

# inPhoto ID Webcam

## version 3



# User Guide

**ID**PhotoCapture

2014-2017

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# Introduction

Dear User,

**Thank you for choosing inPhoto ID Webcam!**

**inPhoto ID Webcam** is an application for identification photo preparation with control functions webcam or any devices having webcam interface. **inPhoto ID Webcam** allows you to manage and to automate the whole cycle of ID photo preparation. The program takes over full webcam control, quickly and accurately detects a face on image, build and crop frame in accordance with user`s settings, save image in a folder or transfer to applications supporting the TWAIN protocol (Adobe Photoshop, Incardex, Asure ID, CardFive, ID Works, EPISuite и др.). **inPhoto ID Webcam** also has the ability to connect external tools and automatically execute additional actions needed on the processed identification image. For example, you can send the prepared ID photos by e-mail automatically.

Main features:

Webcam control, image capturing and identification photo preparation are the main functions of **inPhoto ID Webcam**. You can also manage the shooting process with voice commands.

**"Live" Preview** allows you to see how will look the processed photo. The preview shows "live" image in real time. All changes of webcam settings, the frame building settings and image resolution settings are displayed in the preview immediately.

**Face detection and Crop settings** allow to find the face area on image and to crop on this basis the future ID photo in accordance with user`s settings. For building frame, the program takes such image parameters as follows: size, dimensions, target person's position, type of frame etc.

**Image Correction** allows adjusting image brightness, contrast, gamma, and sharpness to obtain the greatest result. All changes of the correction settings for processed image may be seen on the preview.

**TWAIN image capture** allows transfer of prepared identification (ID) photos via TWAIN protocol directly to the target applications. The TWAIN protocol is supported by such apps as: **Adobe Photoshop, Incardex, Asure ID, CardFive, ID Works, EPISuite** etc.

**Save to File** allows you to save acquired images to file and set desired file name and folder manually or automatically. The file name consist of a prefix entered by the user, the shooting date and image number. The folder may include the current date that allow to create an easy-to-use archive of electronic images located on the disk.

**External tools connection** allows to connect an external app to **inPhoto ID Webcam** to automatically execute required additional actions with the processed images without interim saving or any other actions by the user. Such feature is used to automatize identification photo preparation as much as possible.

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 **inPhoto ID Webcam** 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.

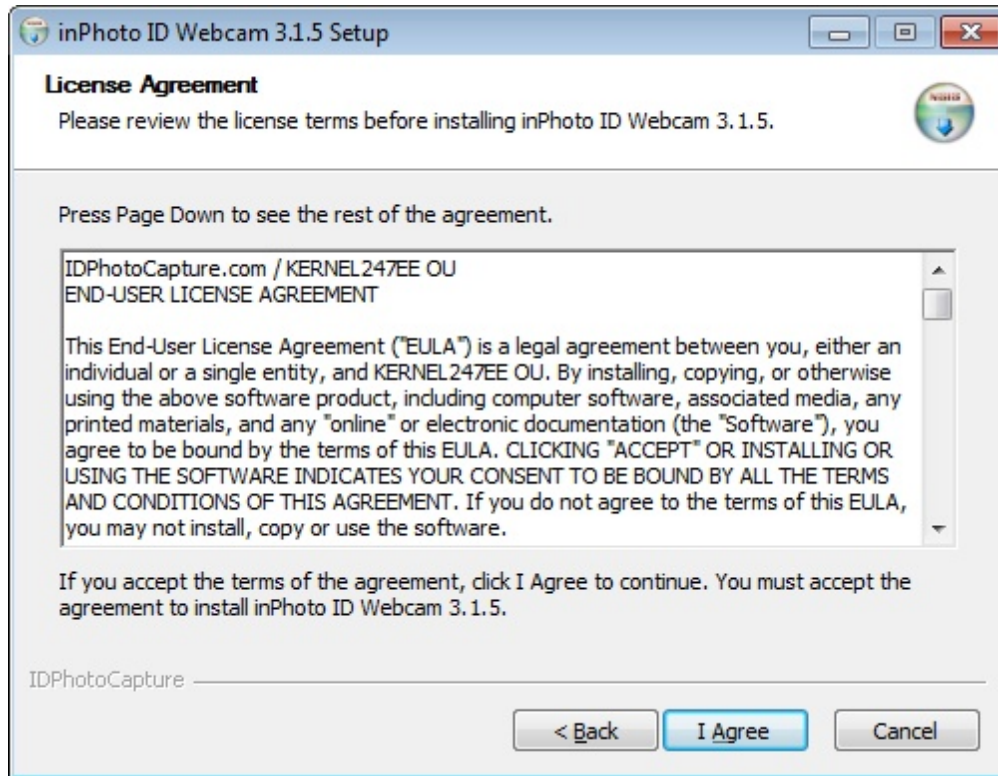
**Step 1.** Select the language of the application interface in the window appeared and press **OK**.



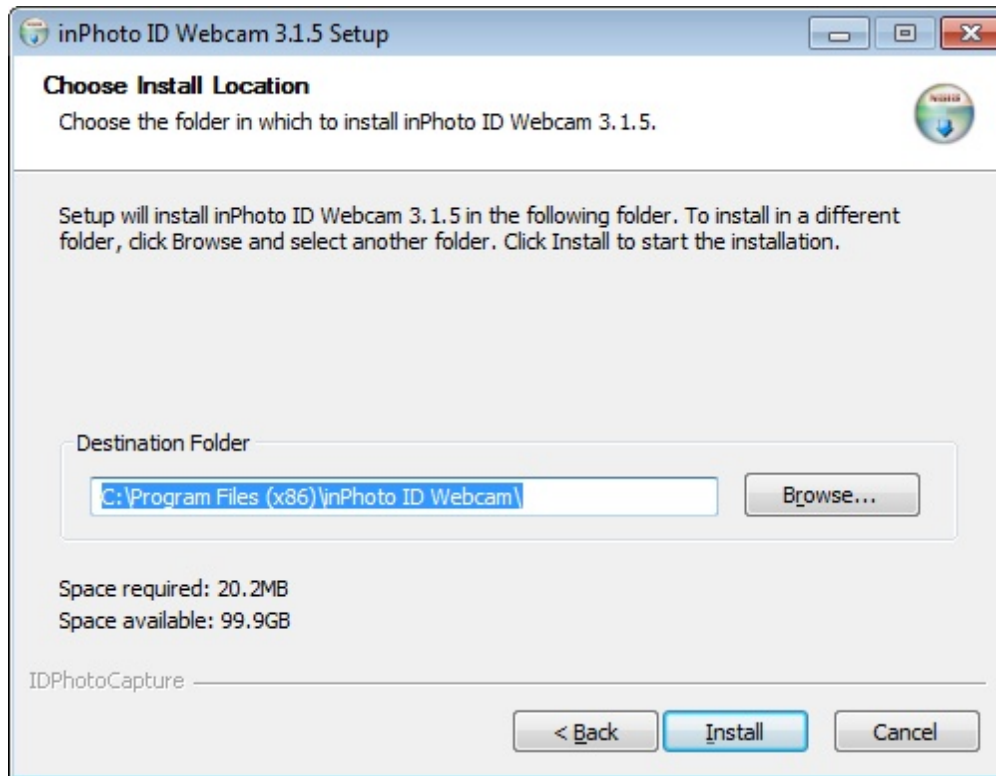
**Step 2.** In the next window, the wizard recommends you to close all the active applications. This will enable the application to update system files without restarting the PC. Press **Next** to continue the installation.



