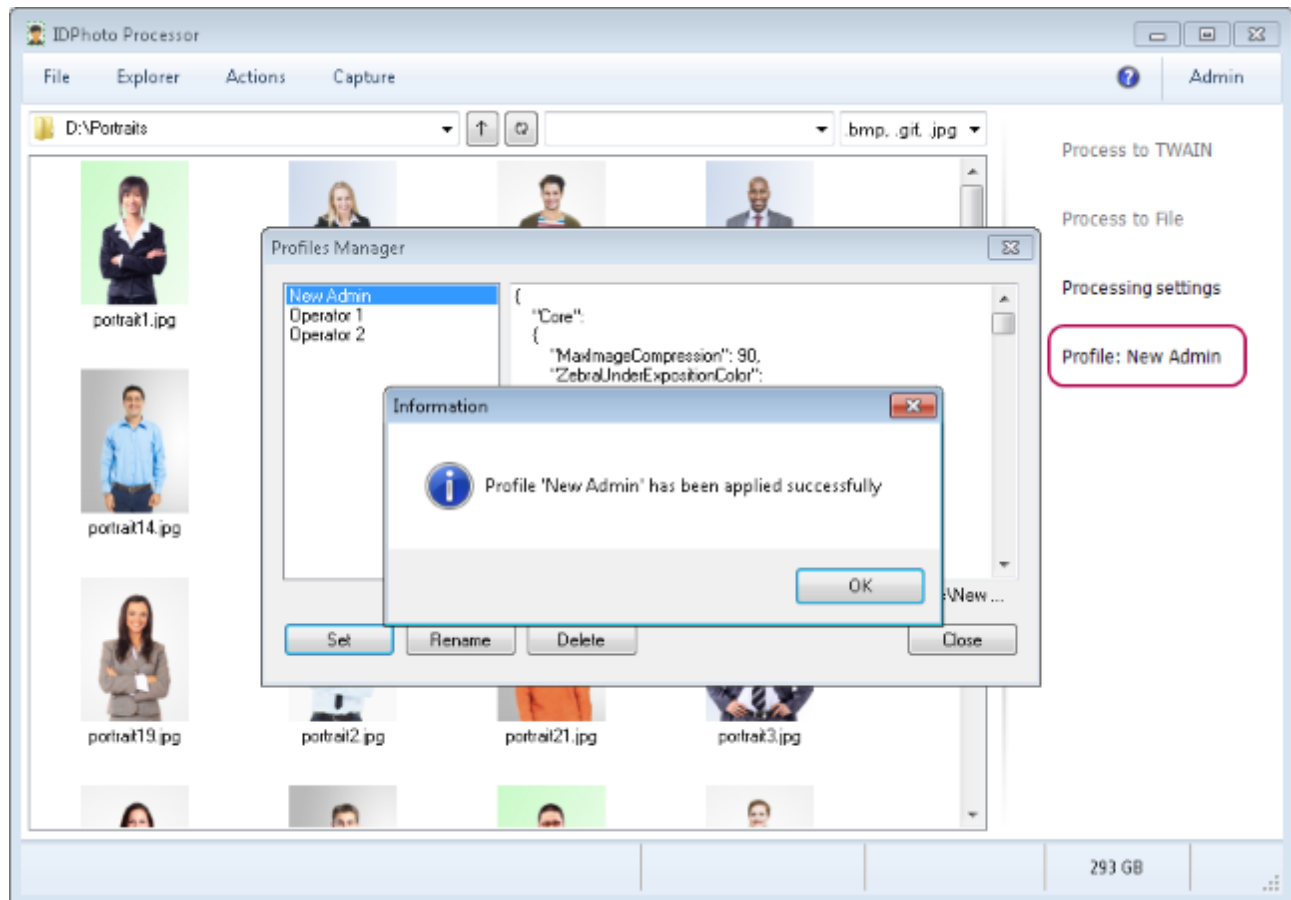


The title will also change in the profile manager list.

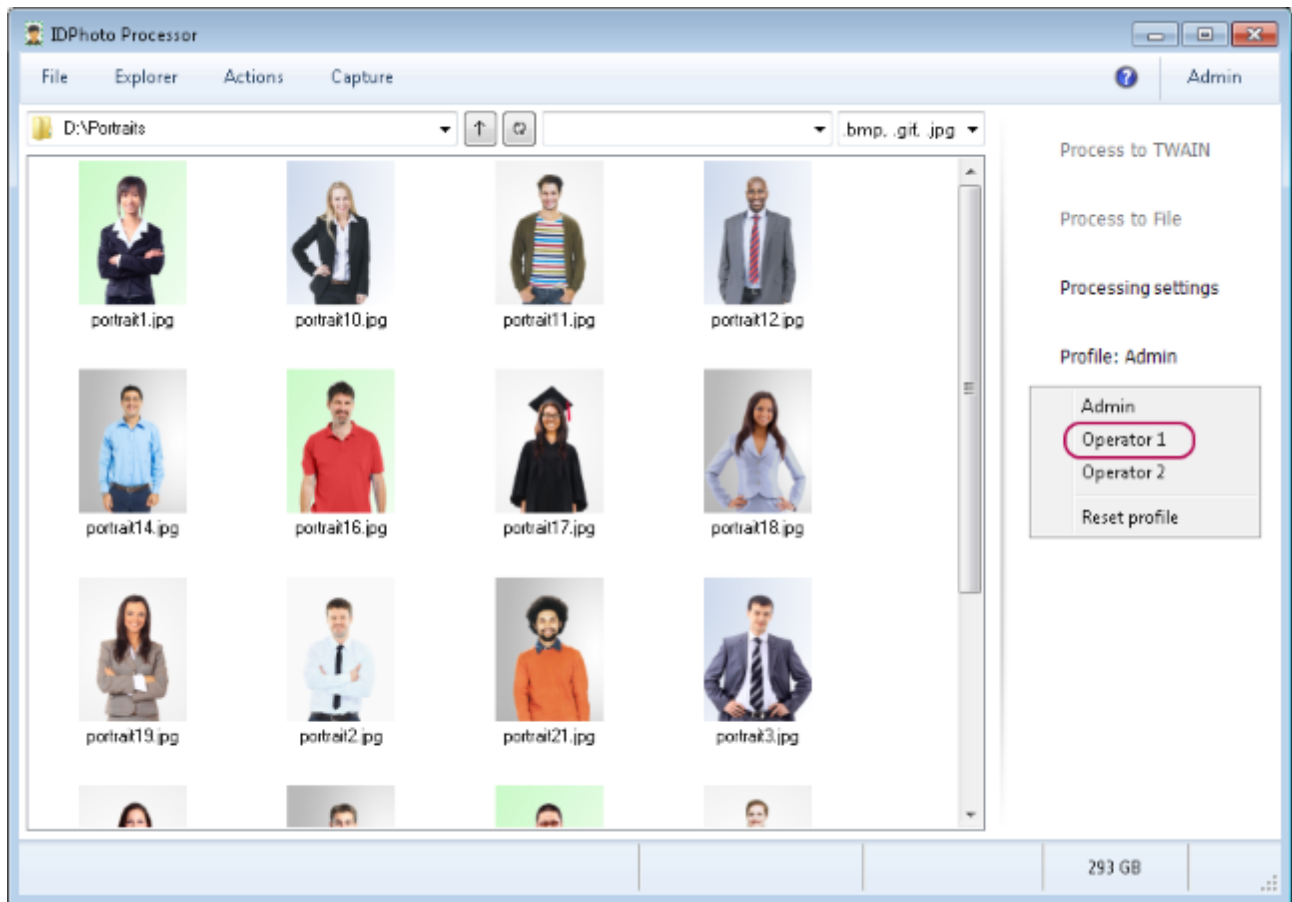
There are two ways of applying the profile for the current application session, through the profile manager and through the side menu of the main window. The first way: select the required profile from the list in the profile manager window and press **Set**.



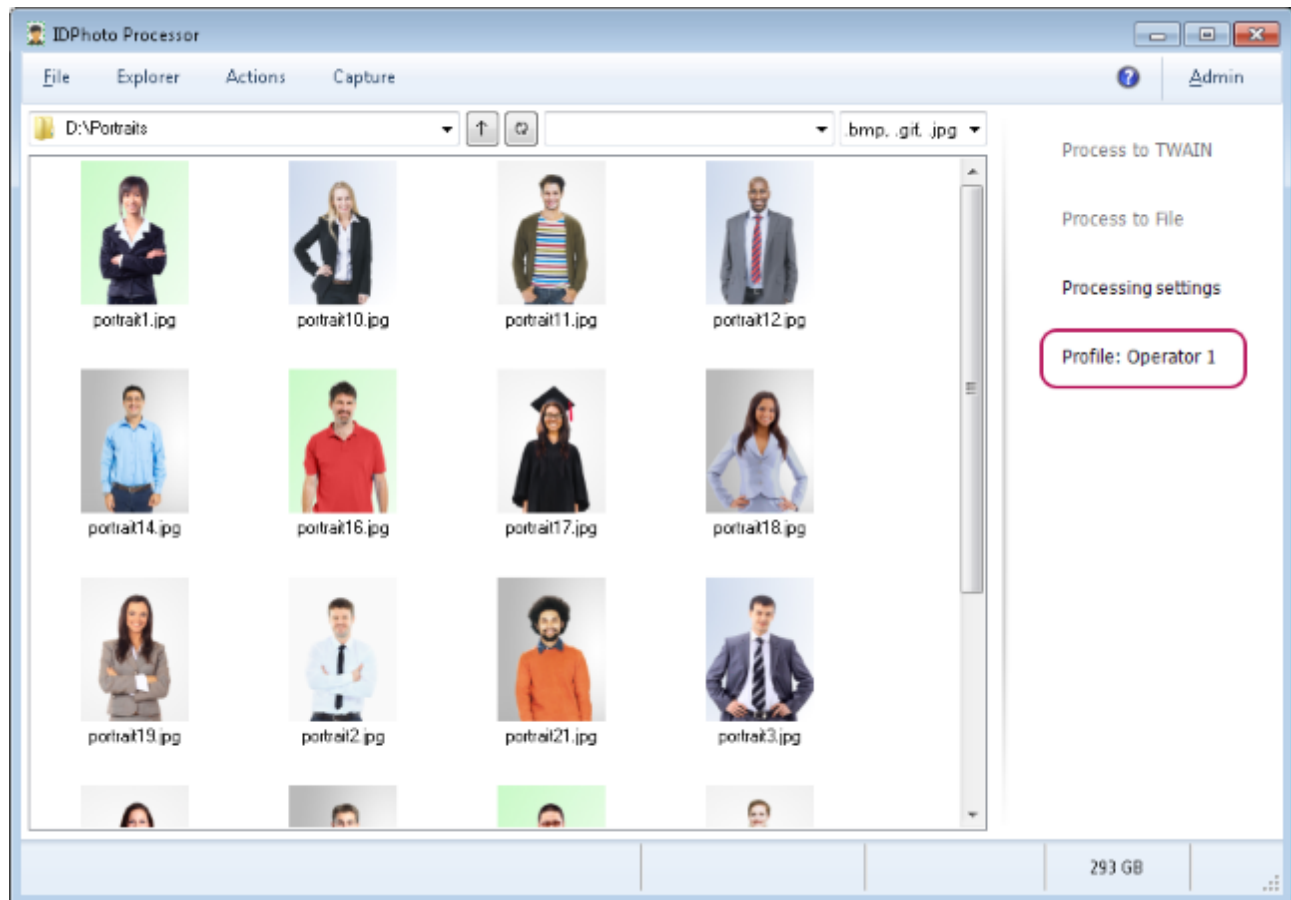
Then the message on successful application of the profile will appear and the profile name will be updated in the side menu.



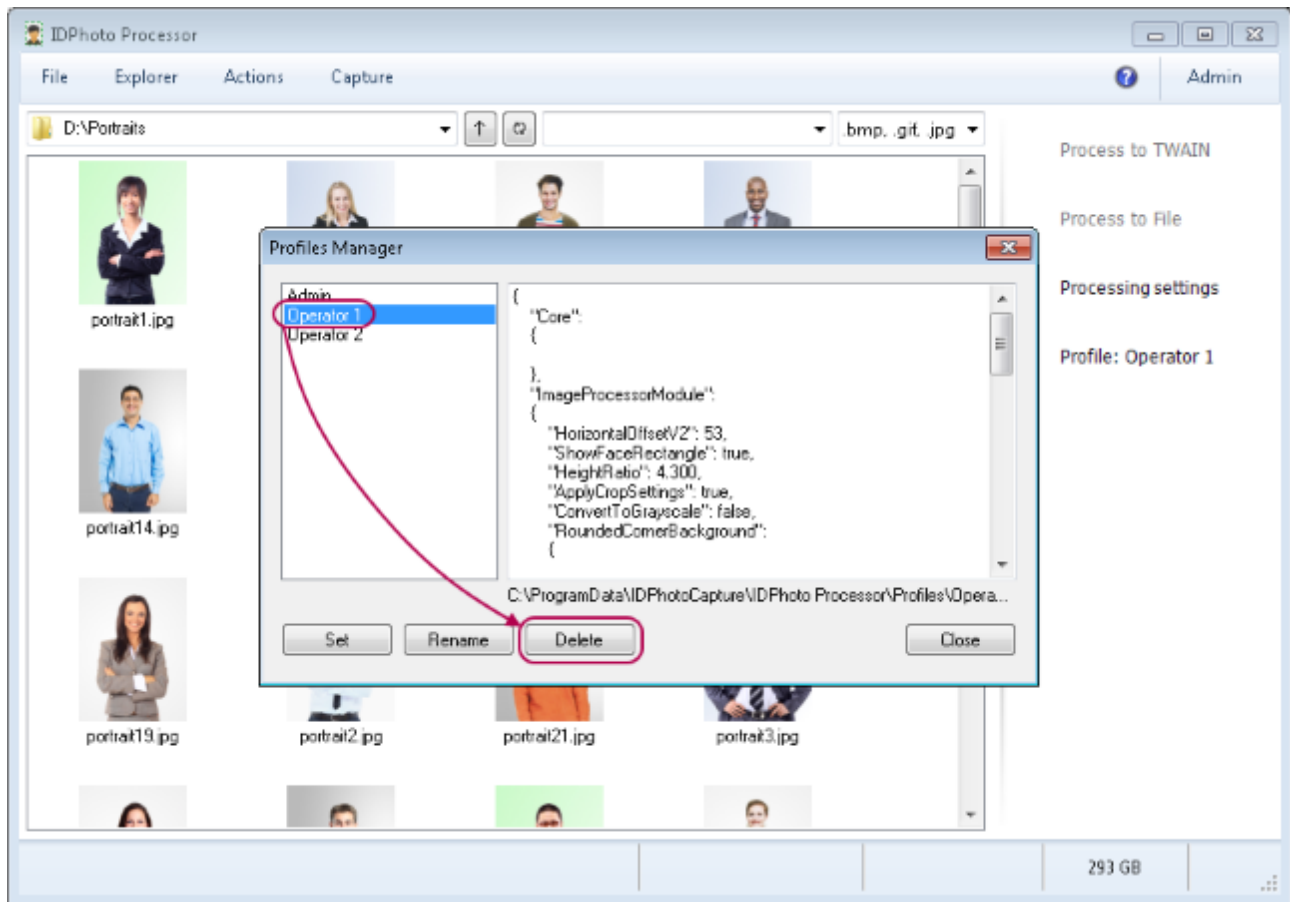
The second way: close the profile manager using the **Close** button. Press the **Profile** button in the side menu of the main window. Select a profile different from the current one in the appeared list.



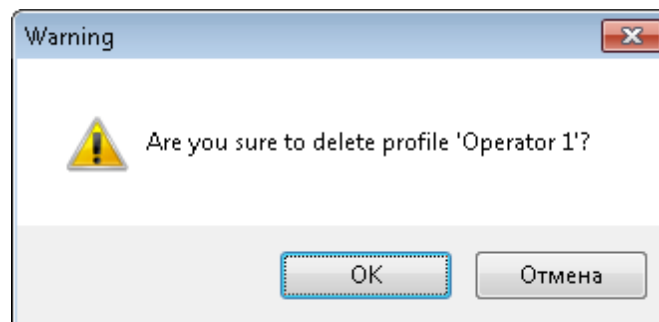
After this, the selected profile will be applied and the name will change on the **Profile** button in the side menu.



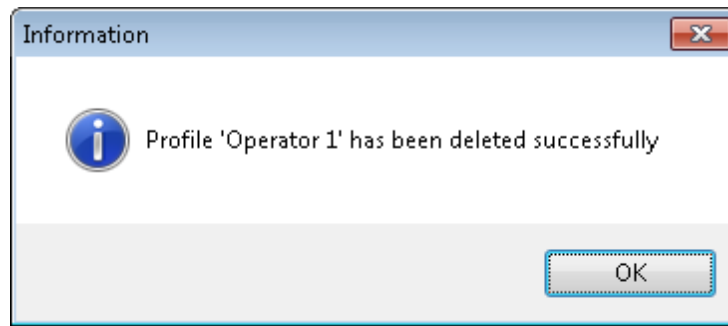
To delete the profile, enter the profile manager, select the required profile from the list and press **Delete**.



Then the message asking for the confirmation of the profile deletion will appear. Confirm deletion by pressing **OK**.



After that, the message on the successful deletion of the profile will appear.



The deleted profile will no longer be available in the profile manager.

There are two ways of updating the **Profile** button in the side menu.

The first way: select another profile in the profile manager and press **Set**.

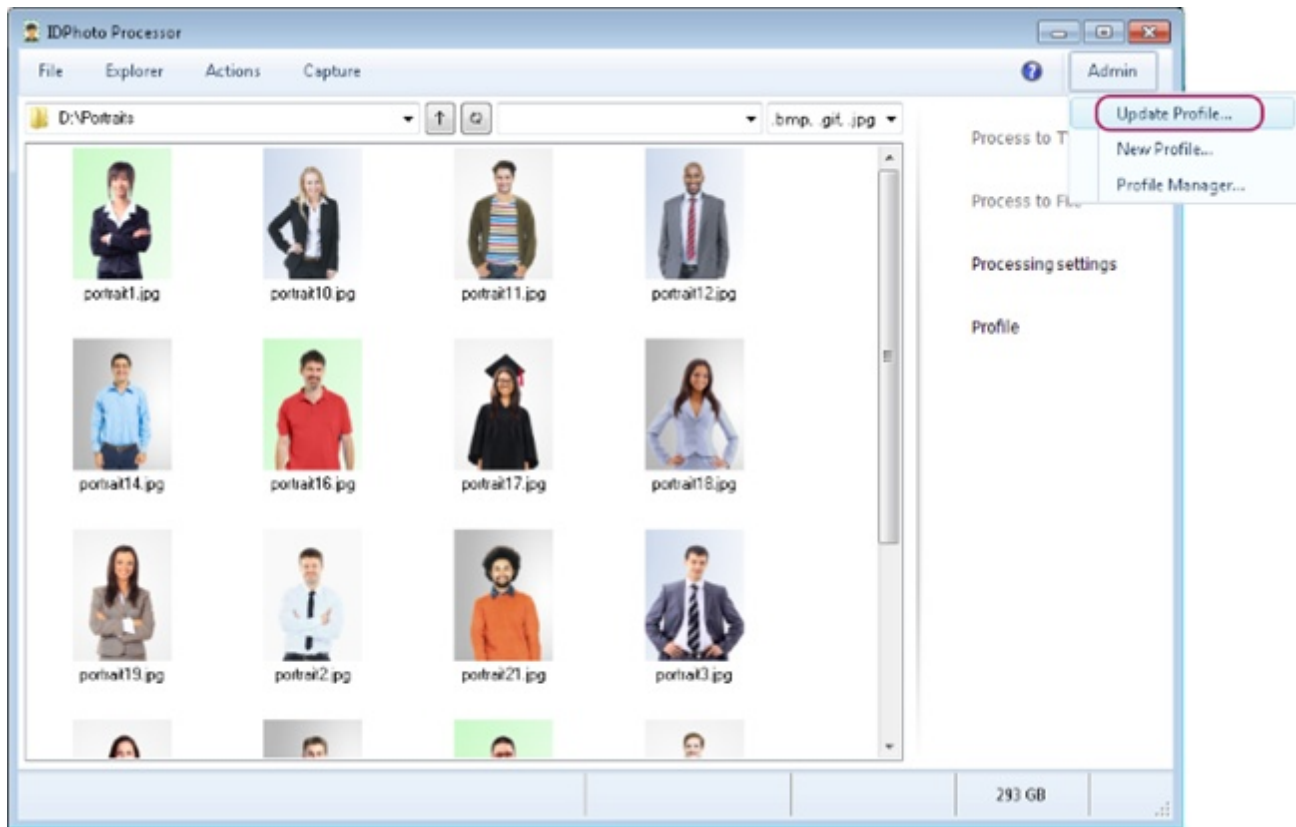
The second way: close the profile manager with the **Close** button, then press **Profile** in the side menu. Select another profile or the **Reset** item in the drop-down list. If you select the **Reset** item, no profile will be set for the current session.

Profile Updating

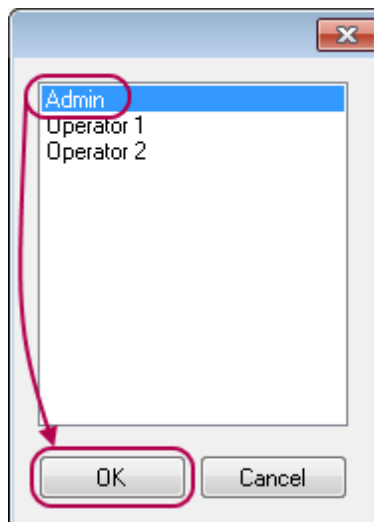
The profile updating allows applying the settings of the current application session to the selected profile.

Please note that only those settings are being updated in the profile which have been selected in the profile for saving during creation. So, for example, updating of correction settings will in no way influence the profile containing the framing settings.

To update profile, change corresponding settings in the application. Then select **Update Profile** in the **Admin** menu.

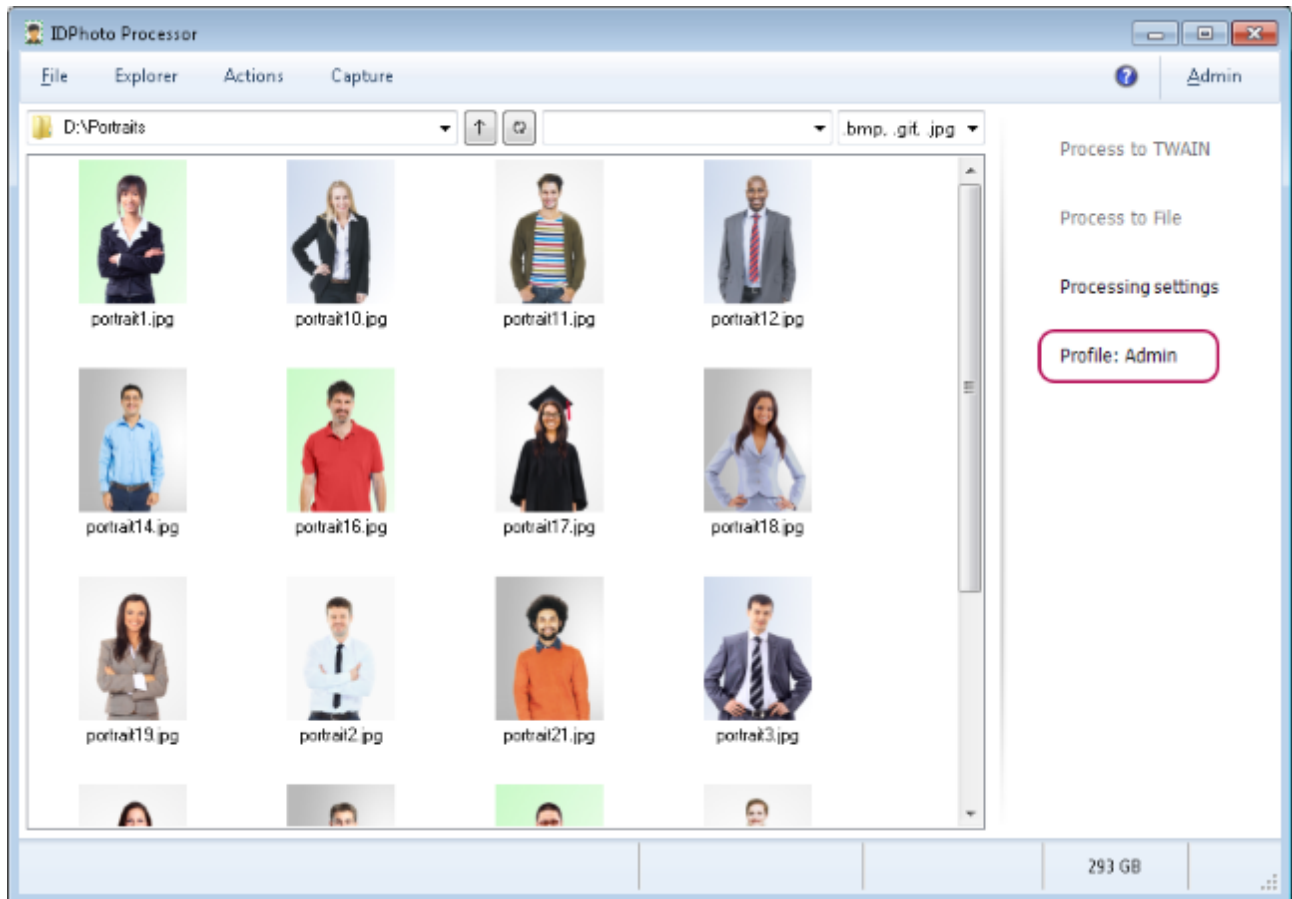


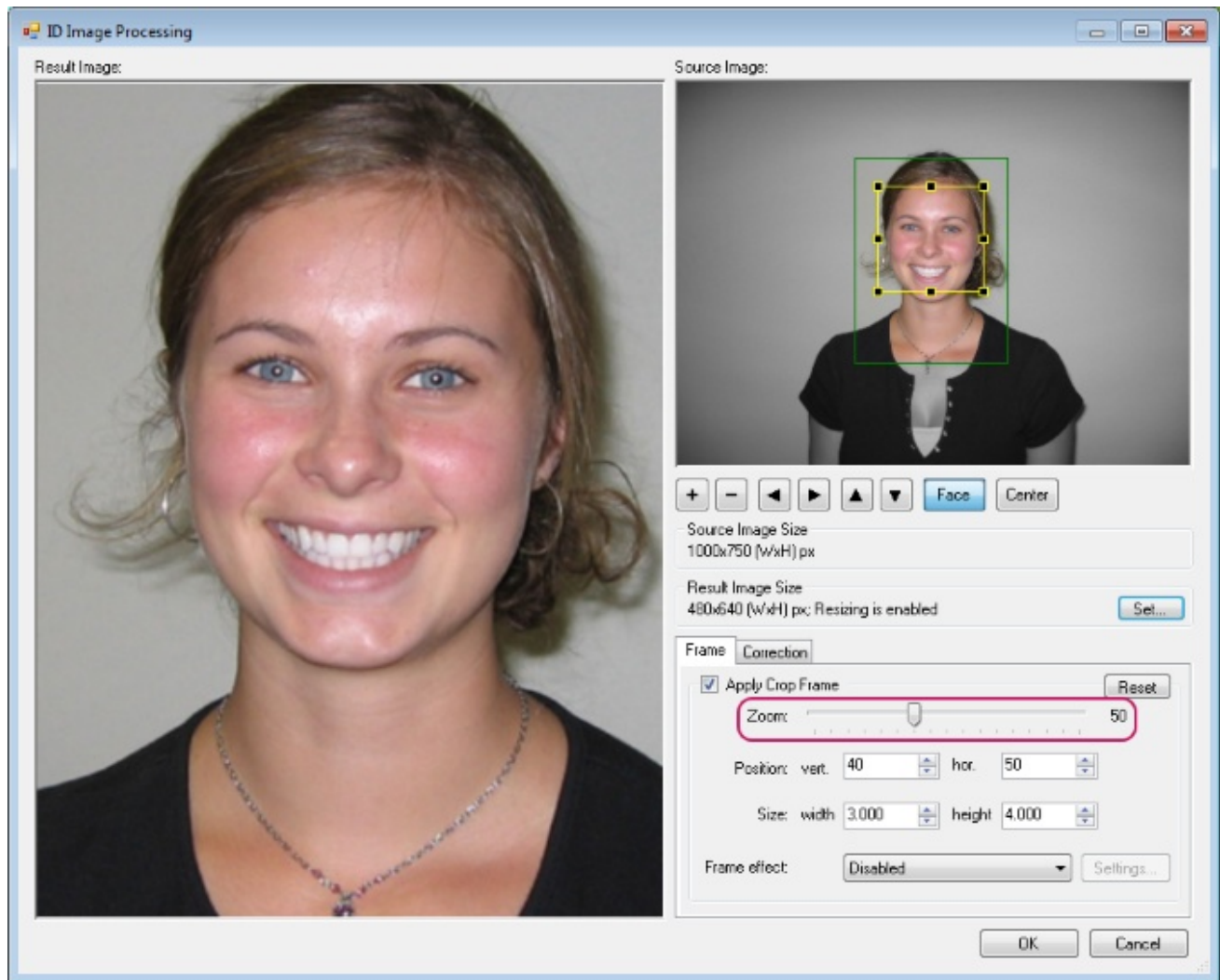
There is a list of all existing profiles in the appeared window. Select the profile to be updated and press **OK**.



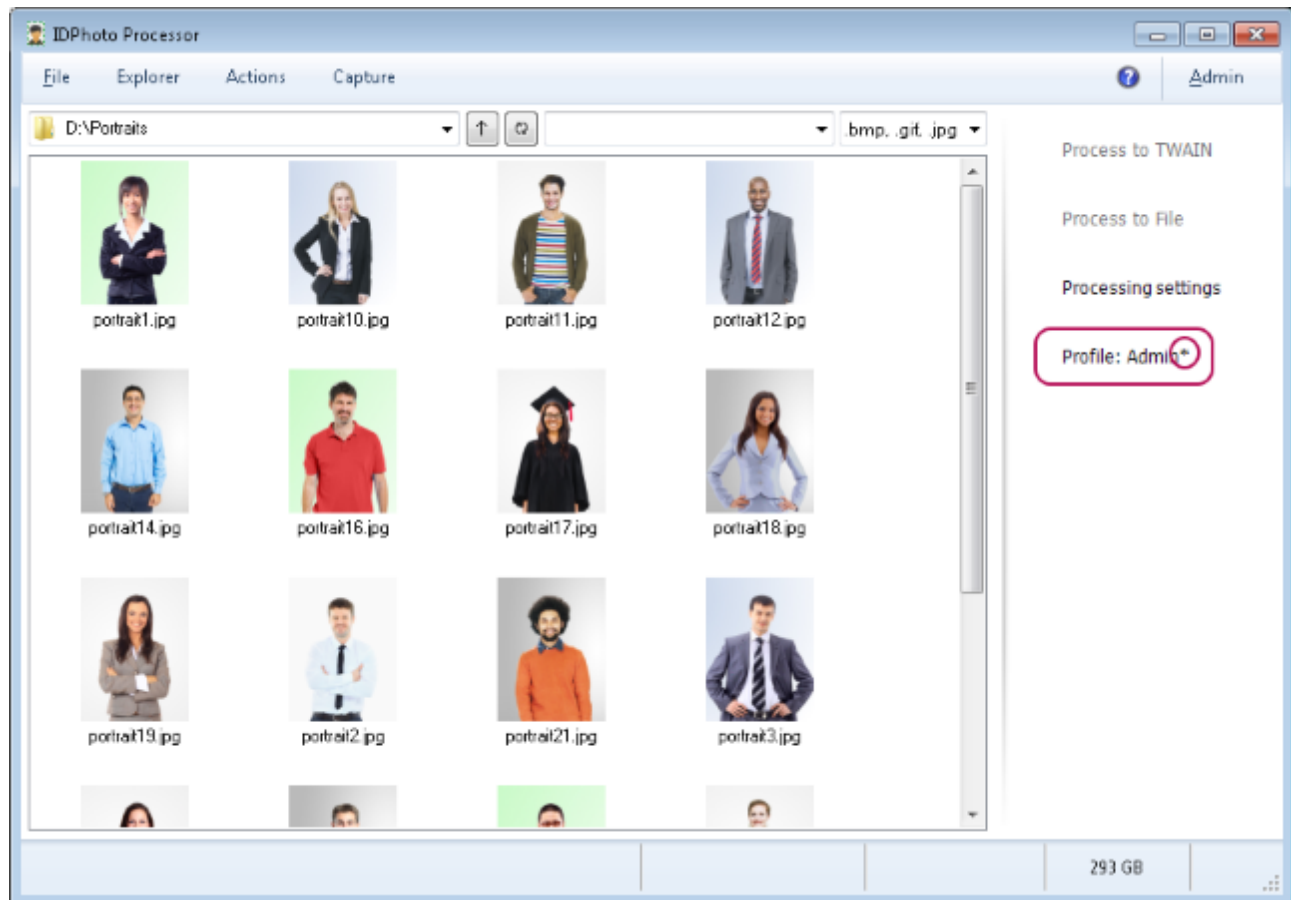
If the profile has already been established and then the application settings have been changed, this will be shown with an asterisk next to the profile name in the side menu. Please note that the profile only reacts to the change of those settings which correspond to the settings saved in the profile.

For example, the **Admin** profile in which the framing settings **Crop frame settings** have been saved is set in the application. Let's change zoom in/out value in the processing settings and press **OK**.





An asterisk will appear in the side menu next to the profile name reminding that the settings corresponding to the selected profile have been changed.



In case of changing the settings not related to **Crop frame settings**, the asterisk will not appear next to the **Admin** profile.

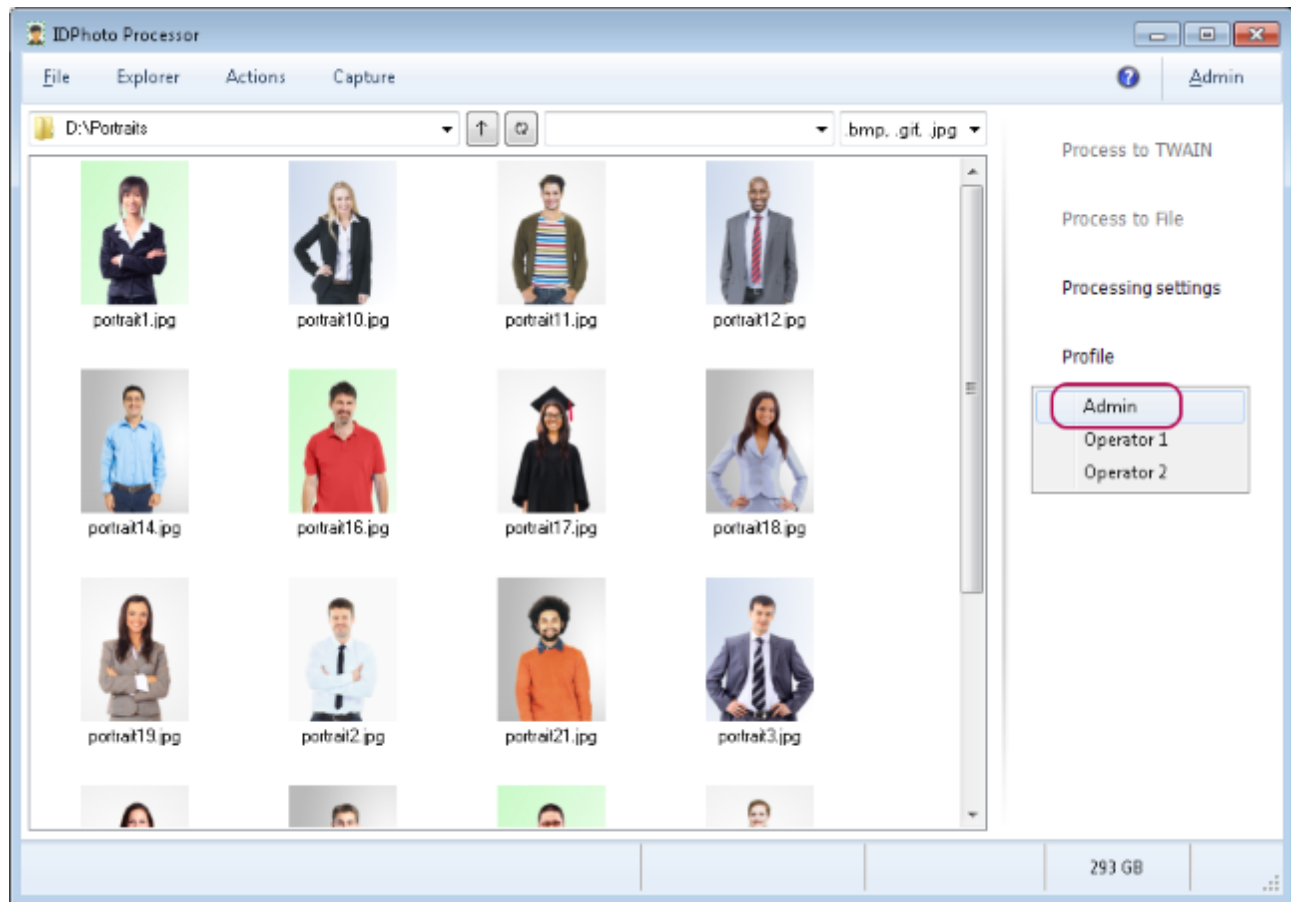
Working with Profiles from the Side Menu

For your convenience, the option of the profile application is duplicated from the **Admin** main menu to the side menu.