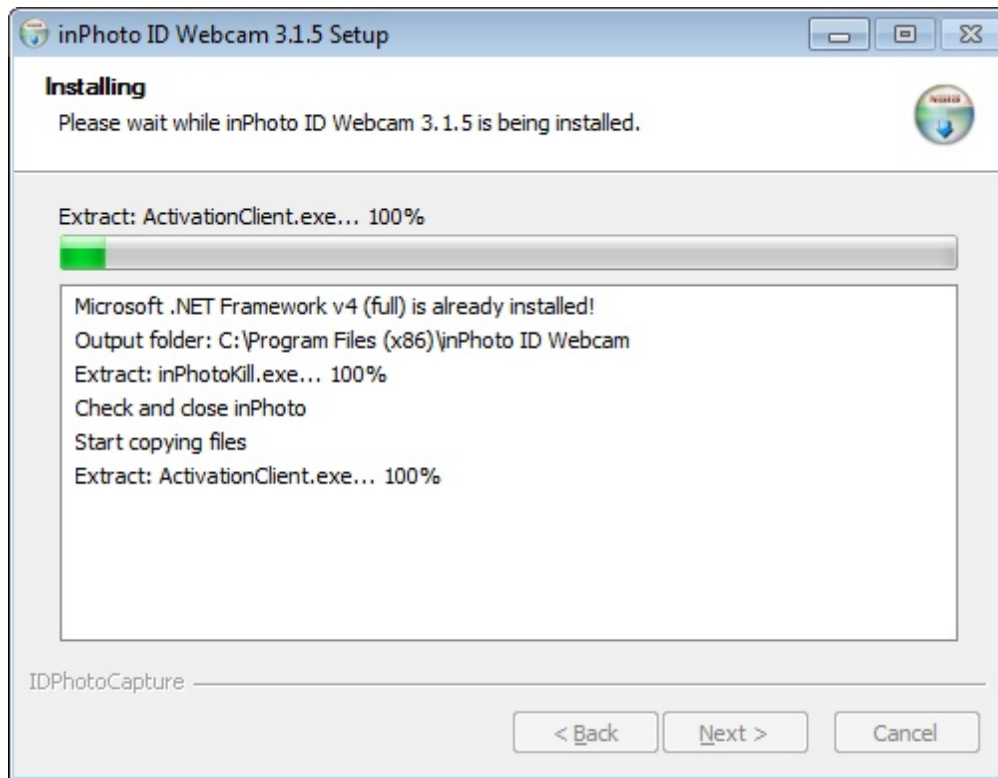
**Step 3.** At this step, you should read the licence agreement. Read it carefully and press **I agree** if you agree with all the clauses. Once this is done, the installation of the application will continue. If the licence agreement is not accepted, the installation will be cancelled.



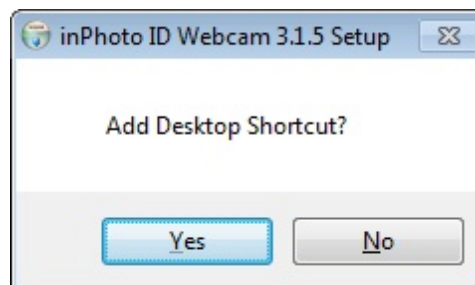
**Step 4.** At next stage, the wizard offers selecting a folder to which the application will be installed. Press **Install** to start installing the application.



**Step 5.** Then, 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.

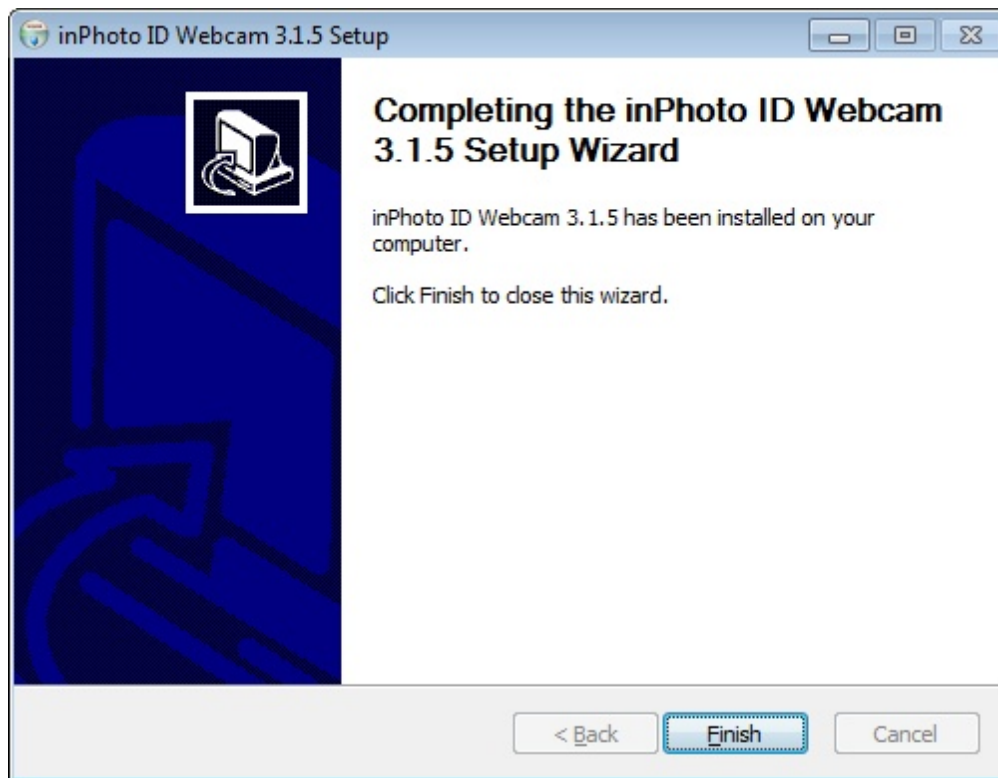


**Step 6.** The next action the wizard will offer creating a desktop shortcut for the application. The application shortcut is added to the **Start** menu and to the list of **TWAIN** drivers in any case during the installation. If you also wish to add the shortcut to the desktop, press **Yes**, if the 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! **inPhoto ID Webcam** has been installed. Run the **inPhoto.exe** application file to start working with the application.

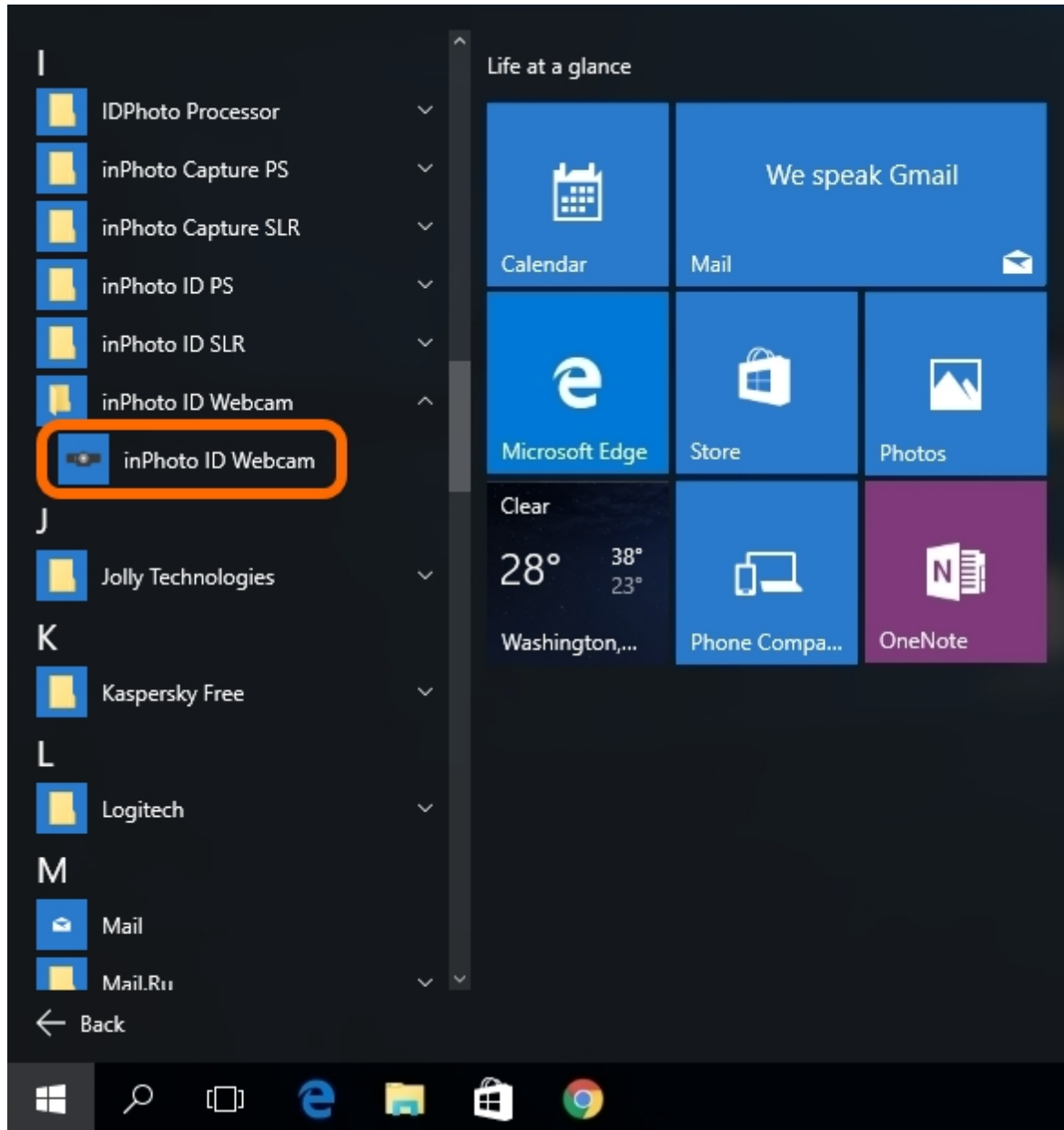
The next [Start-up](#) chapter describes how to start up **inPhoto ID Webcam**.