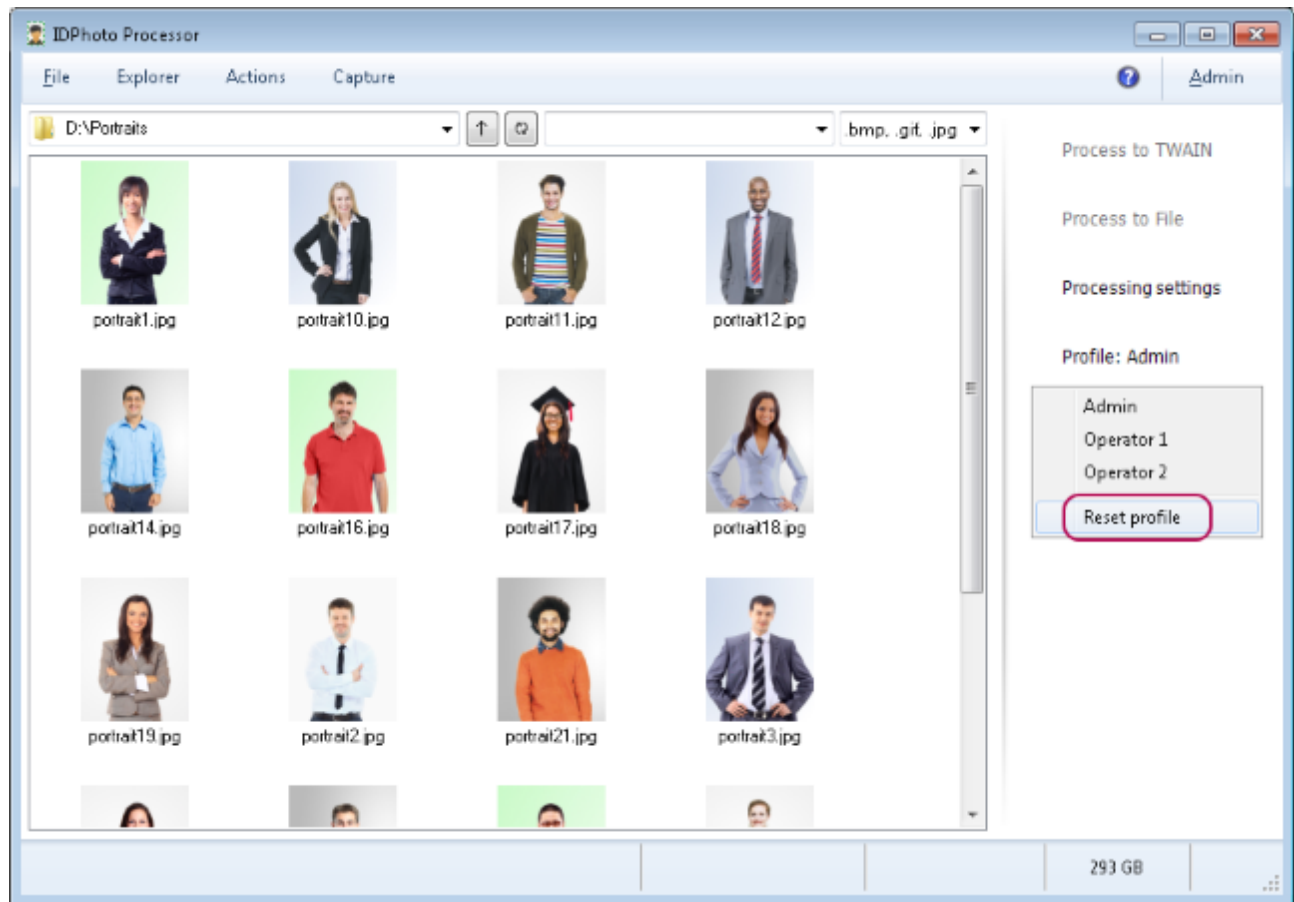
To apply the profile, press the **Profile** button in the side menu, then select the required item in the list that appeared.



*The **Profile** button may be hidden using the **Show Profile button** interface setting. The setting is located in the **File** main menu > **Options**> **General** tab.*



The profile established for the current session can also be reset in the side menu. For this purpose, choose the **Reset profile** item from the drop-down list. After applying **Reset profile**, the application settings will remain the same as in the last profile.



If no profile has been applied, this item will not be in the list.

Chapter 7. Command-Line Interface

The possibility is provided for **IDPhoto Processor** to perform operations both through the graphic user interface and the command-line interface. Hereinafter, the command-line interface will also be named **CLI**.



*CLI is the abbreviation of **Command-Line Interface**.*

The user may enter **CLI** commands directly onto the command-line interpreter or use script files. Both ways of interaction are described below in this chapter.

Command-line arguments for **IDPhoto Processor** are as follows:

/process Runs image processing from the specified source. It is a default key.

/source="<path>" Sets the path to the folder where the source images are located, or directly to the image file if only one file is to be processed.

/saveas="<path>" Sets the path to the folder where the processed images are saved.

/profile=<profile> Sets the profile with the specified name.

If **/source**, **/saveas** and **/profile** parameters are not set, then **IDPhoto Processor** applies values of the corresponding settings which have been set through the window interface of the application.

Through the **CLI**, you can start processing of a single file, several files or a directory. Examples are given for each case below in this chapter.

Contents of the Chapter:

[An Example with cmd.exe](#)

[An Example with a Batch File](#)

[Examples for processing a single file, several files or a directory](#)

An Example with cmd.exe

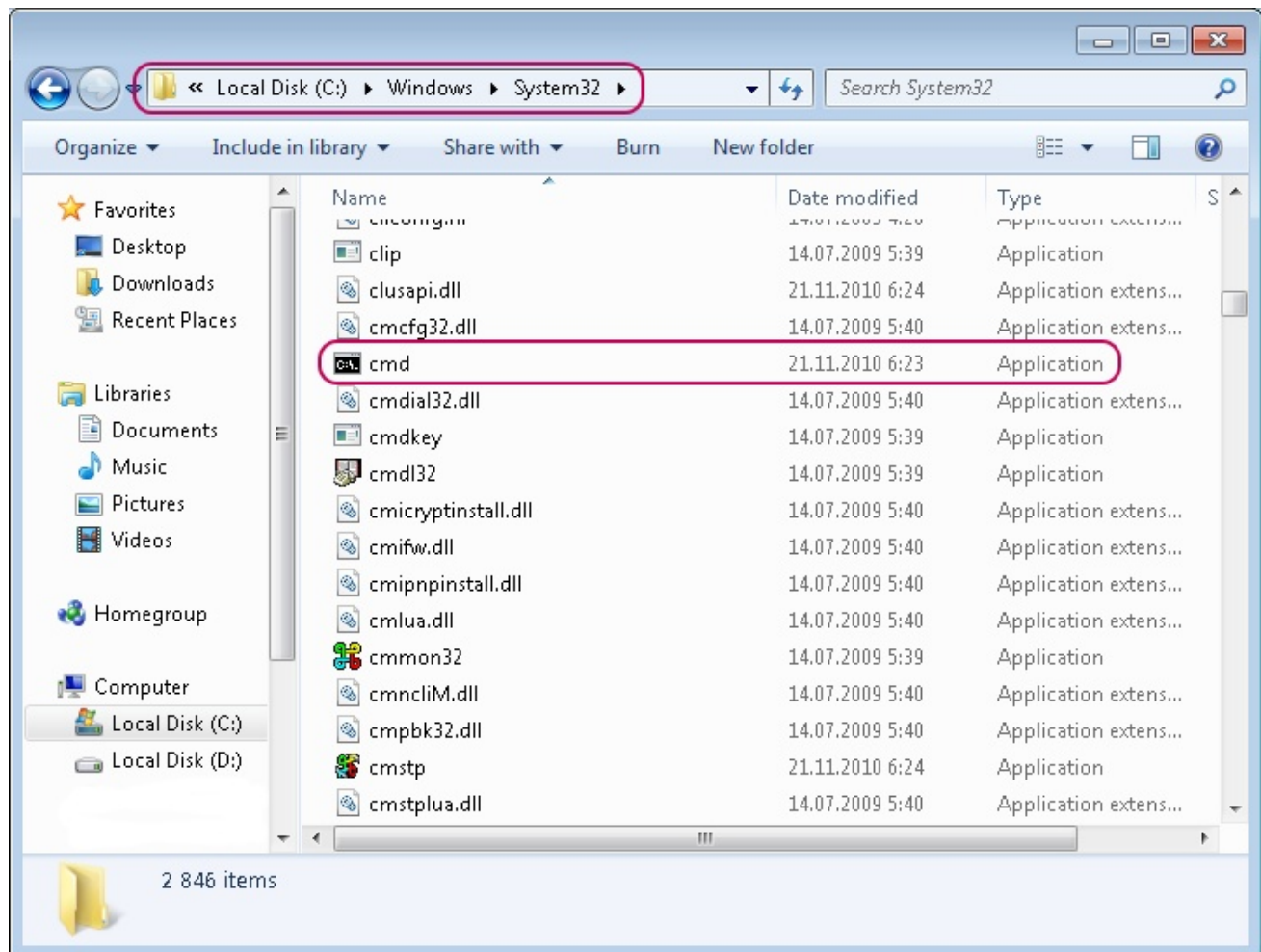
In this example, we'll run processing of the images under **IDPhoto Processor** from the command

line.

Step 1. Run `cmd.exe`.

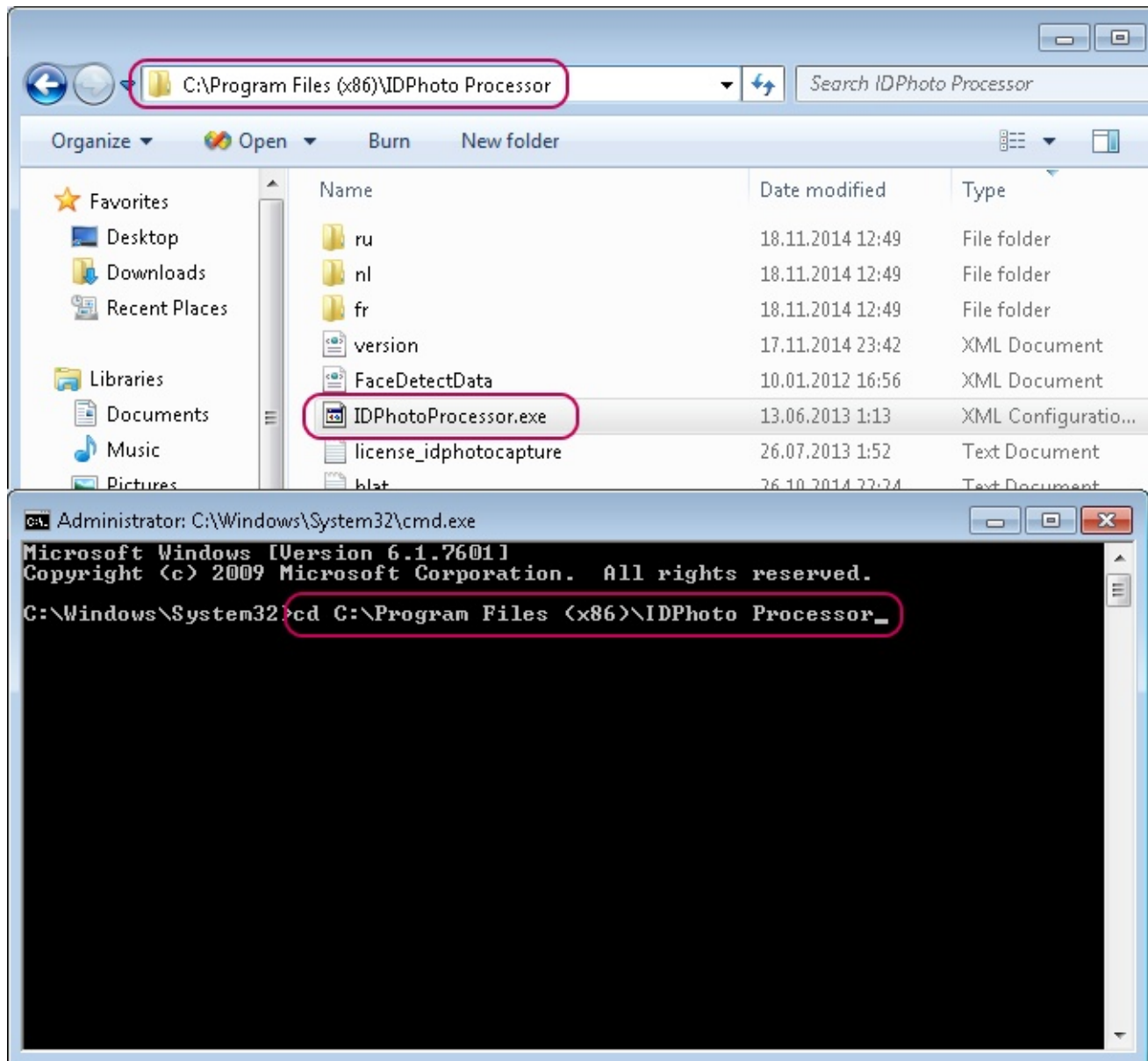


*`cmd.exe` is the command-line interpreter. The user can interact with the operating system and the application programs supporting the command-line interface through the `cmd` character-based interface. The utility is on the same drive on which the operating system is installed, normally the **C** drive, by the following way: **Windows\System32**.*



Step 2. Using the `cd` command, move to the folder where **IDPhoto Processor** is installed:

```
cd C:\Program Files (x86)\IDPhoto Processor
```



Step 3. We describe the processing scenario in `cmd.exe`. For this purpose, assign the following parameters: `/process` - to process, `/source="<path>"` - the path to the folder where the source files are located, `/saveas="<path>"` - the path to the folder where the processed files need to be placed.

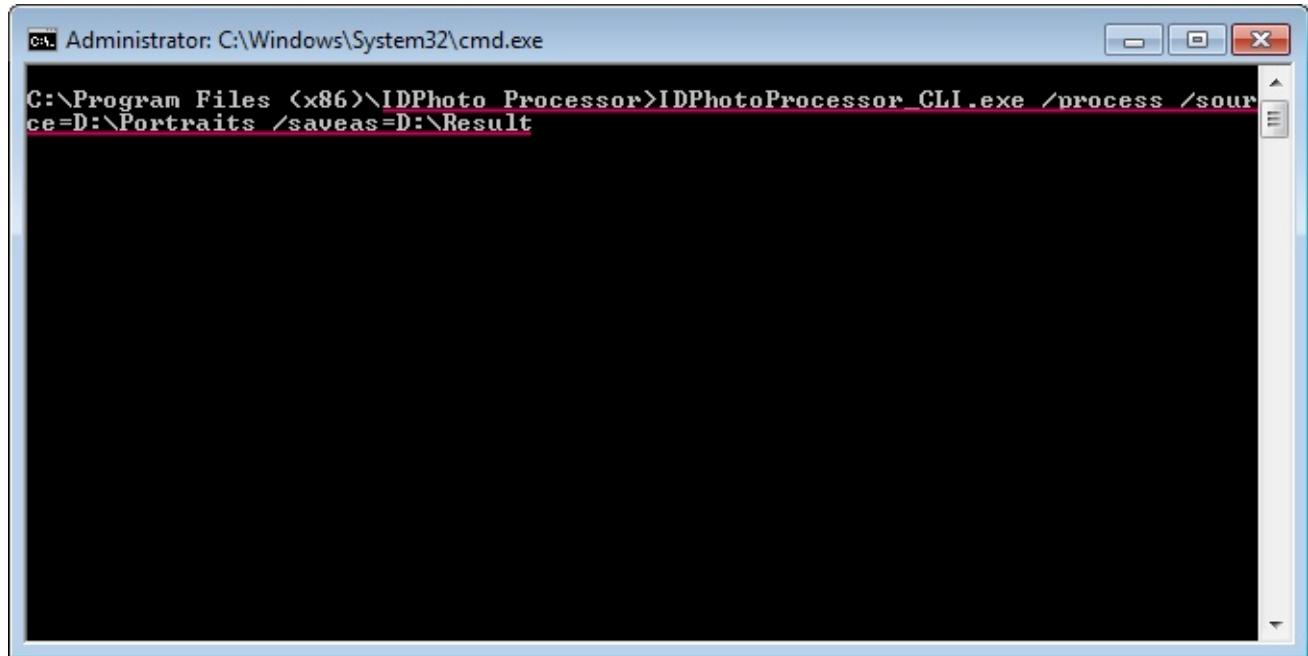


If you want to process not the whole directory but one or more specific images, some examples of entries for different cases can be found in the section [Examples for processing a single file, several files or a directory](#).



Please pay attention that the directory path should not contain any extra separators – slashes – in the **/source** and **/saveas** parameters. For example, the following entry will be invalid and will cause an error: `/source=D:\Portraits\ /saveas=D:\Result\`
The correct entry should look like this: `/source=D:\Portraits /saveas=D:\Result`

`IDPhotoProcessor_CLI.exe /process /source=D:\Portraits /saveas=D:\Result`

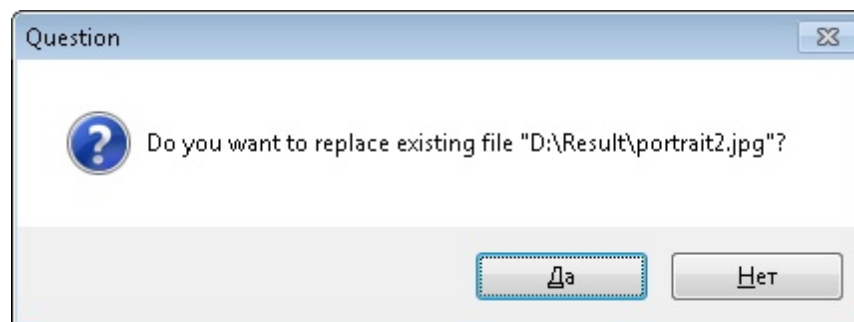
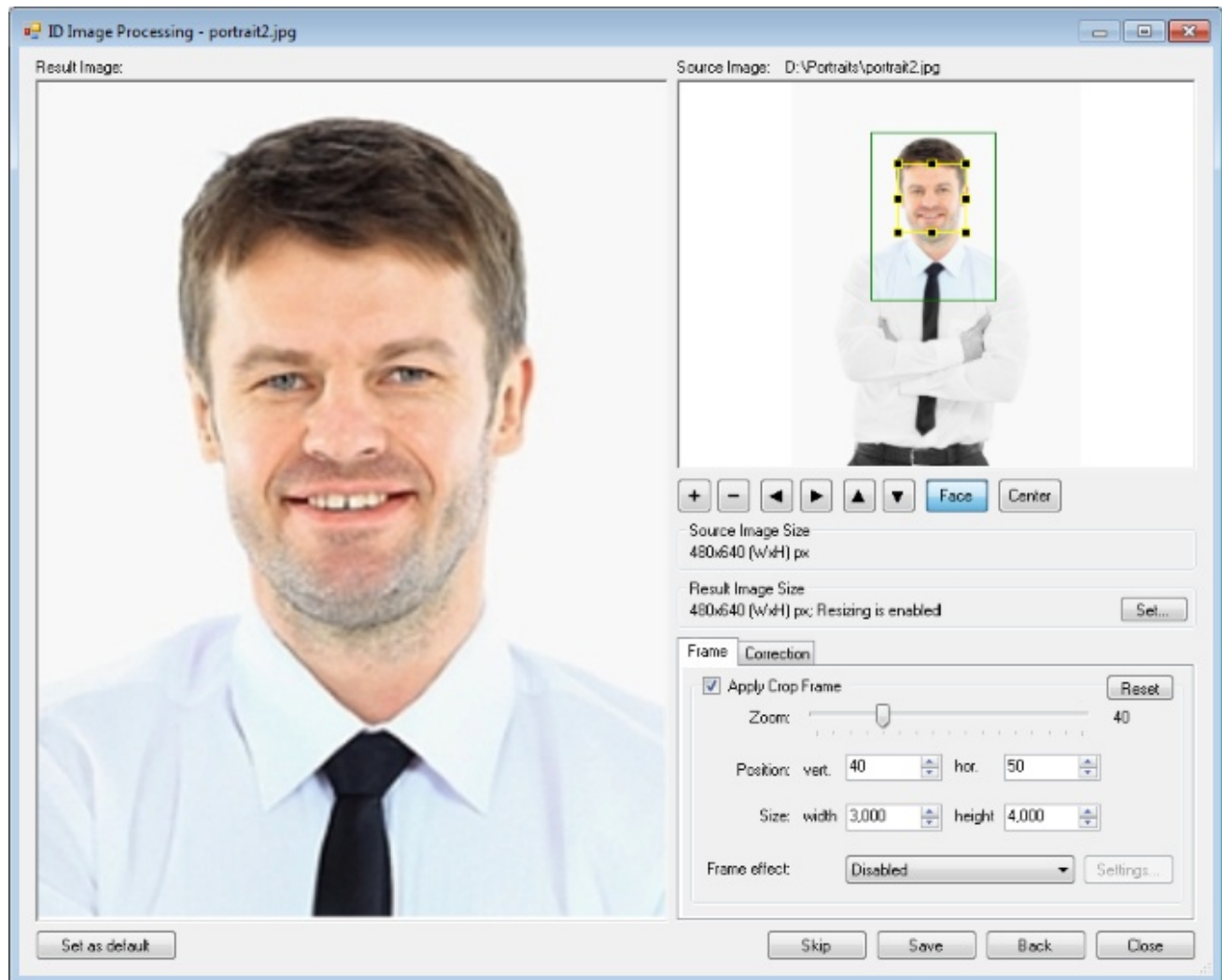


Step 4. Press **Enter** in **cmd.exe**, this action will start processing in **IDPhotoProcessor_CLI.exe**.

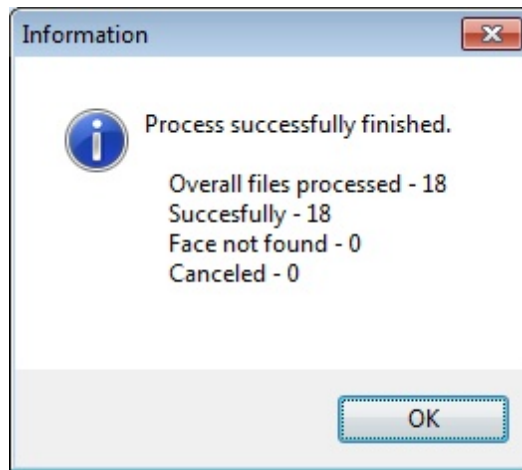
Depending on the settings, the application may display the **ID Image Processing** dialogue and the confirmation for overwriting the file during processing.

More details on the **Show processing window** setting displaying the **ID Image Processing** dialogue may be found in the [General Settings](#) and [ID Image Processing Dialogue](#) Chapters.

More details on the **Overwrite existing files** setting displaying confirmation for overwriting the file may be found in the [Saving Processed Images](#) Chapter.

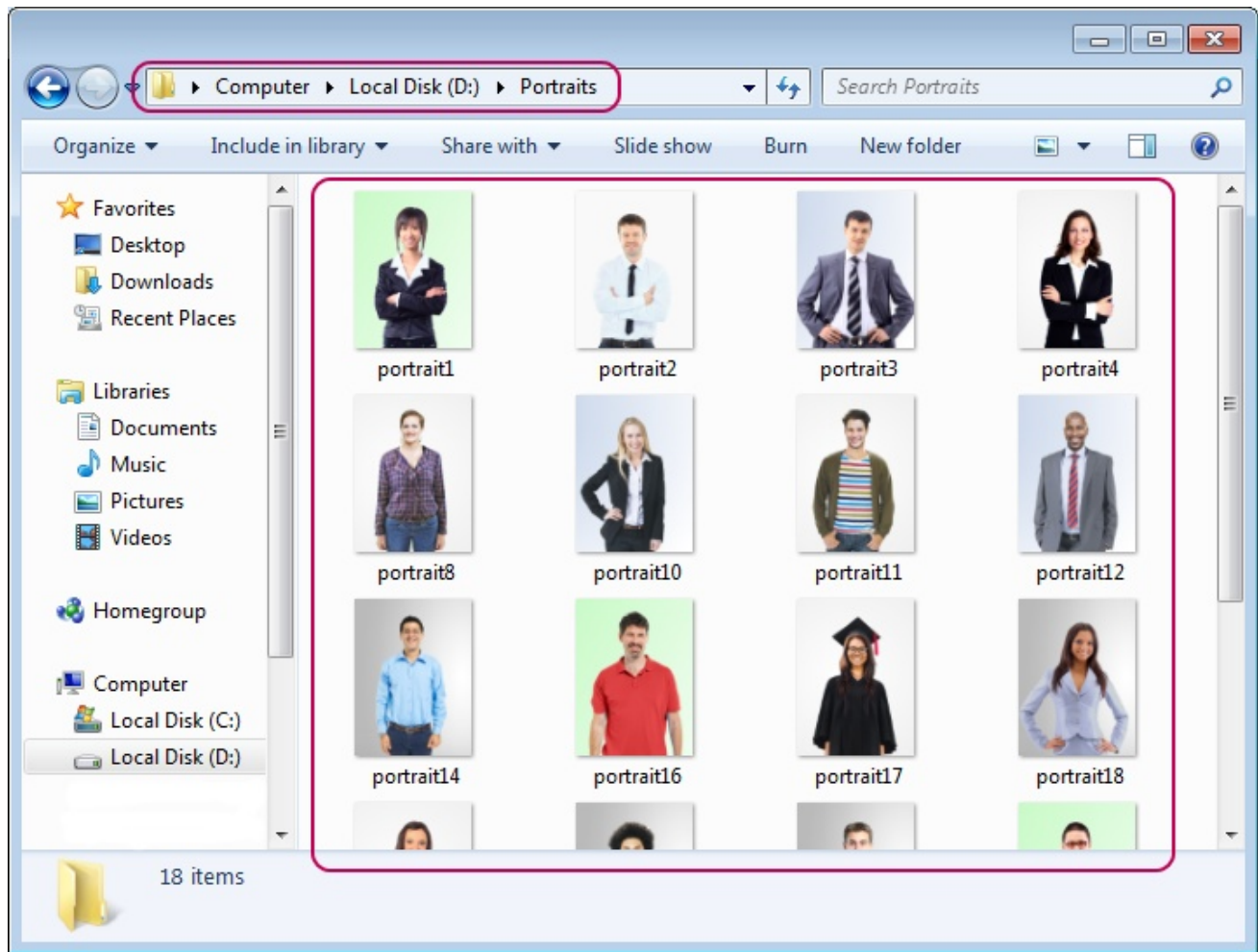


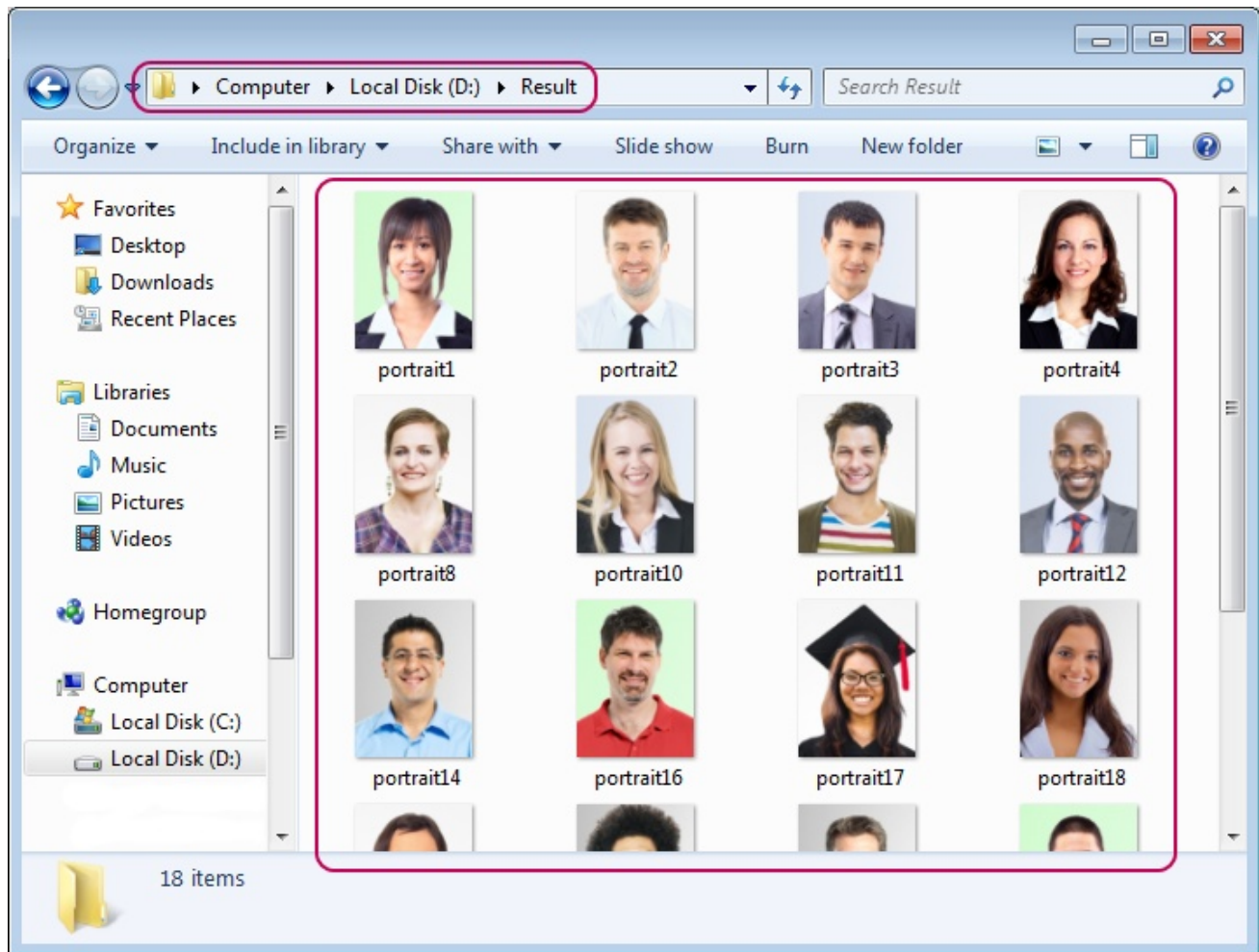
Upon completing the processing, a message with the statistical report may be displayed. More details on the setting which enables displaying of the message and the report information may be found in the [Statistics](#) Chapter.



If the processing is run for one image, the message with the report will not be displayed.

Step 5. Check processing results. The source images and the images after processing are shown on the pictures below. Processing has been performed as set in the command-line parameters. The images from the folder indicated in the **/source** parameter have been processed and saved to the folder indicated in the **/saveas** parameter.





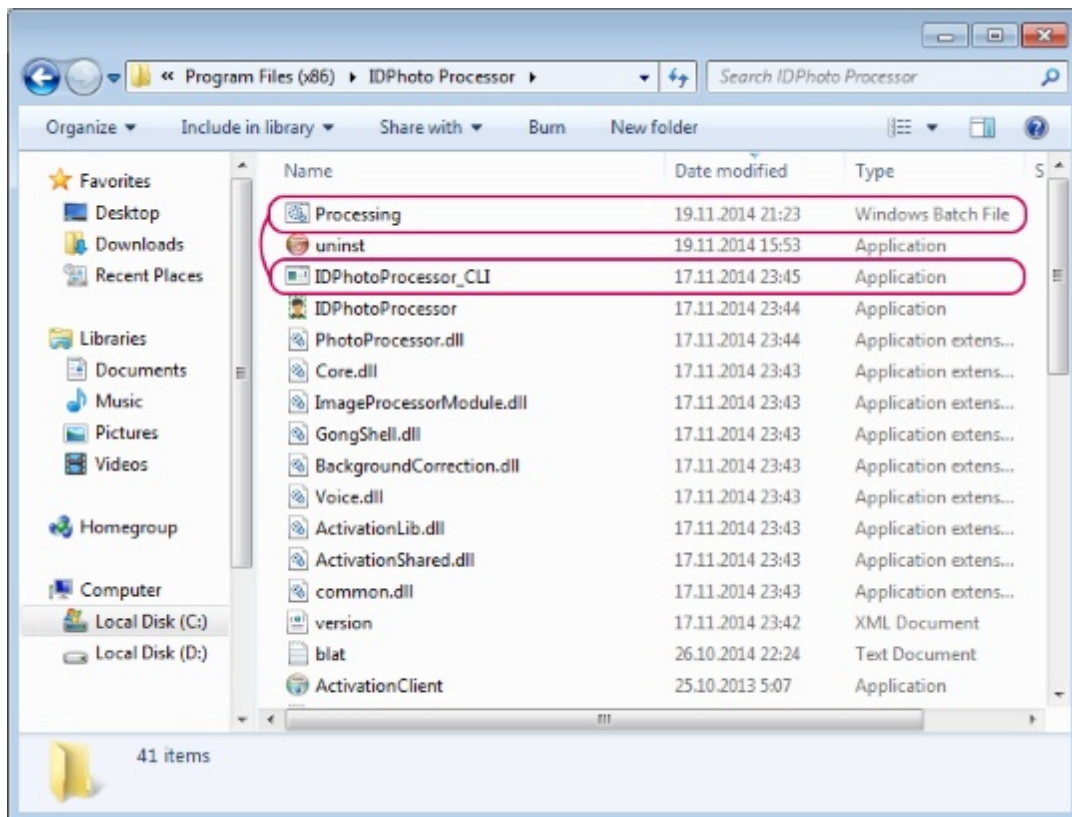
An Example with a Batch File

To automate the processing process through the command-line interface, we use a batch file.

We'll write the following script in the batch file: run **IDPhotoProcessor_CLI.exe** with the **/process** (run processing), **/source** (the place to take the source files from) and **/saveas** (where to save the processed files) parameters.

Step 1. Create a batch file with the bat extension and place it into the same folder where

IDPhotoProcessor_CLI.exe is located.



Step 2. Create **source_path** and **savesas_path** variables in the batch file and assign values to them. Assign the path to the folder from which the source files are taken to the **source_path**; assign the path to the folder into which the processed images are saved to the **savesas_path**.



If you want to process not the whole directory but one or more specific images, some examples of entries for different cases can be found in the section [Examples for processing a single file, several files or a directory](#).



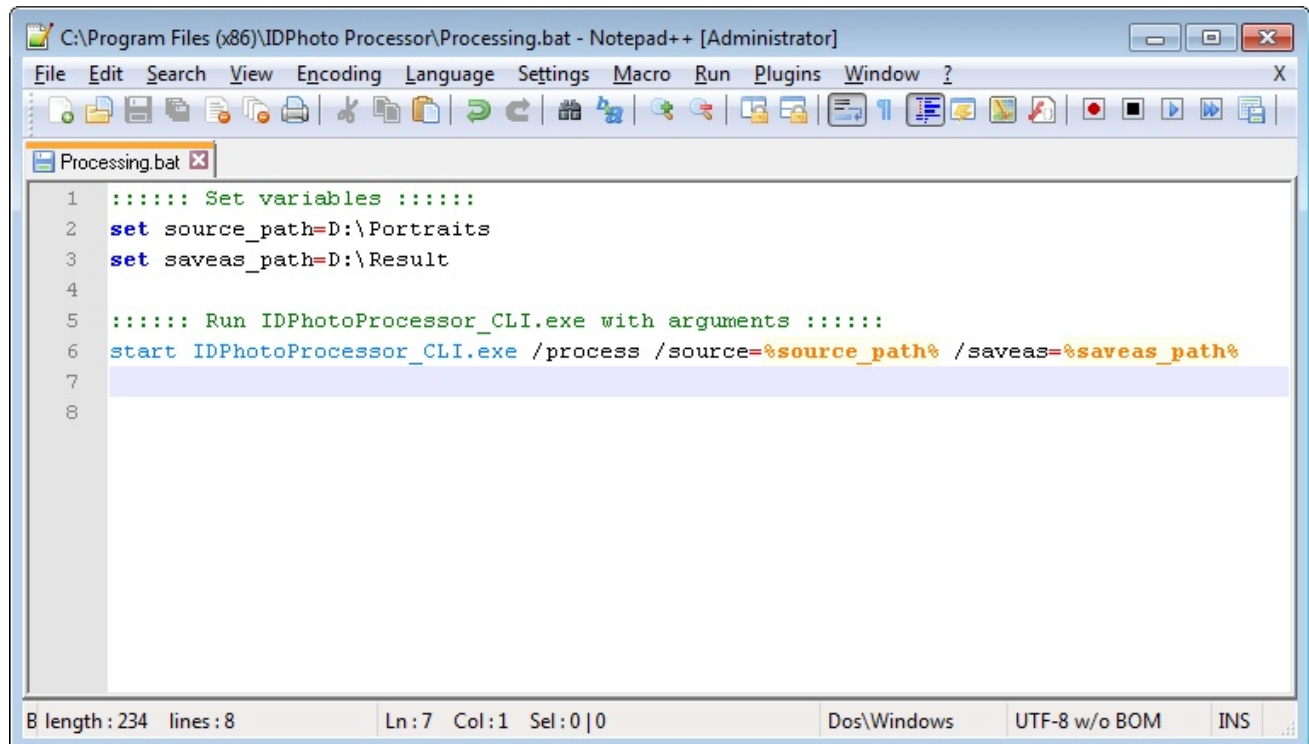
*Please pay attention that the directory path should not contain any extra separators – slashes – in the **/source** and **/savesas** parameters. For example, the following entry will be invalid and will cause an error: `/source=D:\Portraits\ /savesas=D:\Result\`
The correct entry should look like this: `/source=D:\Portraits /savesas=D:\Result`*

```
::::: Set variables ::::::
set source_path=D:\Portraits
set savesas_path=D:\Result
```

Then describe running **IDPhotoProcessor_CLI.exe** with the **/process**, **/source** and **/saveas** parameters. Assign the values of the **source_path** and **saveas_path** variables to the **/source** and **/saveas** parameters.

```
::::: Run IDPhotoProcessor_CLI.exe with arguments :::::  
start IDPhotoProcessor_CLI.exe /process /source=%source_path% /saveas=%saveas_path%
```

An example of the file contents is shown on the picture below.