# Start-up

inPhoto ID Webcam can be started in several ways:

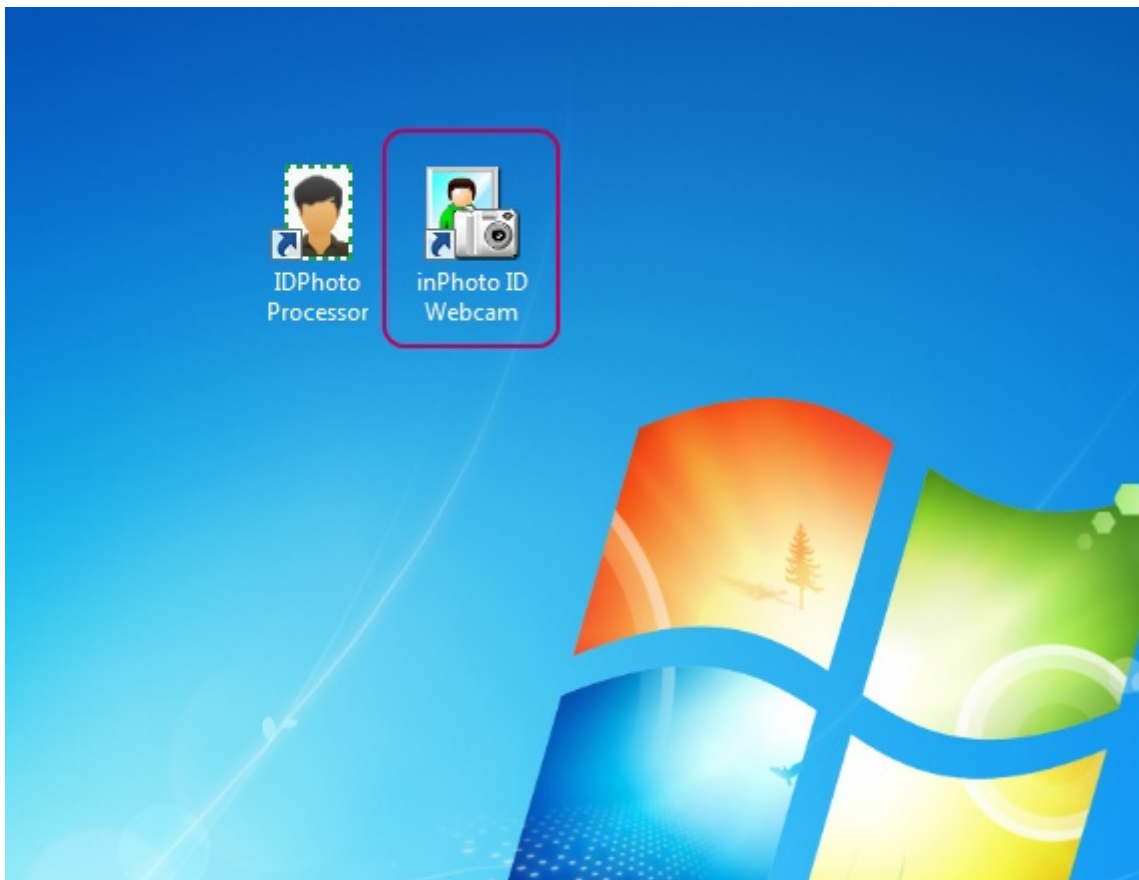
## 1. Starting up inPhoto ID Webcam from Start Menu.

For doing this, enter the **Start** menu -> **All Apps** -> **inPhoto ID Webcam** group menu and choose **inPhoto ID Webcam**.



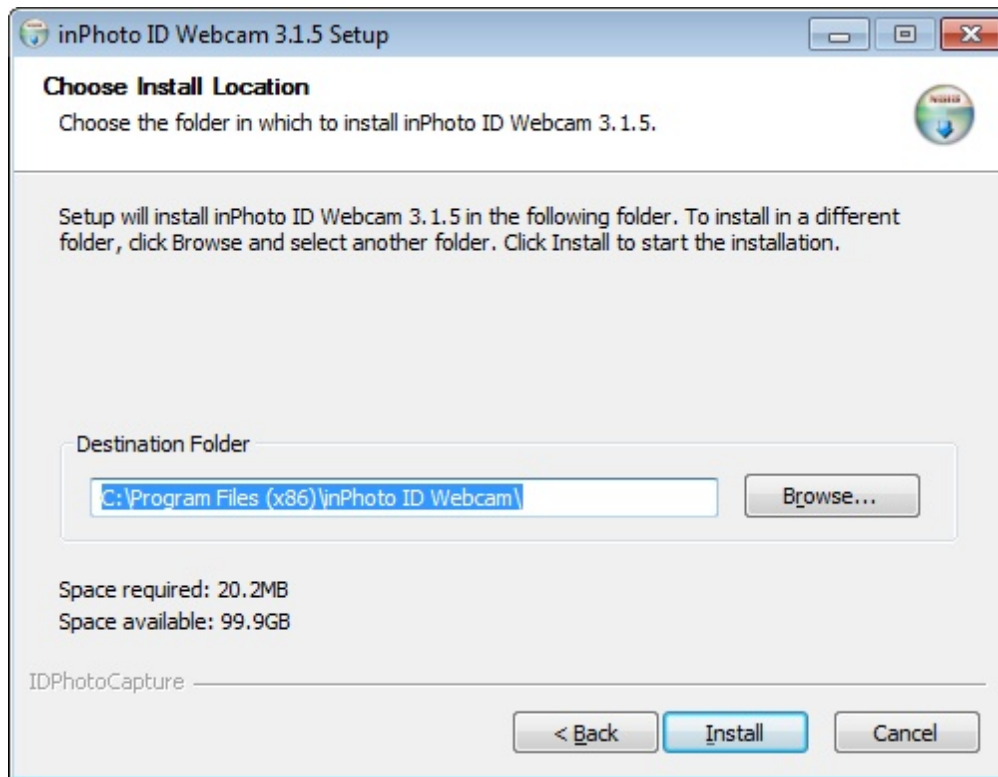
## 2. Starting up inPhoto ID Webcam from the Desktop.

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 inPhoto ID Webcam from the Application Folder.

Open the folder to which the application has been installed (this is **C:\Program Files\inPhoto ID Webcam** by default) find **inPhoto.exe** and start up it by double-clicking.



### 4. Starting up inPhoto ID Webcam via TWAIN Connection.

**inPhoto ID Webcam** 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

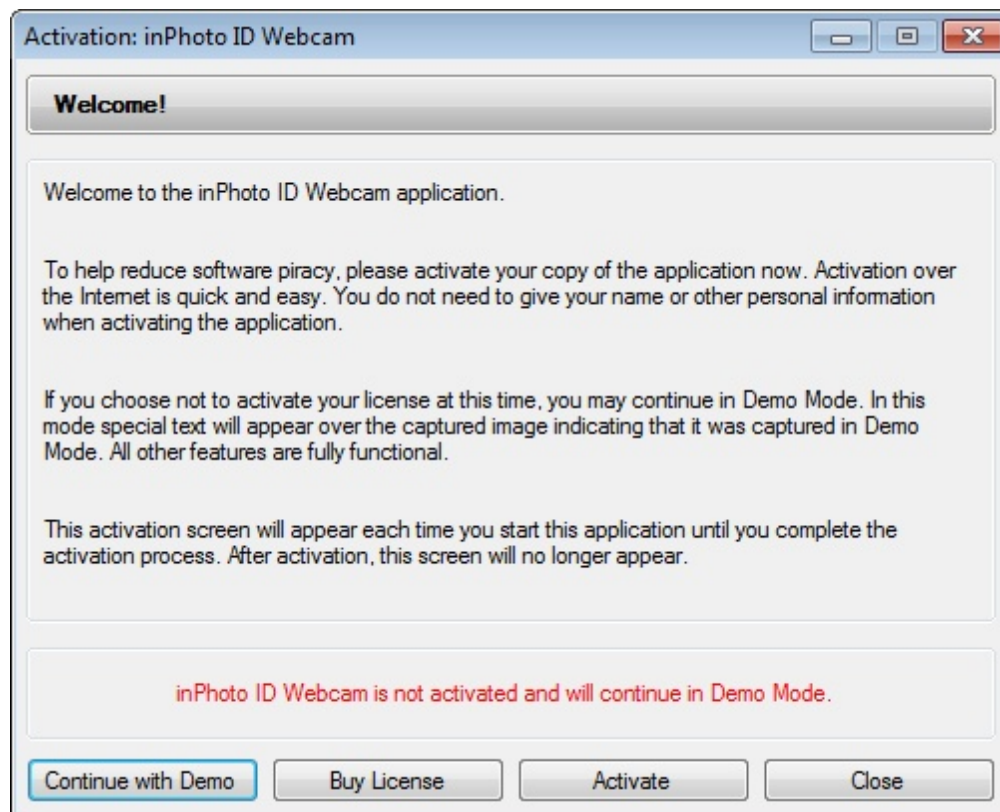
When starting up **inPhoto ID Webcam** for the first time, the activation wizard window will appear. Here you can choose to:

- 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](#)

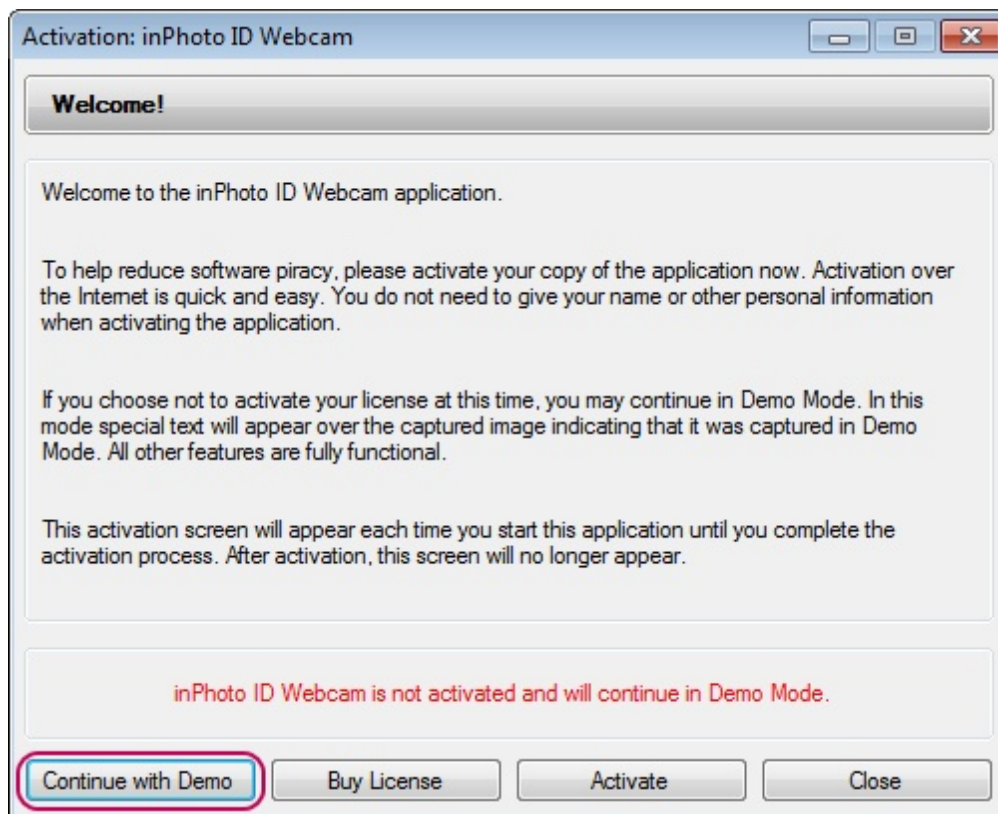
## Demo Mode

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.

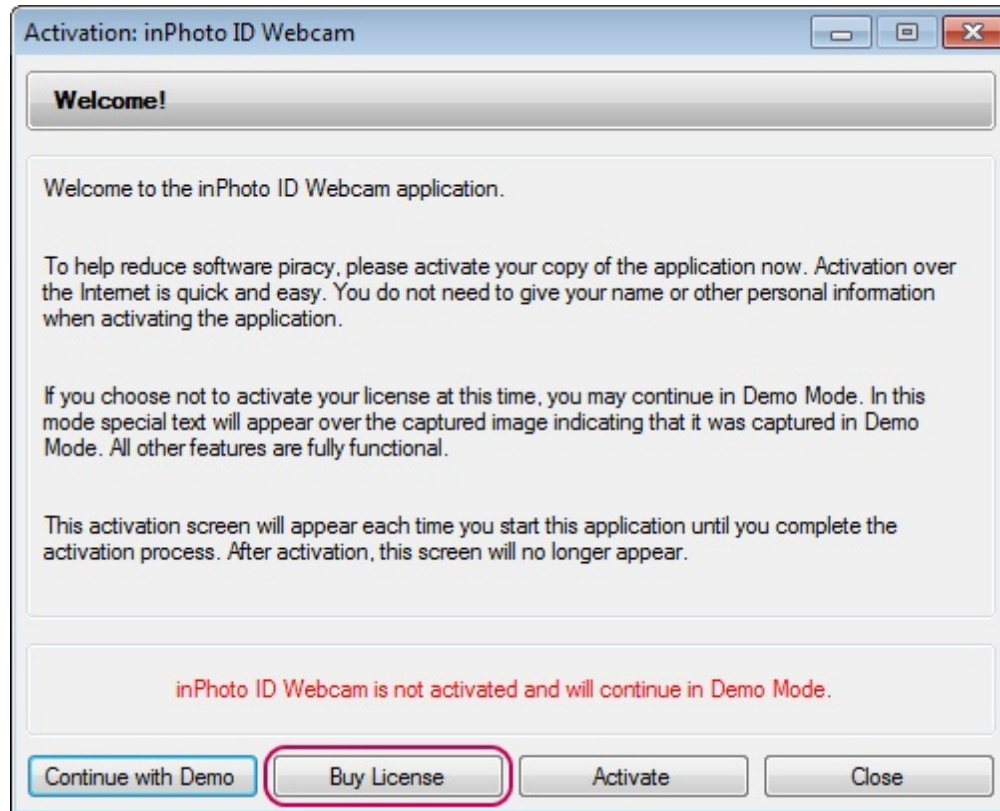
The demo mode allows trying the application at work and assessing its capabilities before purchasing.