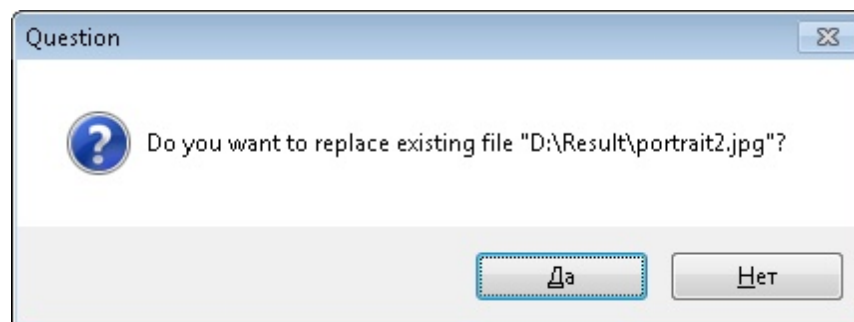
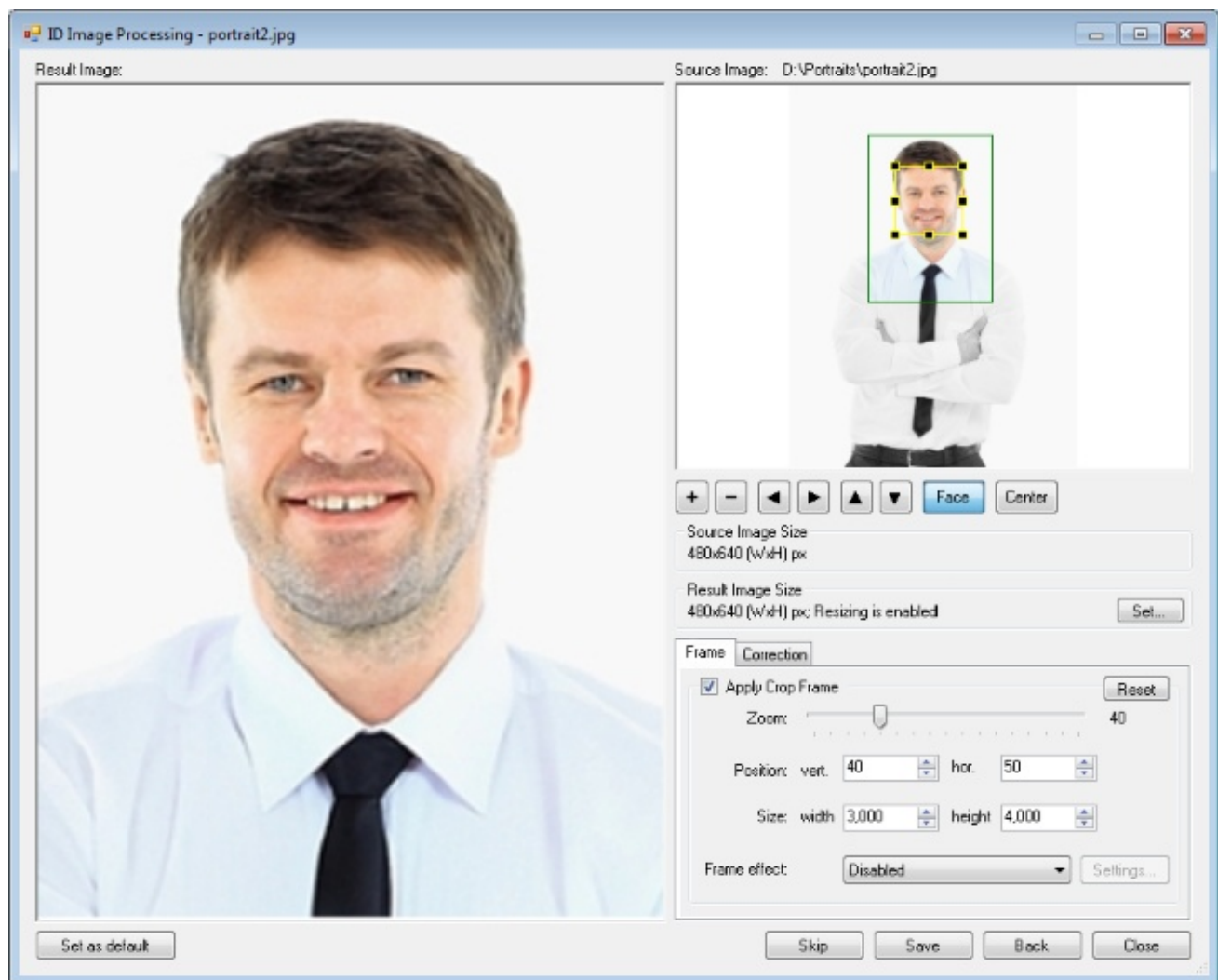


```
C:\Program Files (x86)\IDPhoto Processor\Processing.bat - Notepad++ [Administrator]  
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?  
Processing.bat x  
1 :::::: Set variables ::::::  
2 set source_path=D:\Portraits  
3 set saveas_path=D:\Result  
4  
5 :::::: Run IDPhotoProcessor_CLI.exe with arguments ::::::  
6 start IDPhotoProcessor_CLI.exe /process /source=%source_path% /saveas=%saveas_path%  
7  
8  
B length : 234 lines : 8 Ln : 7 Col : 1 Sel : 0 | 0 Dos\Windows UTF-8 w/o BOM INS
```

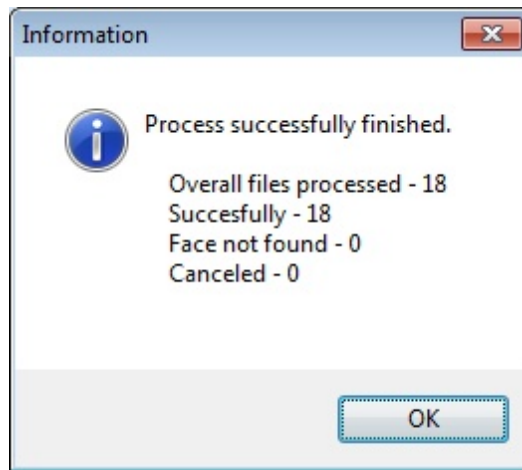
Step 3. Run the batch file.

Depending on the settings, the application may display the **ID Image Processing** dialogue and the confirmation for overwriting the file during processing.

More details on the **Show processing window** setting displaying the **ID Image Processing** dialogue may be found in the [General Settings](#) section. More details on the **Overwrite existing files** setting displaying confirmation for overwriting the file may be found in the [Saving Processed Images](#) Chapter.



Upon completing the processing, a message with the statistical report may be displayed. More details on the setting which enables displaying of the message and the report information may be found in the [Statistics](#) Chapter.



If the processing is run for one image, the message with the report will not be displayed.

Step 4. Check processing results.

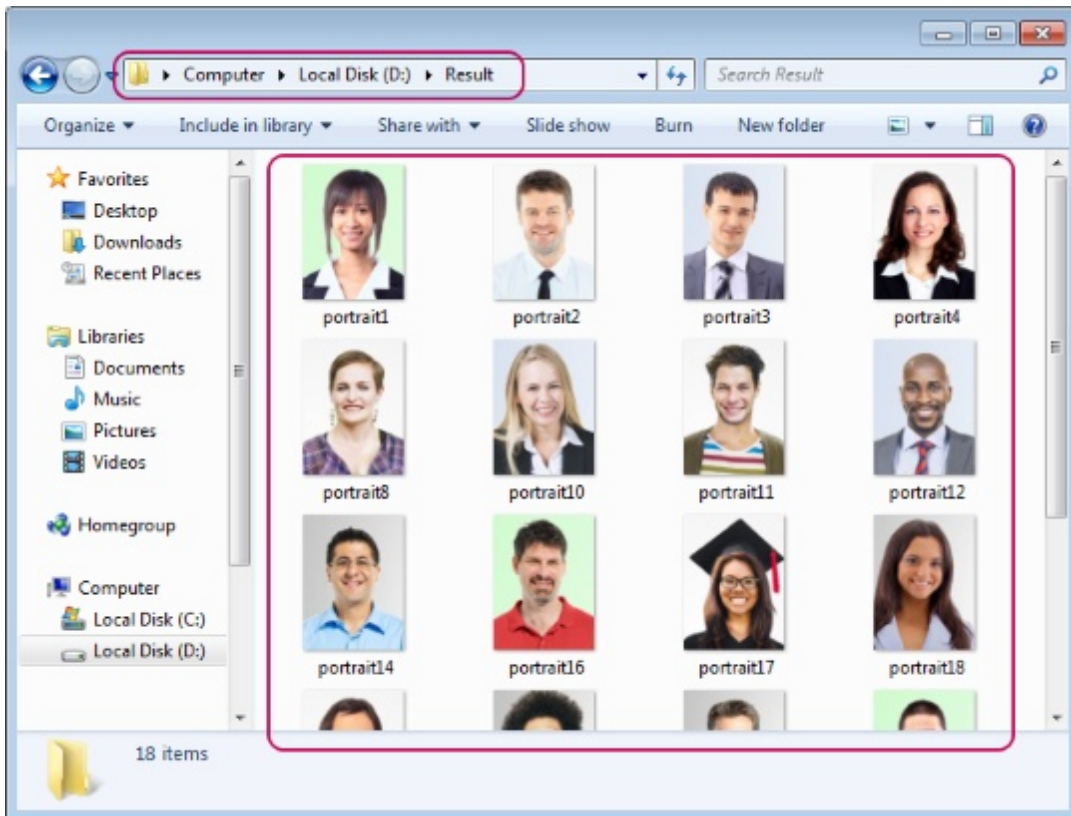
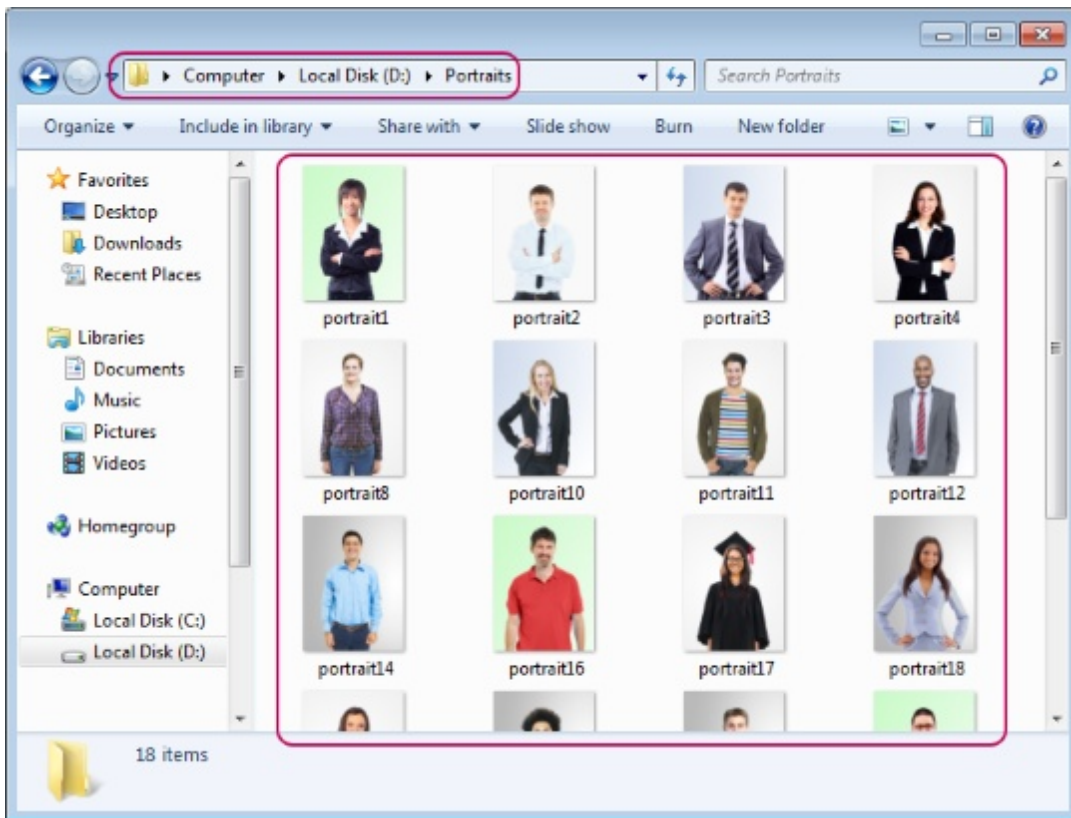
Information on processing and saving images is displayed in the command-line window.

A screenshot of a command-line window titled "C:\Program Files (x86)\IDPhoto Processor\IDPhotoProcessor_CLI.exe". The window contains a list of processing logs for 18 files. Each entry shows the file being processed and the path it was saved to. The files are: portrait17.jpg, portrait18.jpg, portrait19.jpg, portrait2.jpg, portrait21.jpg, portrait3.jpg, portrait4.jpg, portrait61.jpg, portrait71.jpg, portrait8.jpg, portrait95.jpg, and portrait96.jpg. The logs are as follows:

```
Processing file: D:\Portraits\portrait17.jpg
  Saved to: D:\Result\portrait17.jpg
Processing file: D:\Portraits\portrait18.jpg
  Saved to: D:\Result\portrait18.jpg
Processing file: D:\Portraits\portrait19.jpg
  Saved to: D:\Result\portrait19.jpg
Processing file: D:\Portraits\portrait2.jpg
  Saved to: D:\Result\portrait2.jpg
Processing file: D:\Portraits\portrait21.jpg
  Saved to: D:\Result\portrait21.jpg
Processing file: D:\Portraits\portrait3.jpg
  Saved to: D:\Result\portrait3.jpg
Processing file: D:\Portraits\portrait4.jpg
  Saved to: D:\Result\portrait4.jpg
Processing file: D:\Portraits\portrait61.jpg
  Saved to: D:\Result\portrait61.jpg
Processing file: D:\Portraits\portrait71.jpg
  Saved to: D:\Result\portrait71.jpg
Processing file: D:\Portraits\portrait8.jpg
  Saved to: D:\Result\portrait8.jpg
Processing file: D:\Portraits\portrait95.jpg
  Saved to: D:\Result\portrait95.jpg
Processing file: D:\Portraits\portrait96.jpg
  Saved to: D:\Result\portrait96.jpg
```

Look at the images in the explorer.

You can see on the pictures below that the images from the folder indicated in the **/source** parameter have been processed and saved to the folder indicated in the **/saveas** parameter.



Examples for processing a single file, several files or a directory

Examples of entries for processing of a single file, several files or a directory are shown in this section.



*Please pay attention that the directory path should not contain any extra separators – slashes – in the **/source** and **/saveas** parameters. For example, the following entry will be invalid and will cause an error: `/source=D:\Portraits\ /saveas=D:\Result\`*

The correct entry should look like this: `/source=D:\Portraits /saveas=D:\Result`

Example for processing of a single file

To process a single file, specify the full name of the source file in the **/source** parameter, and the full name of the future processed file in the **/saveas** parameter.

The entry for **cmd.exe**:

```
IDPhotoProcessor_CLI.exe /process /source=D:\Portraits\portrait1.jpg /saveas=D:\Result\portrait1_ID.jpg
```

```
Administrator: C:\Windows\system32\cmd.exe
C:\Program Files (x86)\IDPhoto Processor>IDPhotoProcessor_CLI.exe /process /source=D:\Portraits\portrait1.jpg /saveas=D:\Result\portrait1_ID.jpg
```

The entry for a batch file:

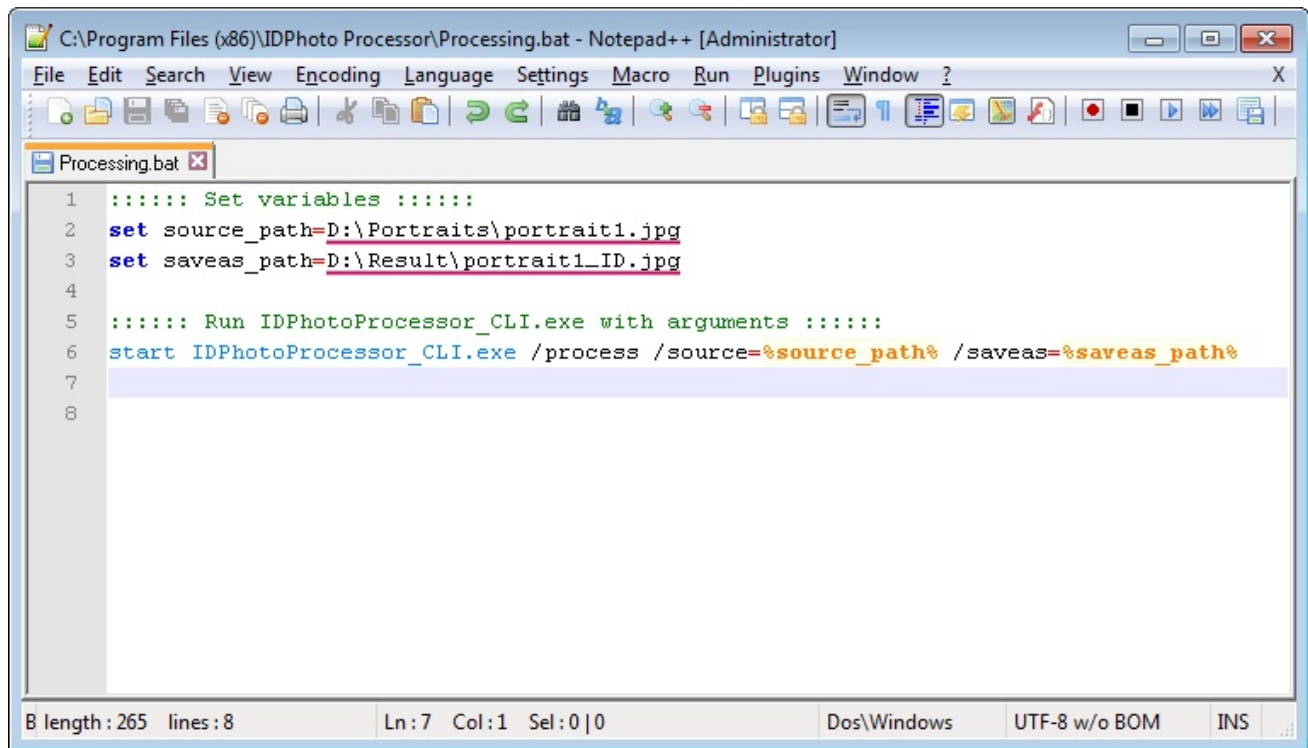
:::::: Set variables :::::

set source_path=D:\Portraits\portrait1.jpg

set saveas_path=D:\Result\portrait1_ID.jpg

:::::: Run IDPhotoProcessor_CLI.exe with arguments :::::

start IDPhotoProcessor_CLI.exe /process /source=%source_path% /saveas=%saveas_path%



```
1  ::::: Set variables :::::
2  set source_path=D:\Portraits\portrait1.jpg
3  set saveas_path=D:\Result\portrait1_ID.jpg
4
5  ::::: Run IDPhotoProcessor_CLI.exe with arguments :::::
6  start IDPhotoProcessor_CLI.exe /process /source=%source_path% /saveas=%saveas_path%
7
8
```

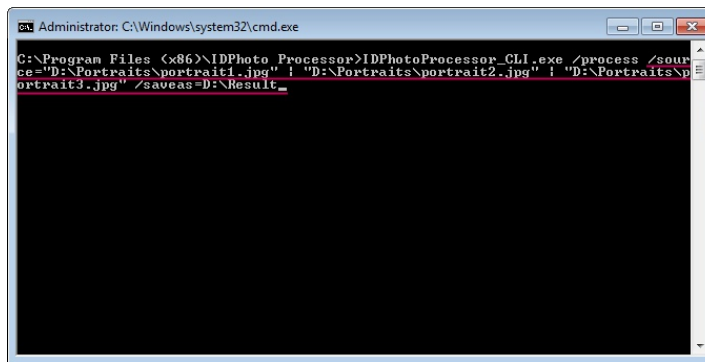
Example for processing of several files

To process several files, specify the full names of the source files in the **/source** parameter and the path to the directory where the processed files are to be saved in the **/saveas** parameter.

To list files in the **/source** parameter, the name of each file should be taken in double quotes and separated from other files by means of a space and a vertical bar.