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

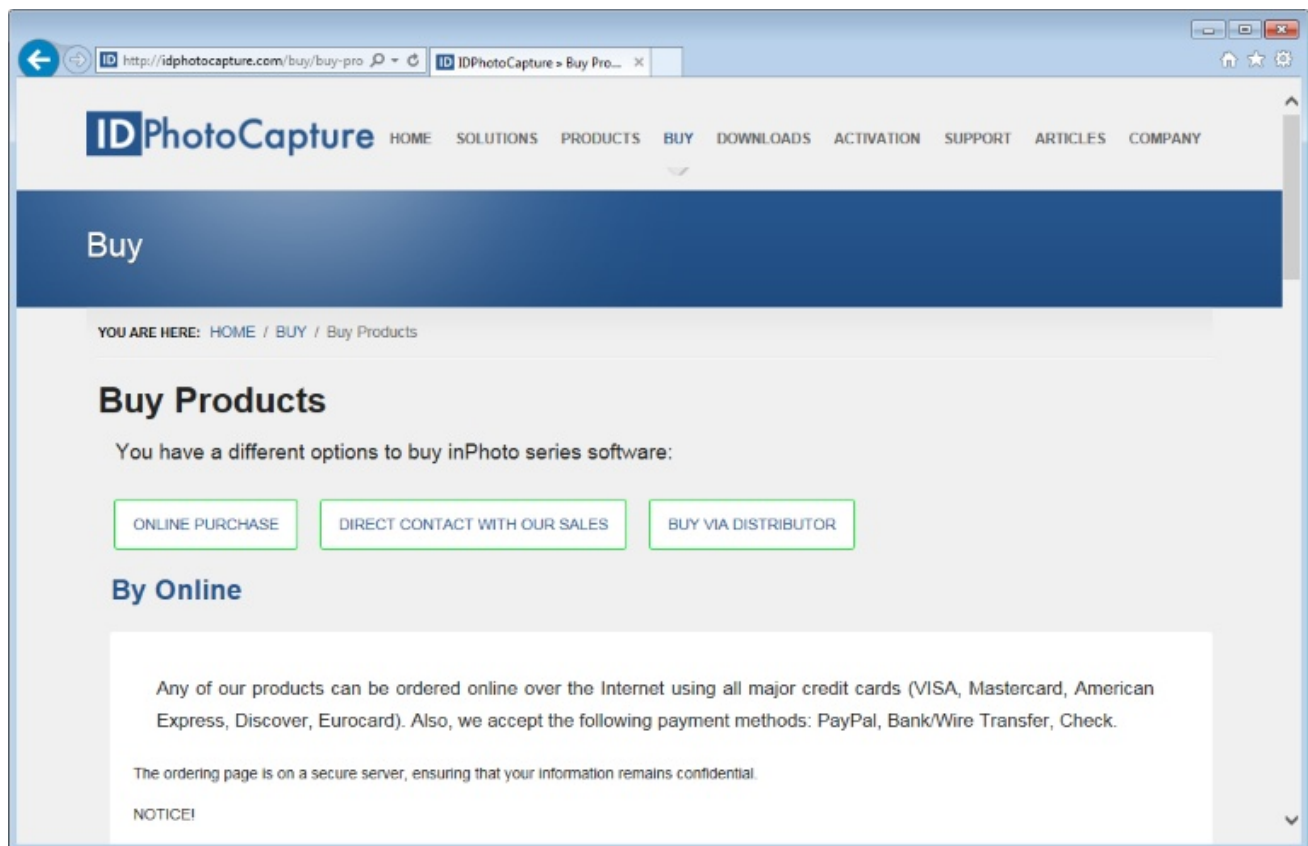


## Purchase of the Licence

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.

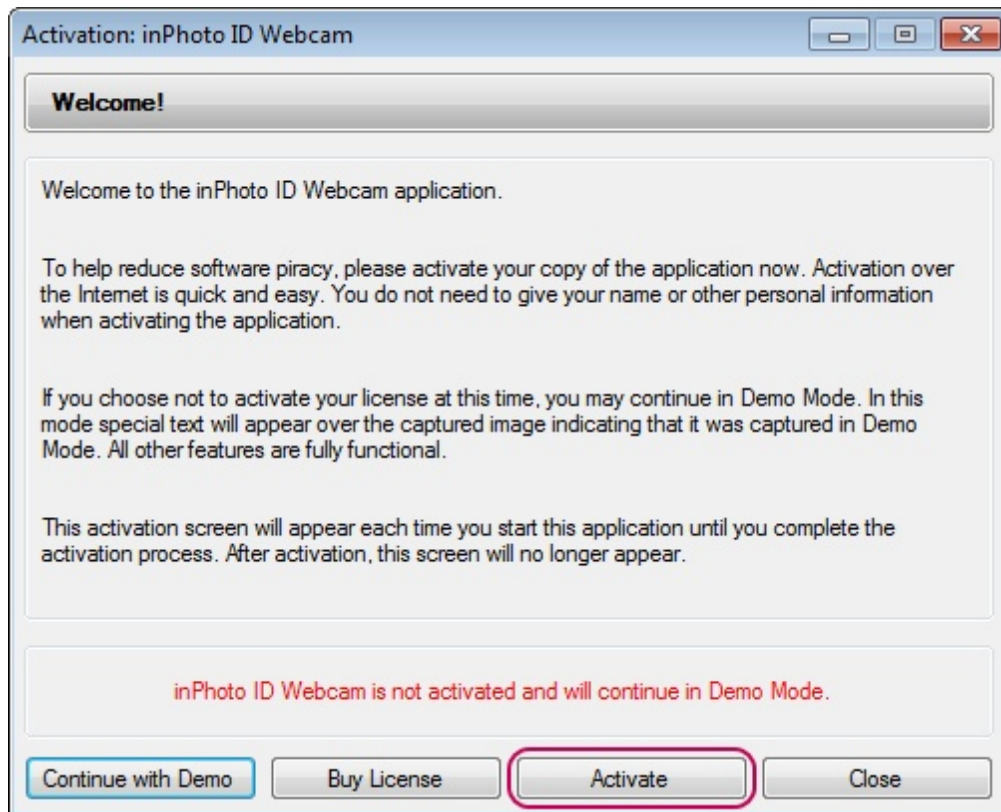


## Activation Online



*This way of activation requires Internet connection.*

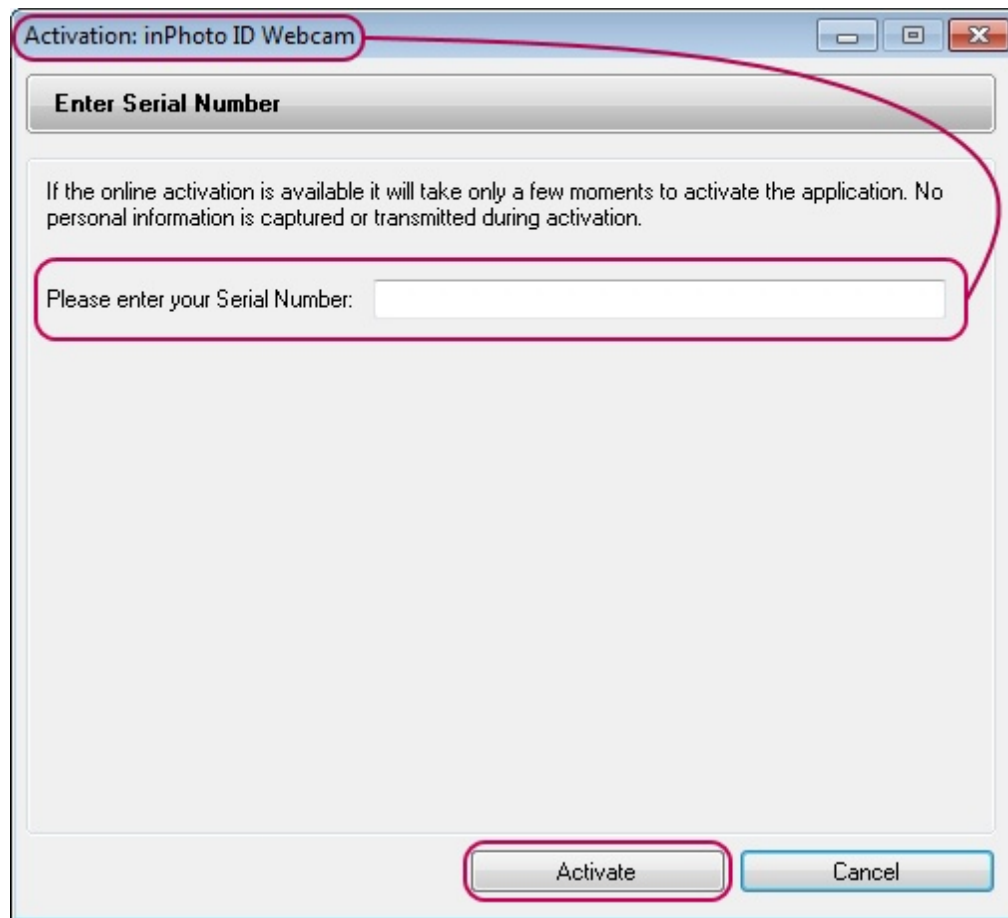
Upon initial launch of **inPhoto ID Webcam**, an activation wizard window appears. Press the **Activate** button to start activation of the application.