The entry for **cmd.exe**:

IDPhotoProcessor_CLI.exe /process /source="D:\Portraits\portrait1.jpg" | "D:\Portraits\portrait2.jpg" | "D:\Portraits\portrait3.jpg" /saveas=D:\Result



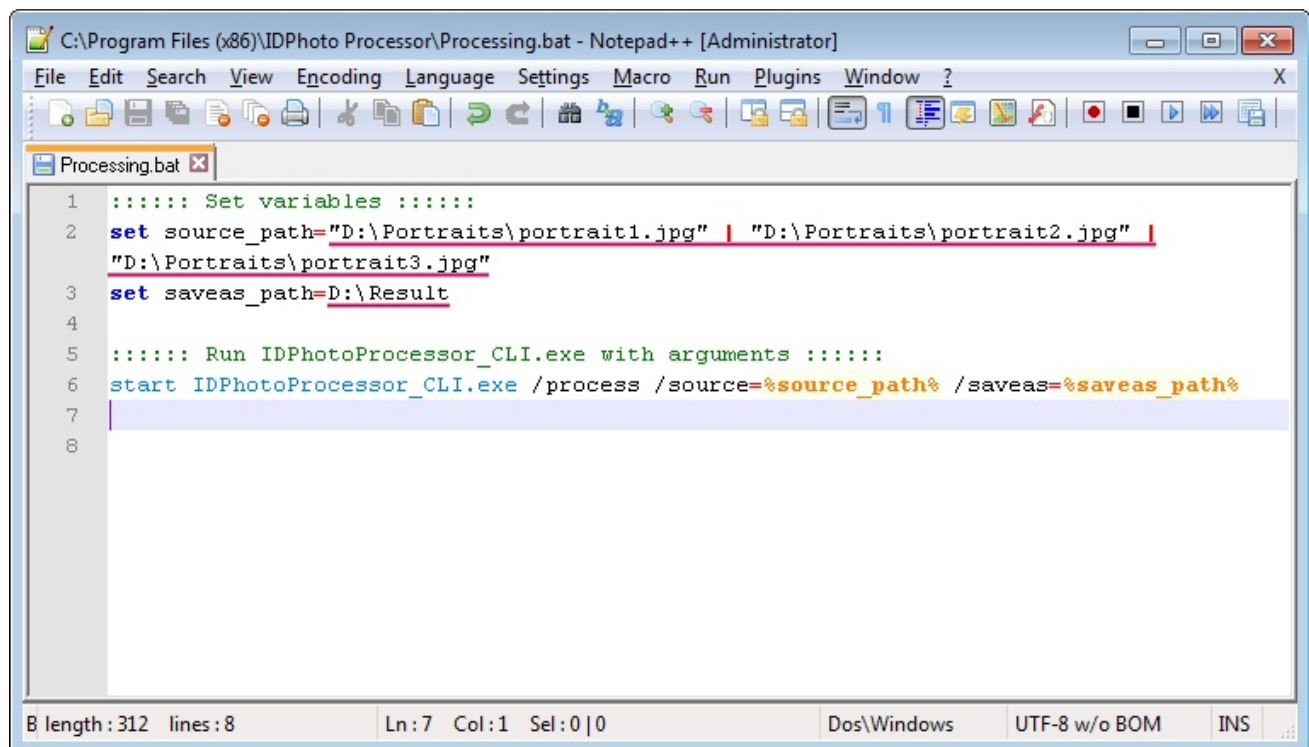
The entry for a batch file:

::::: Set variables :::::

```
set source_path="D:\Portraits\portrait1.jpg" | "D:\Portraits\portrait2.jpg" | "D:\Portraits\portrait3.jpg"
set saveas_path=D:\Result
```

::::: Run IDPhotoProcessor_CLI.exe with arguments :::::

```
start IDPhotoProcessor_CLI.exe /process /source=%source_path% /saveas=%saveas_path%
```



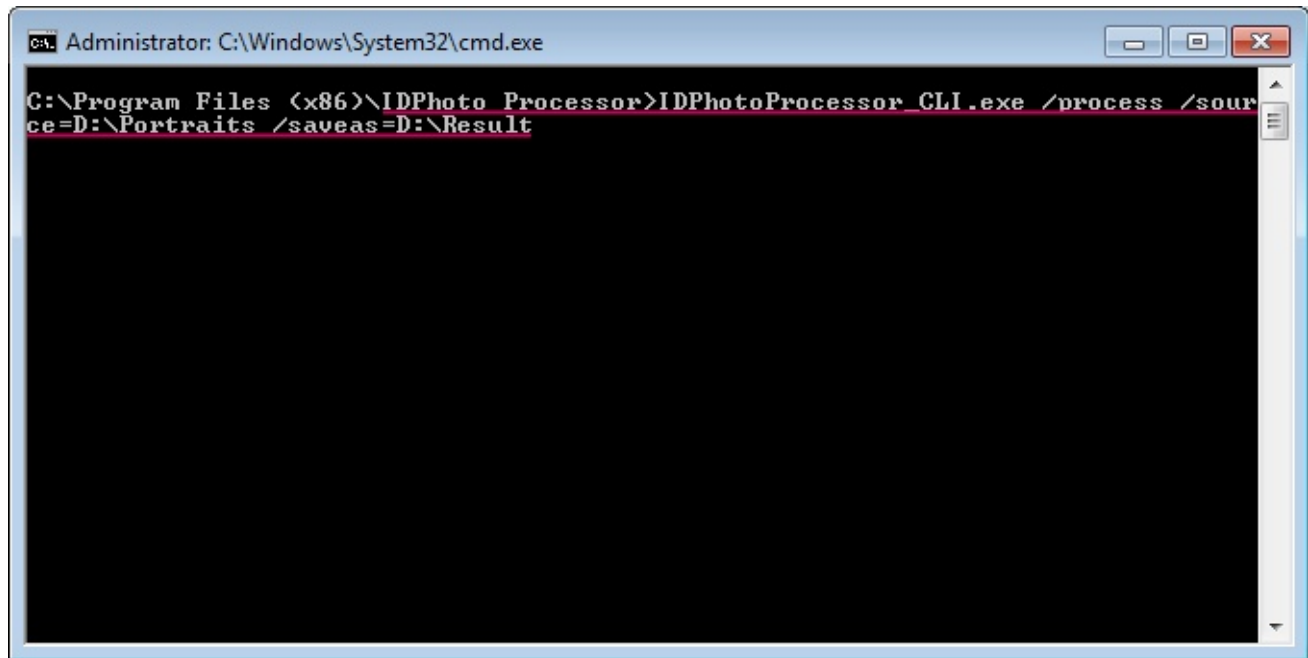
Example for processing of a directory

To process the file directory, specify the path to the directory with the source files in the **/source**

parameter and the path to the directory where the processed files are to be saved in the **/saveas** parameter.

The entry for **cmd.exe**:

`IDPhotoProcessor_CLI.exe /process /source=D:\Portraits /saveas=D:\Result`



The entry for a batch file:

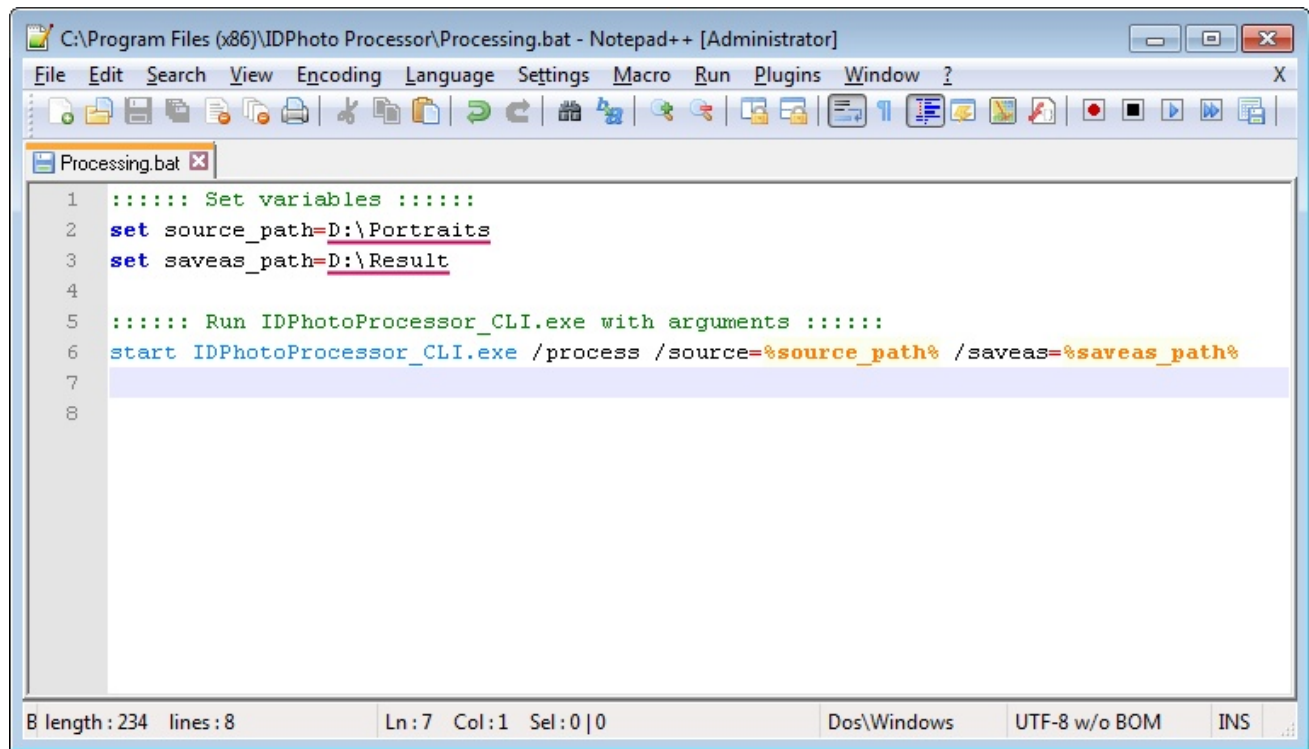
:::::: Set variables :::::

set source_path=D:\Portraits

set saveas_path=D:\Result

:::::: Run IDPhotoProcessor_CLI.exe with arguments :::::

start IDPhotoProcessor_CLI.exe /process /source=%source_path% /saveas=%saveas_path%



```
C:\Program Files (x86)\IDPhoto Processor\Processing.bat - Notepad++ [Administrator]
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
Processing.bat x
1  :::::: Set variables ::::::
2  set source_path=D:\Portraits
3  set saveas_path=D:\Result
4
5  :::::: Run IDPhotoProcessor_CLI.exe with arguments ::::::
6  start IDPhotoProcessor_CLI.exe /process /source=%source_path% /saveas=%saveas_path%
7
8
B length: 234 lines: 8      Ln: 7 Col: 1 Sel: 0|0      Dos\Windows      UTF-8 w/o BOM      INS
```

Chapter 8. Version Upgrade

Разработчики **IDPhoto Processor** регулярно добавляет в программу новые возможности, оптимизируют текущий функционал и исправляют замеченные ошибки.

IDPhoto Processor developers regularly add new options to the application, optimize the current features and fix the bugs identified.

For keeping the user always updated on a new version release, the application has a feature of checking for updates. The check can be set to the automatic or to the manual mode. In the automatic mode, the application checks availability of a new version itself and informs on it during the new start-up.

In the manual mode, the user can check for availability of a new version at his/her convenience.

It should be reminded that all the custom settings of the user from the previous version remain unchanged when installing updates.

So, let's take a look at how to check and install updates in each of the modes.

The contents of the chapter are as follows:

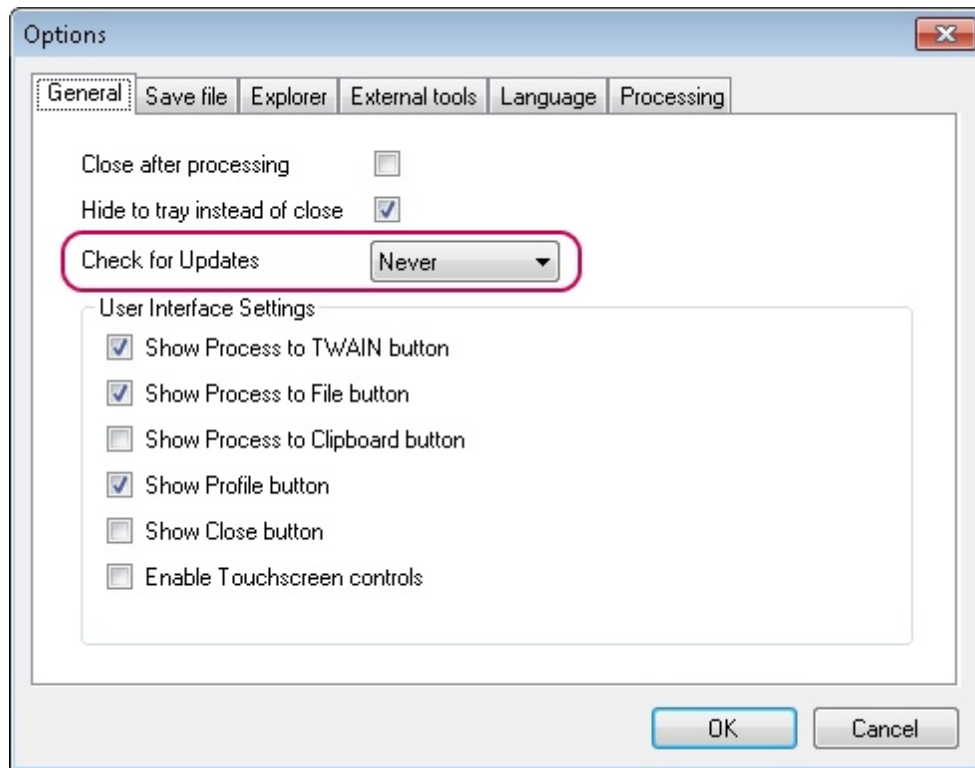
[Automatic Mode](#)

[Manual Mode](#)

[Updates Installation](#)

Automatic Mode

To enable the updates check in the automatic mode, enter the **File** menu > **Options** > **General** tab. Then, select the required value for the **Check for Updates** setting.



If the **Weekly** value is chosen, the application will check for availability of a new version each week, if **Monthly** is selected — each month, respectively. When identifying updates, the application will show the following message.

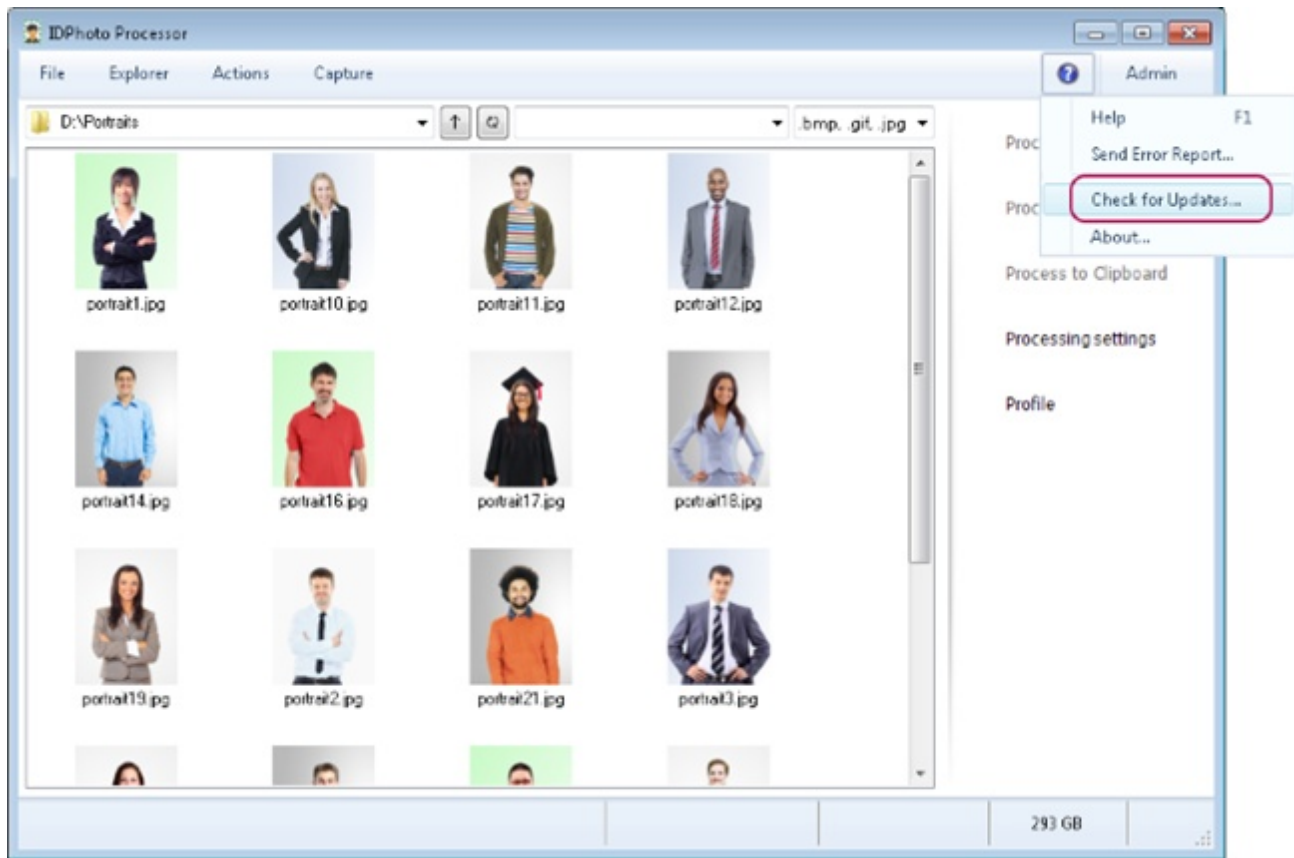


If the **Never** value is selected for the setting, the application will neither check for updates nor inform the user on release of a new version.

This option may be useful when the user prefers to check for updates manually.

Manual Mode

You can check for updates manually in the **Help** menu > **Check for Updates**.



If a new version has been released, the application will display the same message as in the automatic mode.

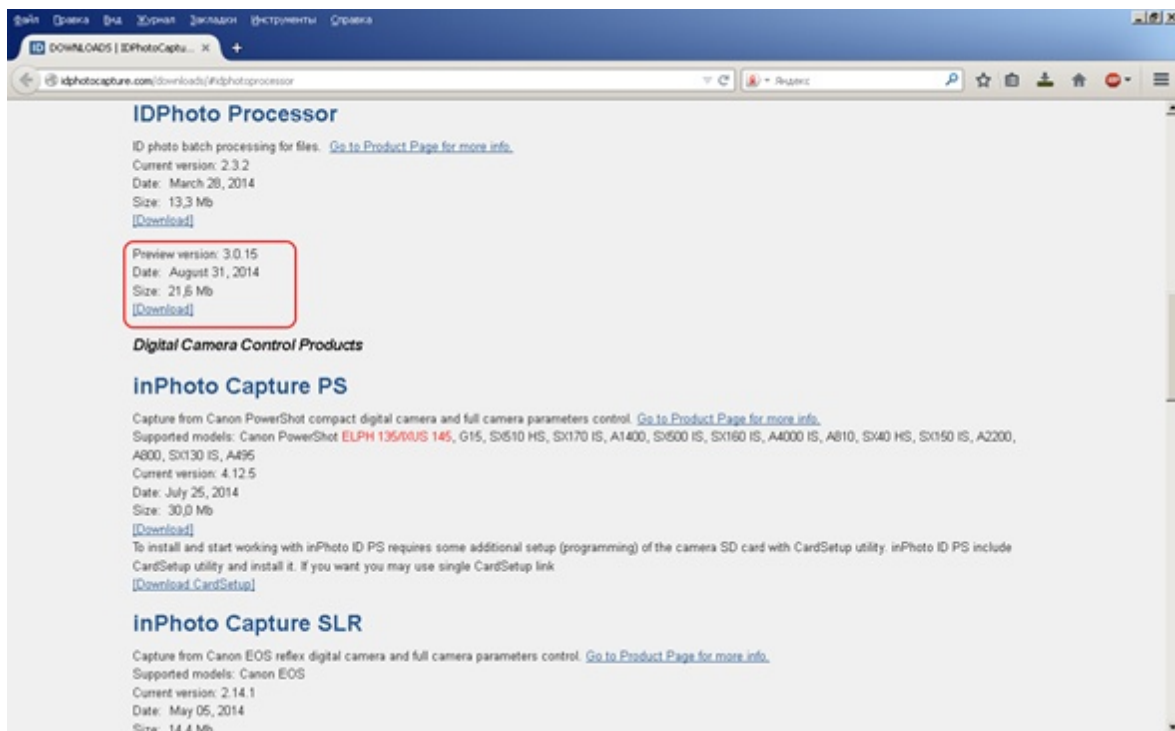


If there is no new version, the application will inform on it with the following message.



Updates Installation

So, if the application has declared a new version release in the manual or the automatic mode, press **Yes** for its installation. After this, the application will forward you to the developer's website where the link for downloading the new version of the application is available.



Download and install the application.



*More details on installing **IDPhoto Processor** may be found in the **IDPhotoProcessor Installation** chapter.*

You can see that the version of the application has been upgraded in the **About IDPhoto Processor** information window which is called up from the **Help** menu > **About**.



If you have any questions or suggestions regarding the work of the application, please write us. Please refer to the [Support](#) chapter to find out how to do it.

Chapter 9. Support

This chapter will describe where the main data on the application are located, how to call up background information, how to send an error report to the developers, how to create a request in the users support system and where to find additional information on the work with **IDPhoto Processor** and with our other products.