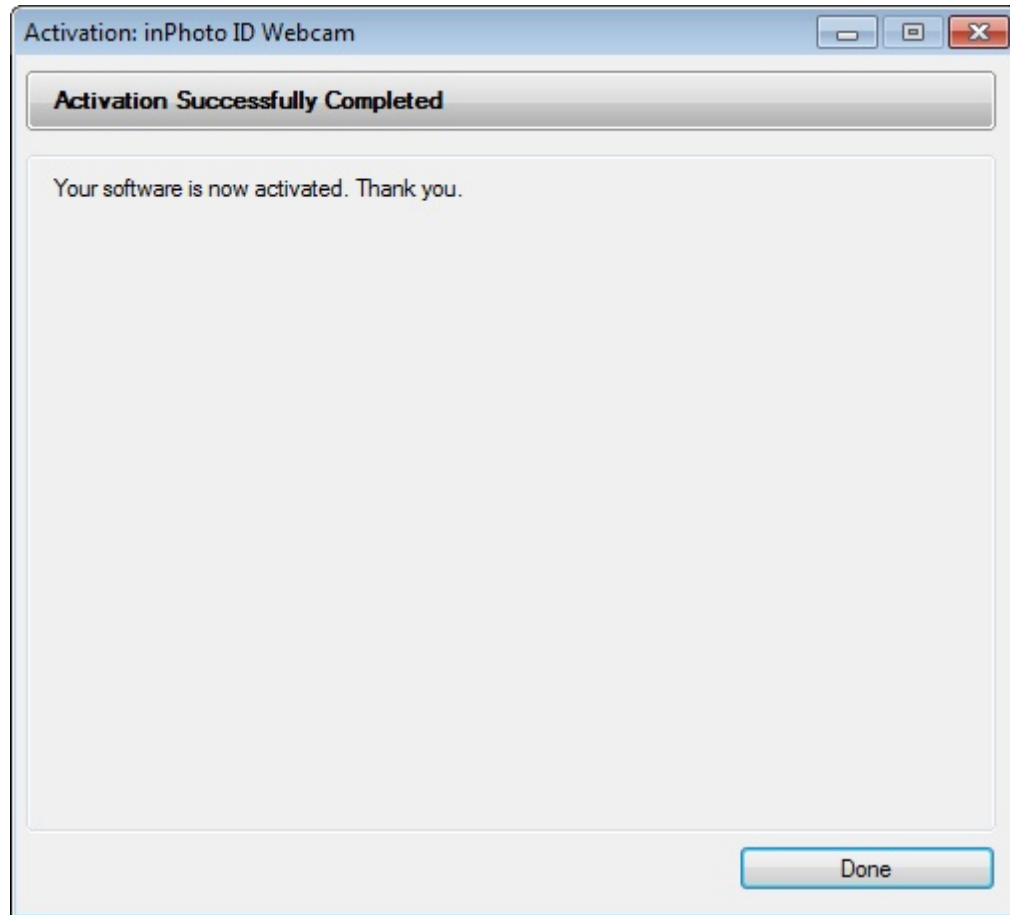


Please verify the name of the application being activated is the same as the name of the application indicated with the Serial Number.

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:

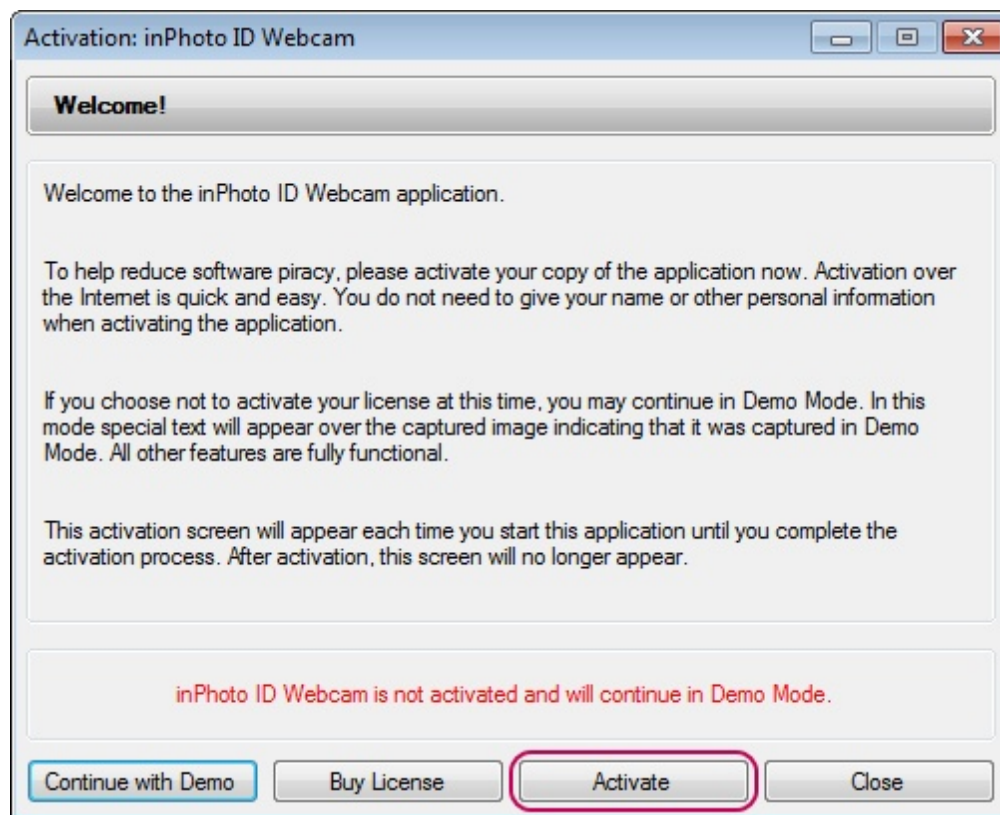


If the PC is not connected to Internet, **Offline** activation window will appear.

## Activation Offline

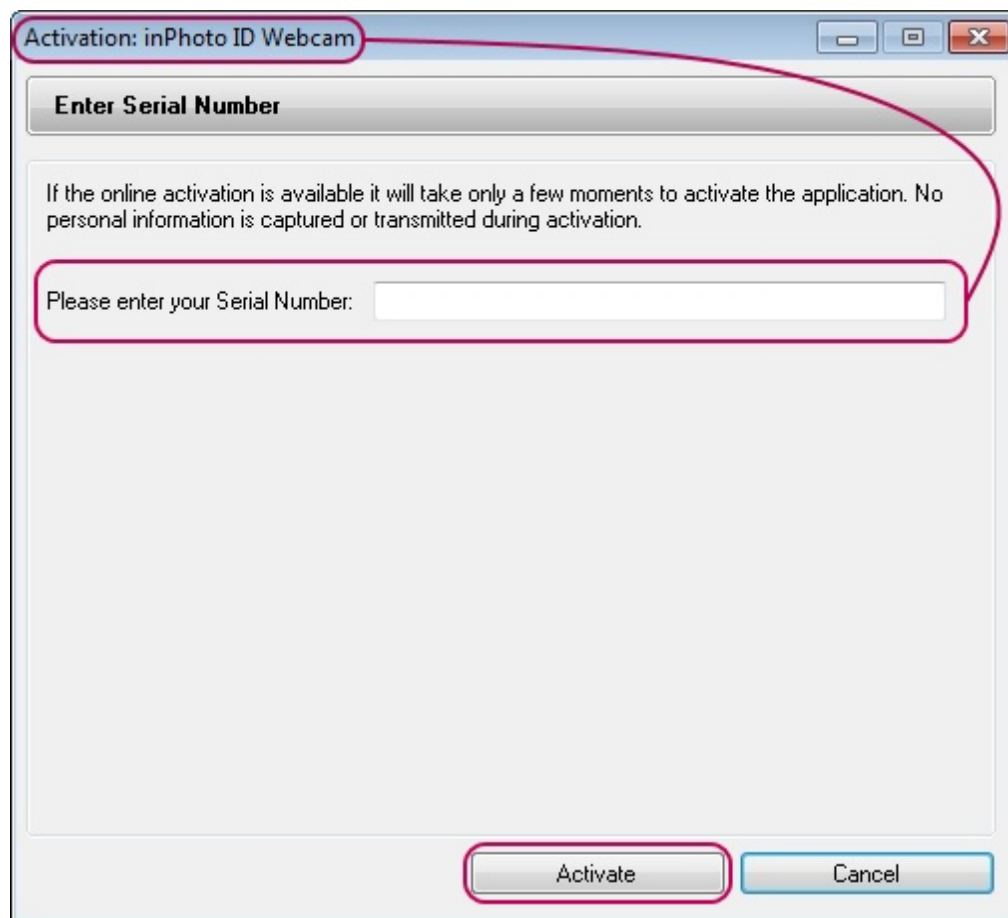
If the PC on which **inPhoto ID Webcam** is to be activated is not connected to Internet, then make use of the **Offline** activation. In such case, Serial Number validation is carried out via server, by the same way as when the **Online** activation is used. The difference is that you may use any PC or device with Internet connection for sending the Serial Number. It is not mandatory to be the PC **inPhoto ID Webcam** 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 **inPhoto ID Webcam** activation window. This can be done within any time period.

Upon initial launch of **inPhoto ID Webcam**, 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 **inPhoto ID Webcam** activation window. You may complete the **Offline** activation at your convenience.

The screenshot shows a window titled "Activation: inPhoto ID Webcam". Inside, there is a section titled "Offline Activation". Below this title, a message states: "No connection was detected with activation server. Please follow the steps bellow to activate your software. You will need to access a computer with an Internet connection to finish the activation. If this is not possible, please contact your reseller." Below the message, there are four numbered steps:

1. Your Serial Number and Activation Code listed below. Write it down or copy.
  - Serial Number: 1111-1111-1111-1111-1111
  - Activation Code: 1111-1111-1111-1111-1111-1111-1111
2. From any computer with an Internet connection, open the activation page.
  - <http://www.marssystems.com/activation/inphoto> >>
3. On this page, enter both your Serial Number and Activation Code above. The activation server will then give you Authentication code. Write down or copy this code and return to this computer.
4. Enter your Authentication code and then press the Activate button.

At the bottom of the window, there are two buttons: "Activate" and "Cancel".

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.**



*You can open the activation page on any Internet connected device: a laptop, a tablet, a smartphone, etc.*

Activation: inPhoto ID Webcam

**Offline Activation**

No connection was detected with activation server. Please follow the steps bellow to activate your software. You will need to access a computer with an Internet connection to finish the activation. If this is not possible, please contact your reseller.

1. Your Serial Number and Activation Code listed below. Write it down or copy.

Serial Number: 1111-1111-1111-1111-1111

Activation Code: 1111-1111-1111-1111-1111-1111-1111

2. From any computer with an Internet connection, open the activation page.

<http://www.marssystems.com/activation/inphoto> >>

3. On this page, enter both your Serial Number and Activation Code above. The activation server will then give you Authentication code. Write down or copy this code and return to this computer.

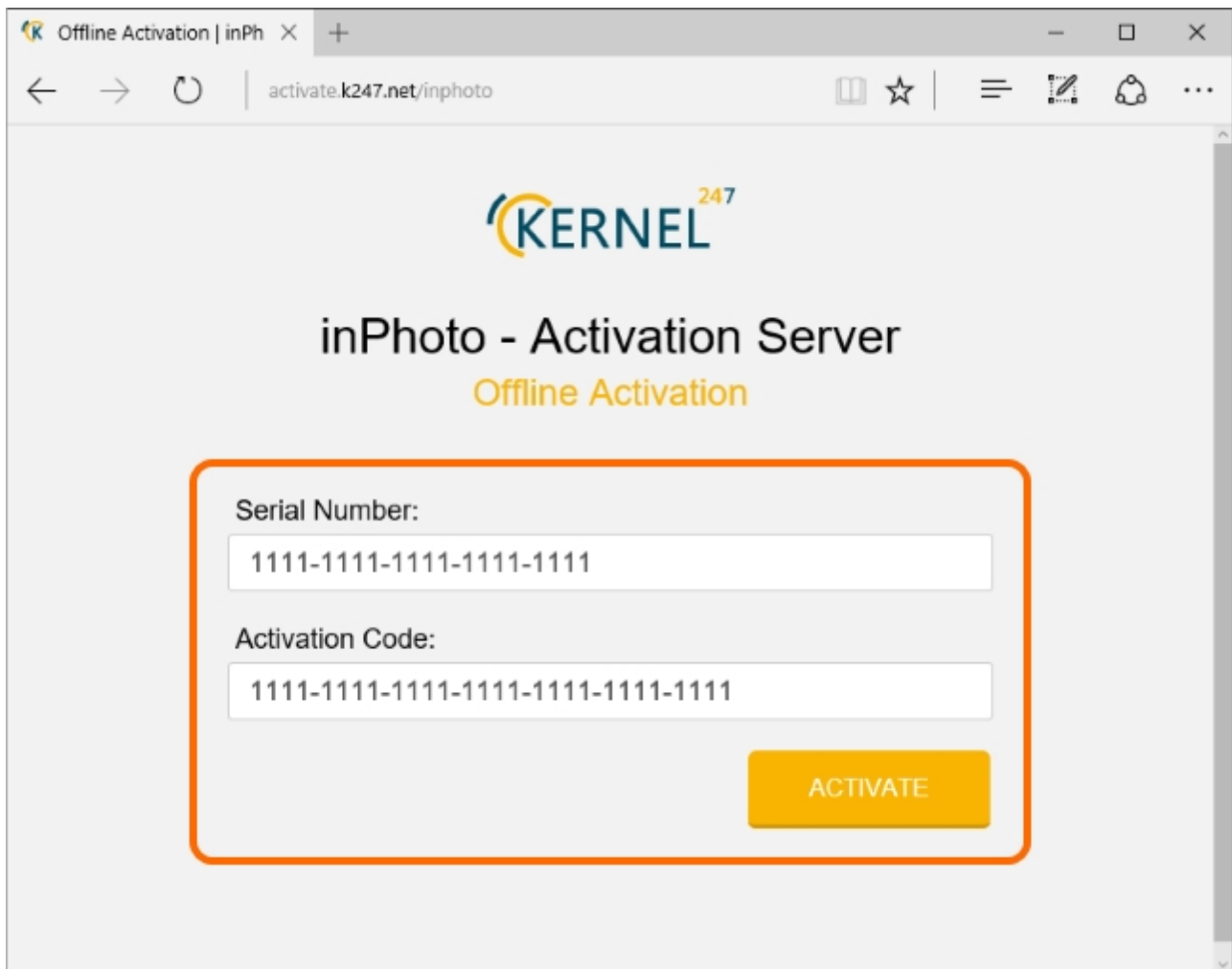
4. Enter your Authentication code and then press the Activate button.