The contents of the chapter are as follows:

[About the Application](#)


[Help Topics](#)

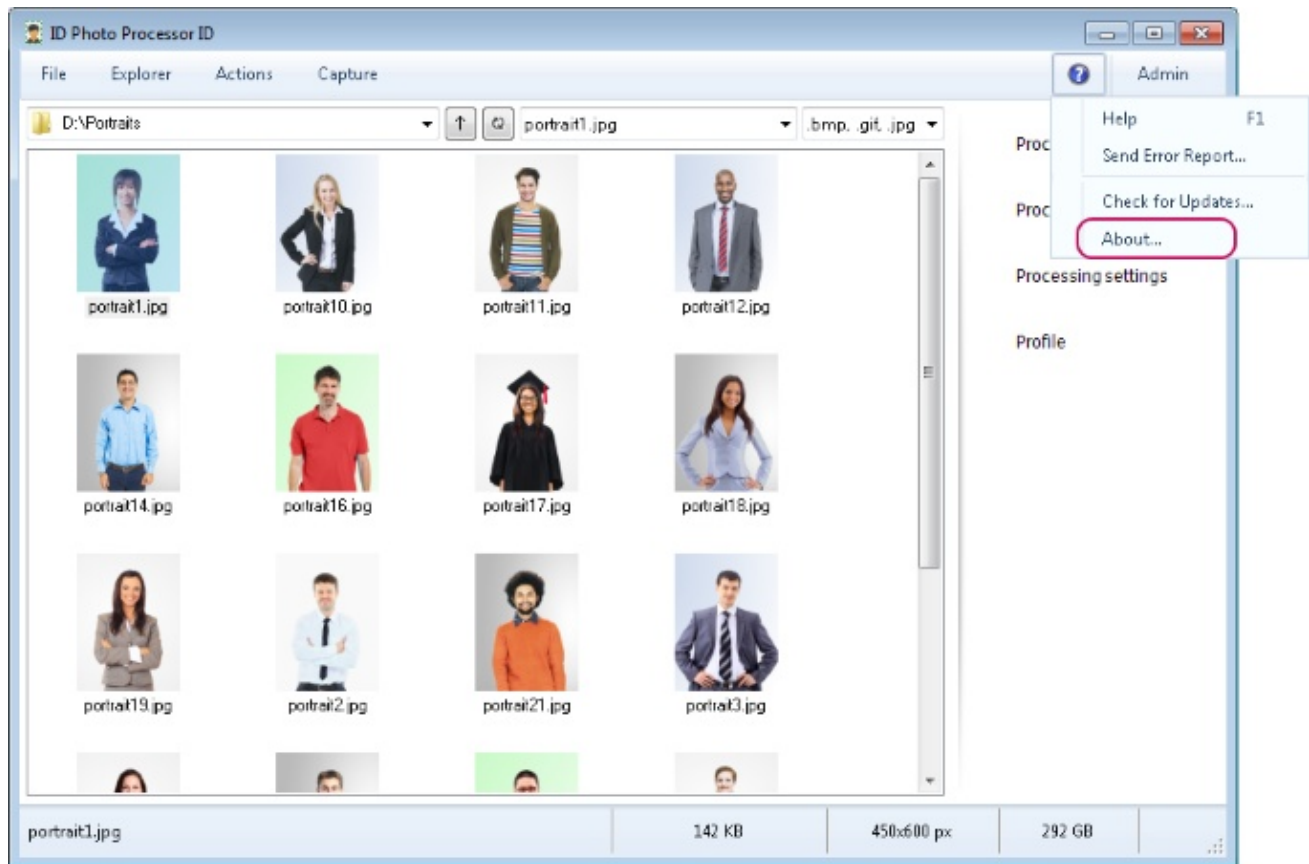
[Send an error report](#)

[Contact technical support service](#)

[Useful Information](#)

About the Application

The main information on the **IDPhoto Processor** application is located in  the main menu > **About**.




The appeared dialogue window indicates:

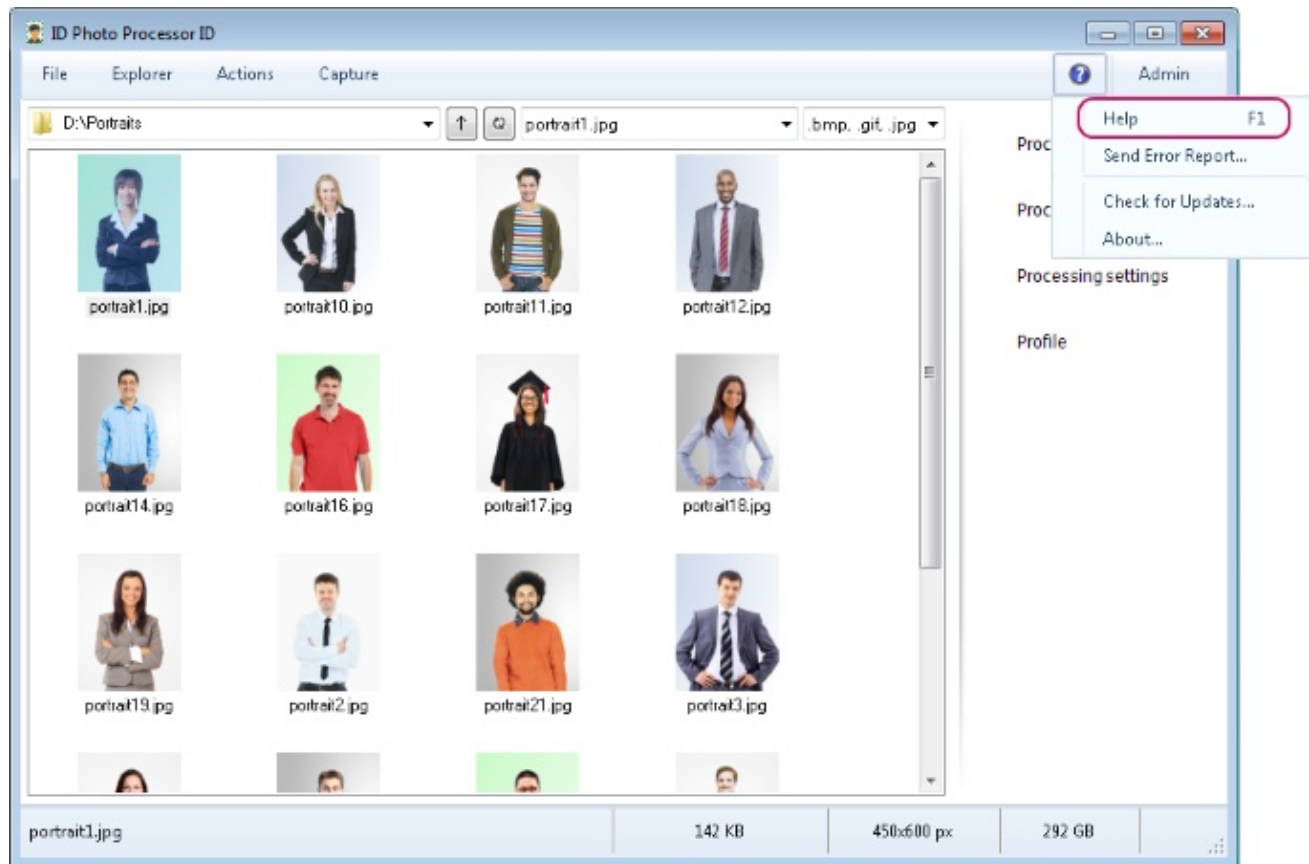
- the title of the application
- its current version
- the name of the development company
- the company's website and email address
- the serial number of the product




Help Topics

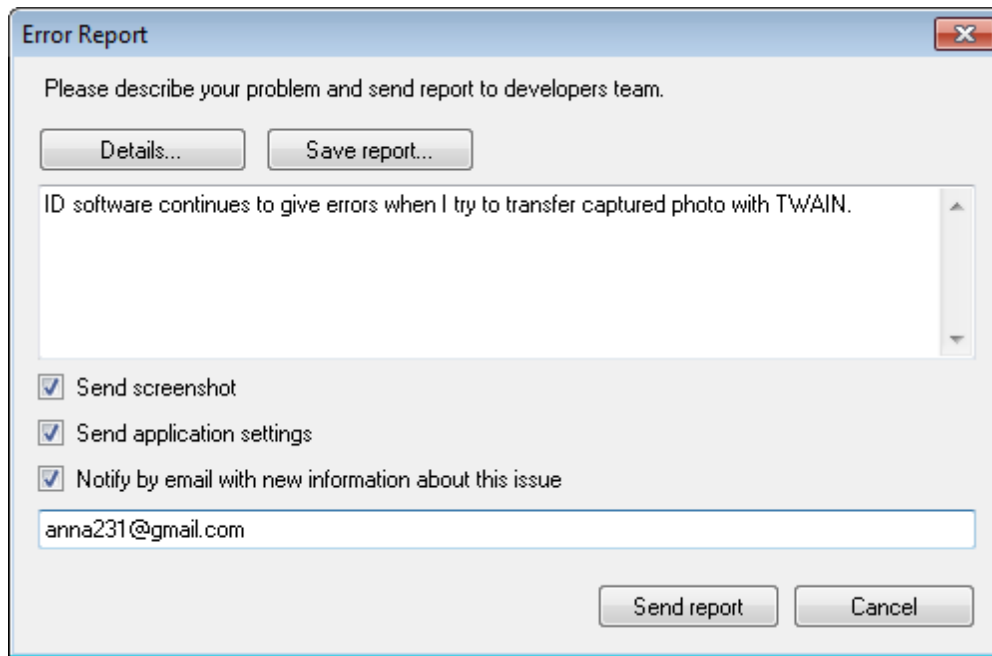
To get the necessary information at any moment of working with **IDPhoto Processor**, use the help

guide. The help guide is located in the  main menu > **Help**.



Send an Error Report

If you wish to send an error report to the developers, please access  main menu > **Send Error Report**. In the window that appears there are some options for getting more detailed description of the problem. Let's take a look at this with more details.



The **Details** button opens a log file with the description of the application status at the moment of the error and the preceding events list.

The **Save Report** button allows to save the report sending data in the text format.

The **Add comment** field is designated for describing the error. For example, on the picture above, it contains the comment "**ID software continues to give errors when I try to transfer captured photo with TWAIN**". Please note that the more detailed description is provided in the field, the quicker the developers are able to correct the error.

Send screenshot allows to take a screen shot and attach it to the report.

Send application settings sends application setting status together with the report.

If the option **Notify by email with new information about this issue** is enabled, the information regarding the error will be received onto the specified e-mail address. Please indicate your e-mail address in the report, this will help the developers to better and quicker solve problems that may arise. The address may be indicated in the field below.

After the problem has been described and the required options have been set, please press the **Send Report** button and the report will be sent.

Contact Technical Support Service

We provide users of all our products with full technical support.

You may ask a question or write about an issue using one of the following options:

1. Create a request in the support service system: <http://idphotocapture.com/support/>. This way is preferable as the request system allows to save, organize and easily track data. The algorithm of creating a request in the support system is described below in [Creating a request in the support system](#) section.
2. Via the feedback form on our website: http://idphotocapture.com/support_links/
3. Write an e-mail to the developers to the address: support@idphotocapture.com

The contents of the chapter are as follows:

[Creating a request in the support system](#)

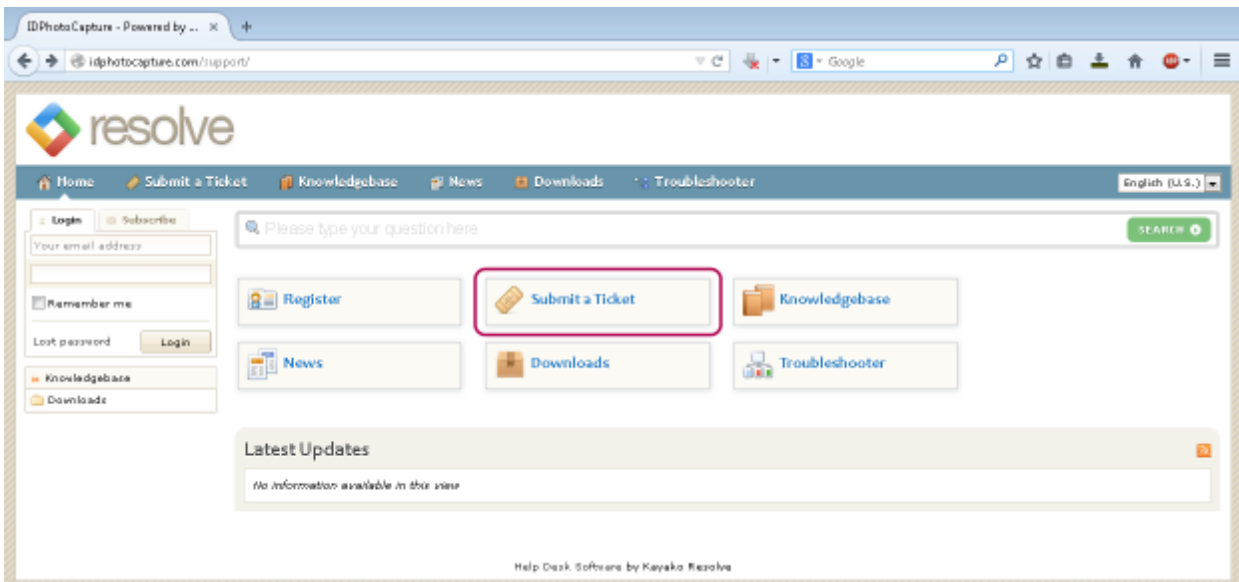
[Registration in the support system](#)

[Requests created](#)

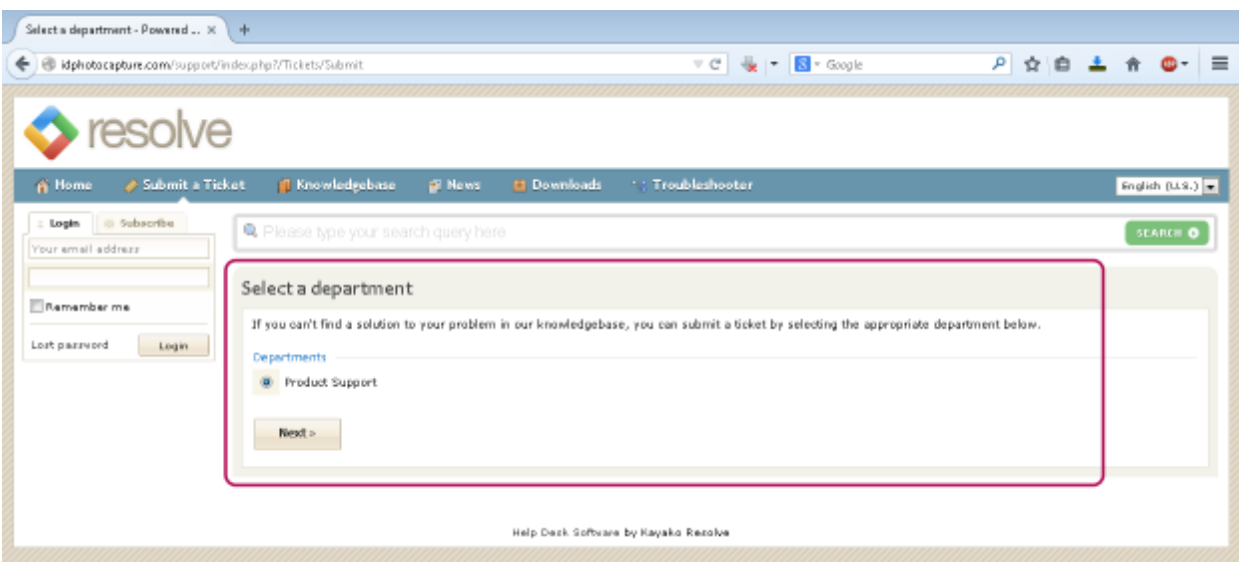
Creating a Request in the Support System

To create a request, please click the link: <http://idphotocapture.com/support/>

Then select the **Submit a ticket** button.



At this stage, check the **Product Support** box and press **Next**.



In the appeared form, fill in the fields with your data. The data on the picture are given by way of example.


Full Name — enter your name

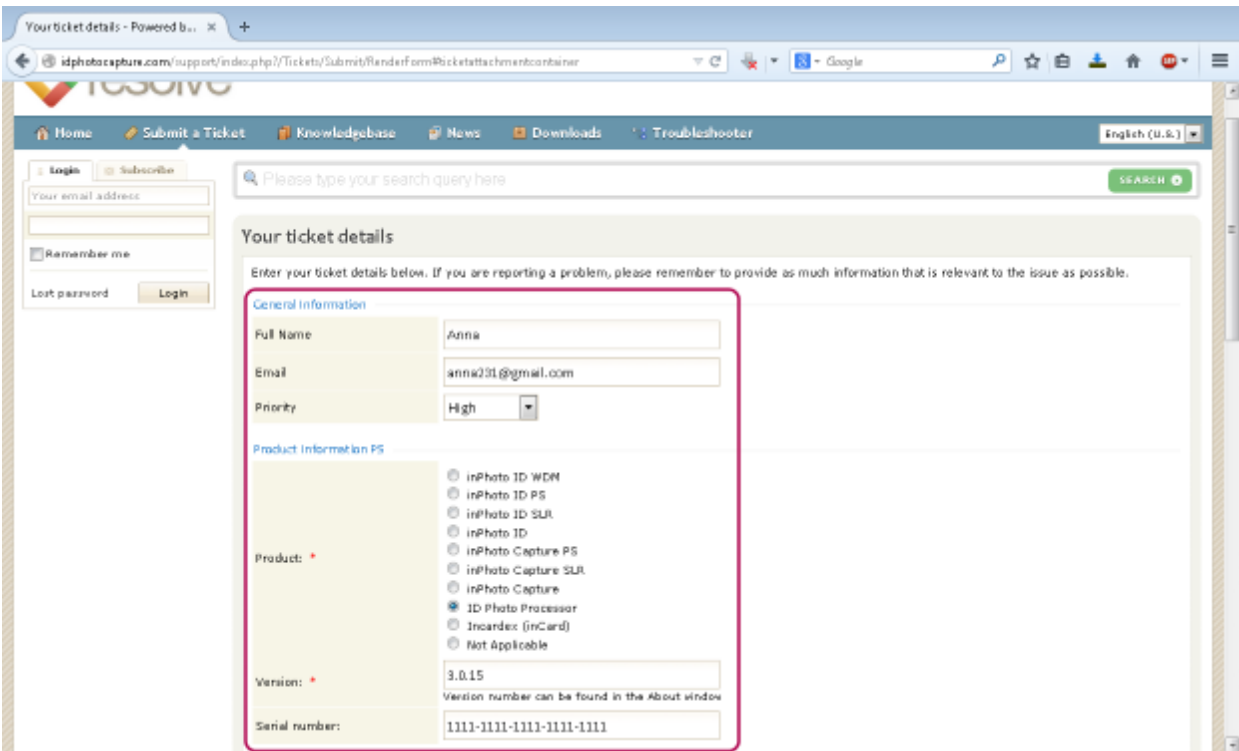
Email — enter the e-mail address to which you wish to receive information on this request

Priority — select request priority level

Product — select the name of the product in question.

Version — indicate the product version

Serial Number — enter the serial number of the product. It should be recalled that the Serial Number is indicated in the application information window located in  main menu > **About**.



The screenshot shows a web browser window with the URL `idphotocapture.com/support/index.php/Tickets/Submit/?andForm=ticketsattchementcontainer`. The page title is "Your ticket details". The form is titled "Your ticket details" and includes a search bar and a "SEARCH" button. The form fields are as follows:

General information	
Full Name	Anna
Email	anna231@gmail.com
Priority	High
Product information PS	
Product *	<input type="radio"/> inPhoto ID WDM <input type="radio"/> inPhoto ID PS <input type="radio"/> inPhoto ID SLR <input type="radio"/> inPhoto ID <input type="radio"/> inPhoto Capture PS <input type="radio"/> inPhoto Capture SLR <input type="radio"/> inPhoto Capture <input checked="" type="radio"/> ID Photo Processor <input type="radio"/> Incorder (inCard) <input type="radio"/> Not Applicable
Version *	3.0.15 <small>Version number can be found in the About window</small>
Serial number:	1111-1111-1111-1111-1111

Operation System — choose the operation system of the PC **IDPhoto Processor** is installed on.

If Other, please specify — if your operation system is not in the list provided, specify its name in this field. Also you need to indicate here other technical data which developers may need to answer your request.

If the request subject is not related to **IDPhoto Processor**, the **Camera Model** and **Printer Model** fields are not to be filled in. These fields are intended to the requests related to other our products.

Subject — indicate the request subject. In the text field below, please provide a detailed description of the question or the issue.

Your ticket details - Powered by...

idphotocapture.com/support/index.php?Tickets/Submit/RenderForm#ticketattachmentcontainer

System/hardware Information

Windows 8
 Windows 8 (x64)
 Windows 7
 Windows 7 (x64)
 Windows Vista
 Windows Vista (x64)
 Windows XP
 Windows XP (x64)
 Other
 Unknown
 Not Applicable

Operation System:

If Other, please specify:

Camera Model:

Printer Model:

Message Details

Subject:

ID software continues to give errors when I try to transfer captured photo with TWAIN.

Add File — allows to attach screen shots or other files to the request

After having completed the input, please check the data correctness and press **Submit**.

Your ticket details - Powered by...

idphotocapture.com/support/index.php?Tickets/Submit/RenderForm#ticketattachmentcontainer

ID software continues to give errors when I try to transfer captured photo with TWAIN.

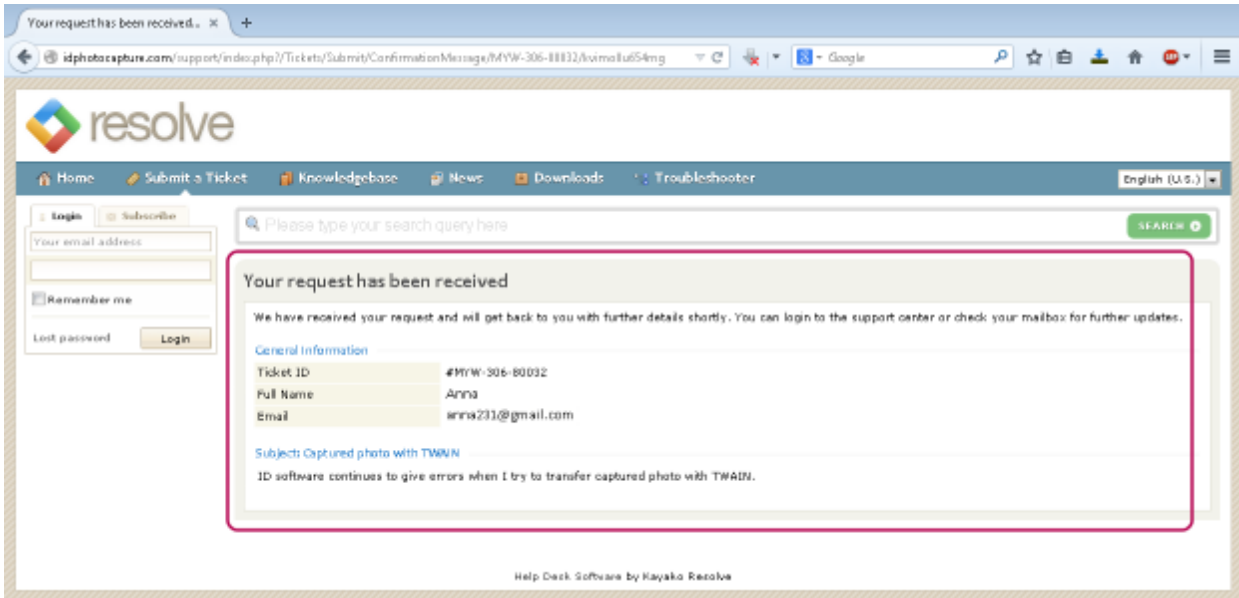
Knowledgebase suggestions

No relevant knowledgebase articles found.

Upload File(s)

Help Desk Software by Kayako Resolve

After that, the request will be accepted.



You will receive an e-mail onto the specified address, that is to confirm registration of your request. The letter will contain a link, click it and you'll be able to view the request status.



Please note that to access the request information, you need to be registered in the support system. The registration procedure is described in more details below in the [Registration in the support system](#).

Anna,

Thank you for contacting us. This is an automated response confirming the receipt of your ticket. One of our agents will get back to you as soon as possible. For your records, the details of the ticket are listed below. When replying, please make sure that the ticket ID is kept in the subject line to ensure that your replies are tracked appropriately.

Ticket ID: MYW-306-80032
Subject: Captured photo with TWAIN
Department: Product Support
Type: Issue
Status: Open
Priority: High

You can check the status of or reply to this ticket online at: <http://idphotocapture.com/support/index.php?/Tickets/Ticket/View/MYW-306-80032>

Kind regards,
 IDPhotoCapture

Support Center: <http://idphotocapture.com/support/index.php?>

The technical support service specialists will answer your request at the earliest opportunity.

Please, provide us with exact name and version of your ID software.

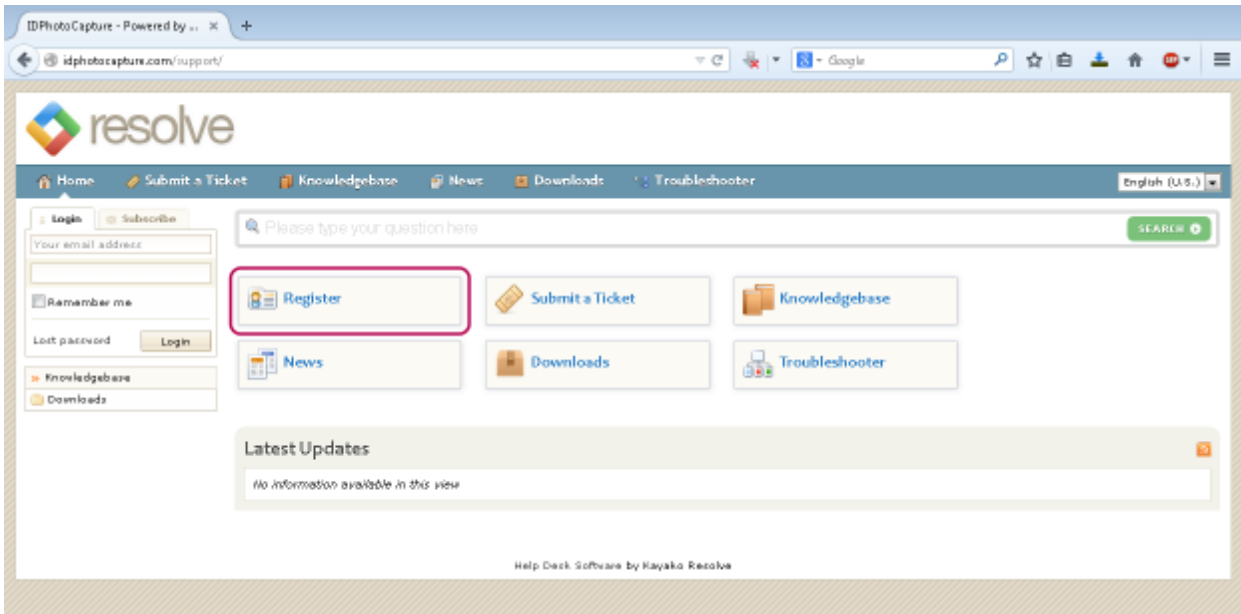
Ticket Details

Ticket ID: MYW-306-80032
 Department: Product Support
 Type: Issue
 Status: On Hold
 Priority: High

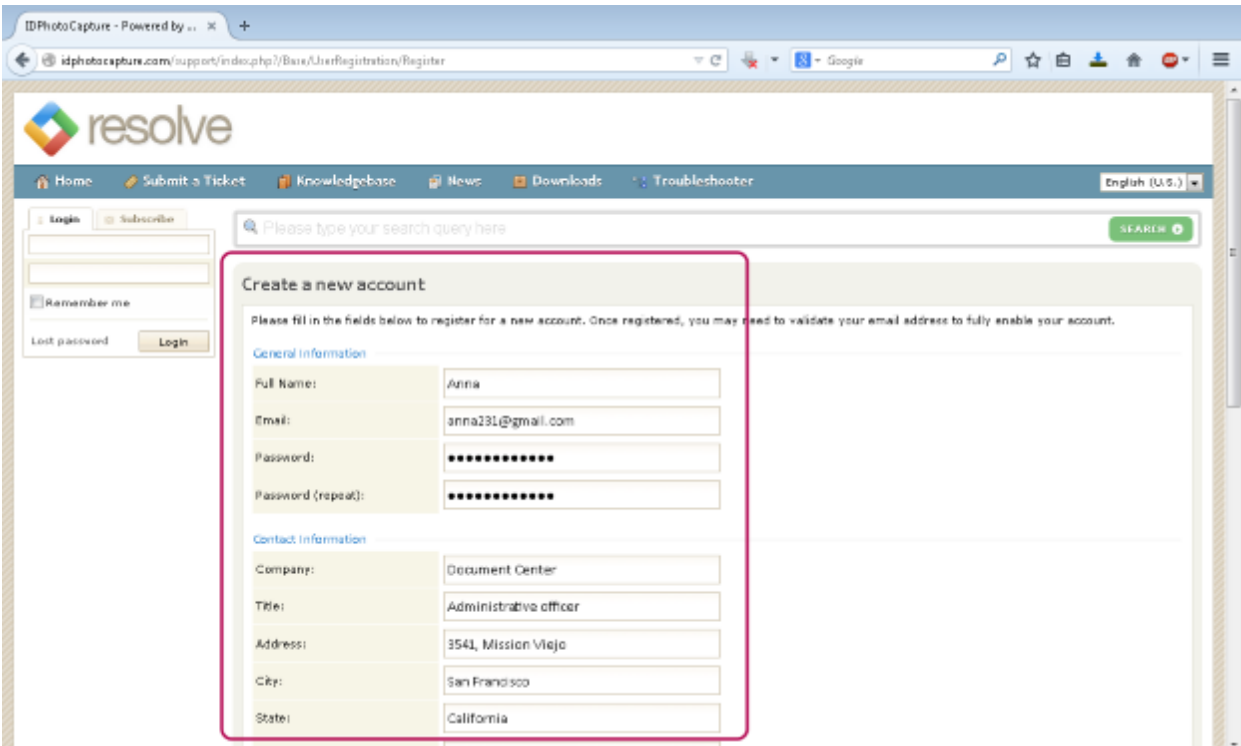
Support Center: <http://idphotocapture.com/support/index.php?>

Registration in the Support System

To register in the support system, please click the link <http://idphotocapture.com/support> and press the **Register** button.



In the appeared registration form, fill in the fields with your data. The data on the picture is given by way of example. After having completed the input, please check the data correctness and press **Sign Up**.



Country: USA

Web site: doccenter.com

Phone: +1 (714) 240-85-65

Fax: +1 (949) 425-84-22

Status/Application

Status: End User Reseller

Application(s): ID Card Software/Systems Visitor Control Software/Systems ID Photography Photography Web Design Microcopy Other

If Other, please specify:

Verify Registration

Please enter the text you see in the image into the textbox below. This is required to prevent automated registrations and form submissions.

1fnjm

Help Desk Software by Kayako Resolve

The registration is successfully completed. To enter the support service system, please enter your e-mail address and password in the login form, then press **Login**.

Home Submit a Ticket Knowledgebase News Downloads Troubleshooter English (U.S.)

Please type your search query here

Remember me

Email validation required

Thank you for registering. We have sent you an email message with an activation link. Please follow the link to verify your email address. You must complete this process before you can log in.

Registration details

Full Name: Anna

Email: anna231@gmail.com

Password: [Hidden]

Help Desk Software by Kayako Resolve

After that, a message confirming your signing up will be sent to the specified e-mail address.

This message serves as confirmation that you are now successfully registered in our support center.

Registered Email: ██████████
 Password: ██████████

You can visit the Support Desk at any time by going to <http://idphotocapture.com/support/>

Please do let us know if you have any questions.

Regards,

IDPhotoCapture

Support Center: <http://idphotocapture.com/support/index.php?>

Requests Created

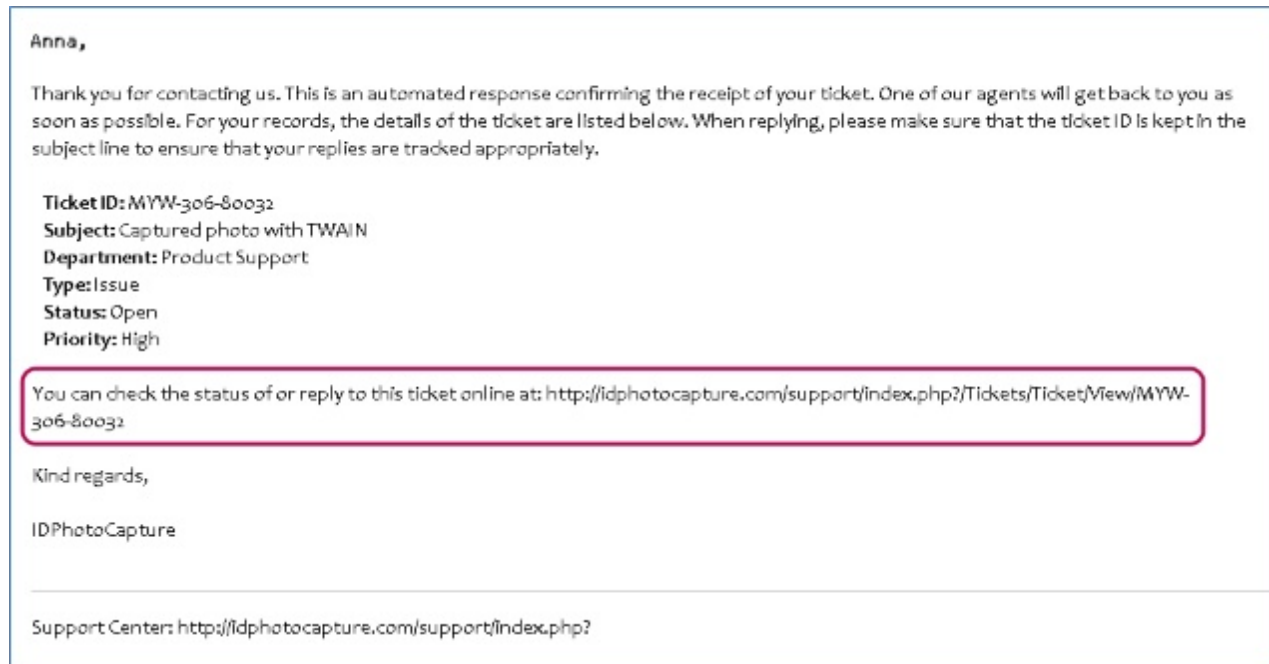


To access request information, you need to be registered in the support system.

To view, edit or check status of the request created, enter the system with your login and password. Then open the **View Tickets** section containing all data on requests.

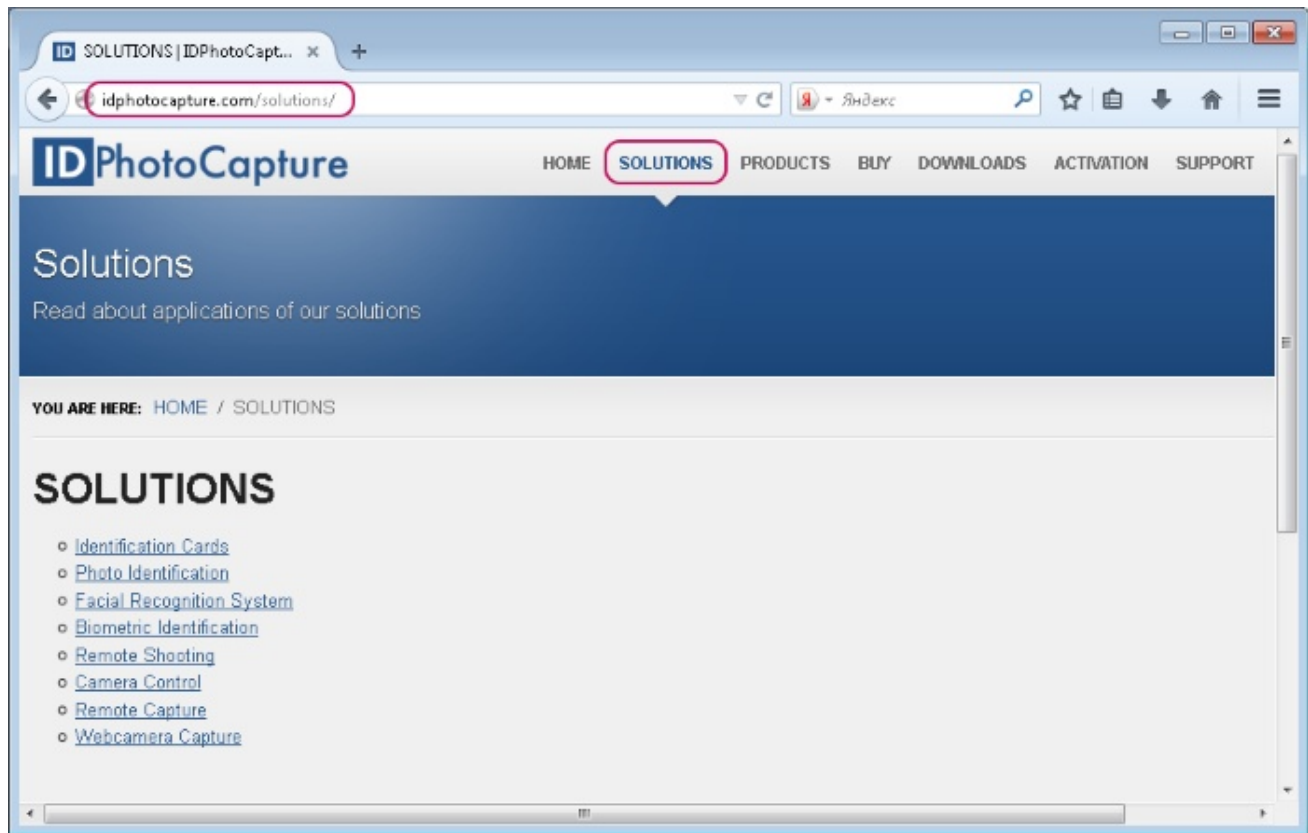
Ticket ID	Last Update	Last Replier	Department	Type	Status	Priority
Captured photo with TWAIN						
NFW-306-80032	23 September 2014 05:13 AM	Azina	Product Support	Issue	Open	High

You can also get access to a request via the link from the e-mail which the system sends to your e-mail address right after creating a request.



Useful Information

Additional information that can be useful when working with identification photos as well as answers to the most frequently asked questions can be found on our website in the **Solutions** chapter.



We recommend the users of **IDPhoto Processor** to start from the following topics:

Identification card

Describes the systems of identification card creation.

Photo identification

Gives examples of the identification cards requiring identification photos. Also the main requirements to the photos for documents are provided.

Facial Recognition Systems

Describes the way of facial recognition and the criteria that an image must meet in order to you receive high-quality processing results.

Biometric Identification

This topic is about biometric methods of personal identification in images and video. Also, the examples of tasks that may be solved with such an identification are provided.

Conclusion

We hope that working with **IDPhoto Processor** will be comfortable and productive for you.

Please contact us if

- you experience problems with the **IDPhoto Processor** operation
- you have questions, comments or suggestions in the process of using the application
- you need advice on choosing a software and a hardware for working with images

We are always here to help you.

IDPhotoCapture.com

e-mail: info@idphotocapture.com

<http://idphotocapture.com>