Activate Cancel

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

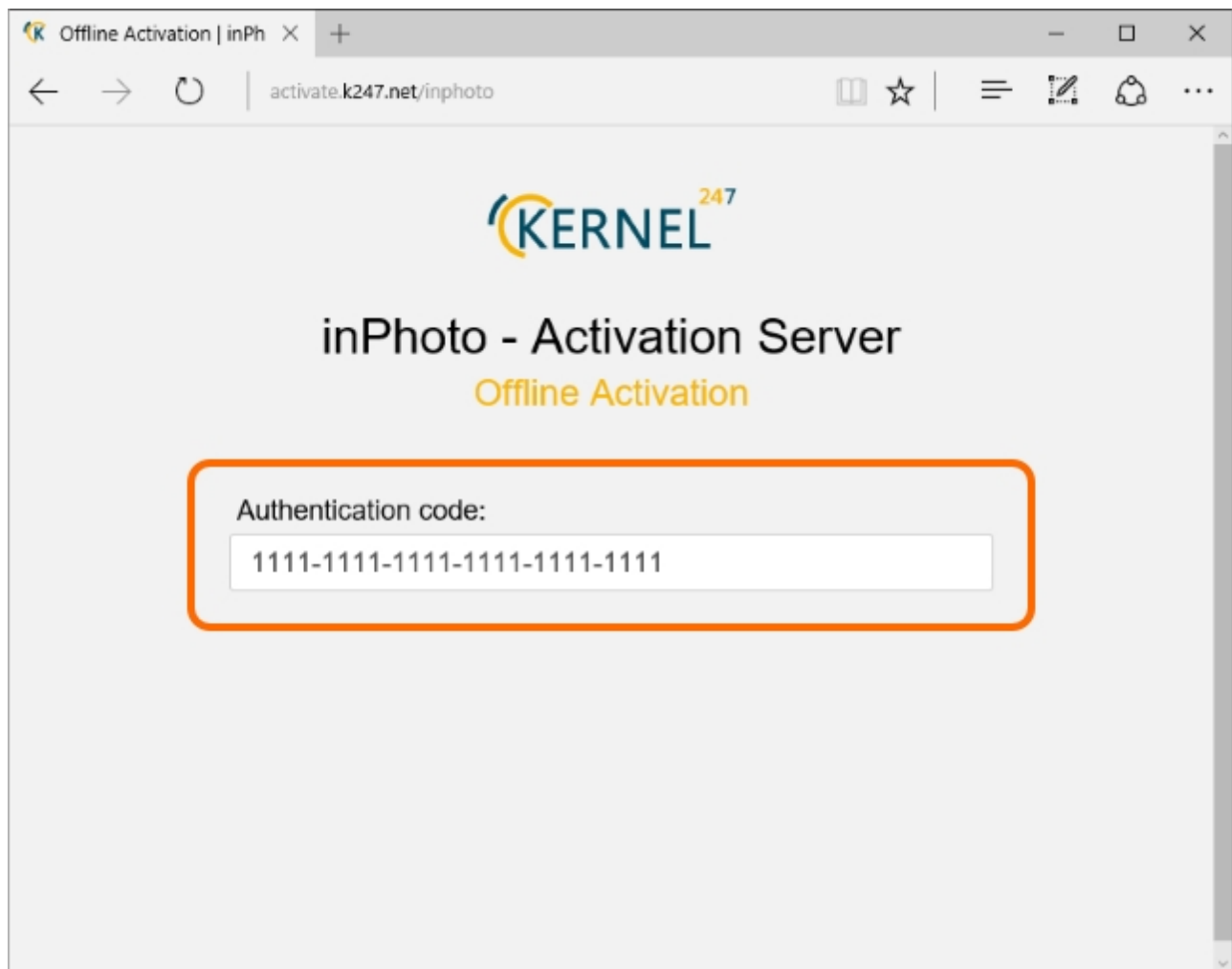
Please note: the data should be entered in the same format as they have been presented in the activation wizard window, i. e. by groups of 4 digits without spaces, separated by hyphens.

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



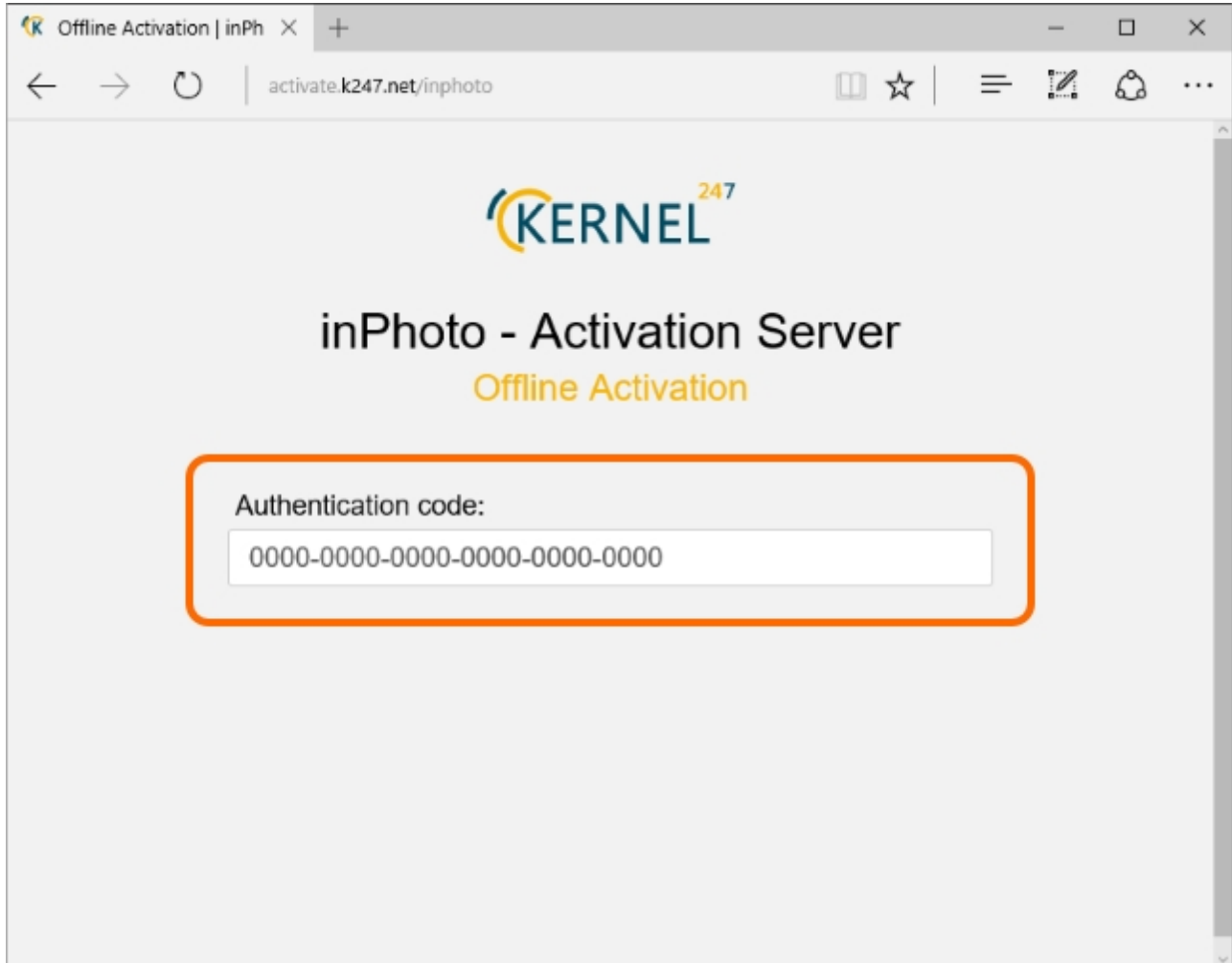
The screenshot shows a web browser window with the address bar displaying "activate.k247.net/inphoto". The page features the "KERNEL<sup>247</sup>" logo at the top. Below the logo, the text "inPhoto - Activation Server" and "Offline Activation" are displayed. A central form is highlighted with an orange border, containing two input fields: "Serial Number:" with the value "1111-1111-1111-1111-1111" and "Activation Code:" with the value "1111-1111-1111-1111-1111-1111-1111". A yellow "ACTIVATE" button is positioned to the right of the input fields.

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.



Offline Activation | inPh X +

← → ↻ | activate.k247.net/inphoto

**KERNEL<sup>247</sup>**

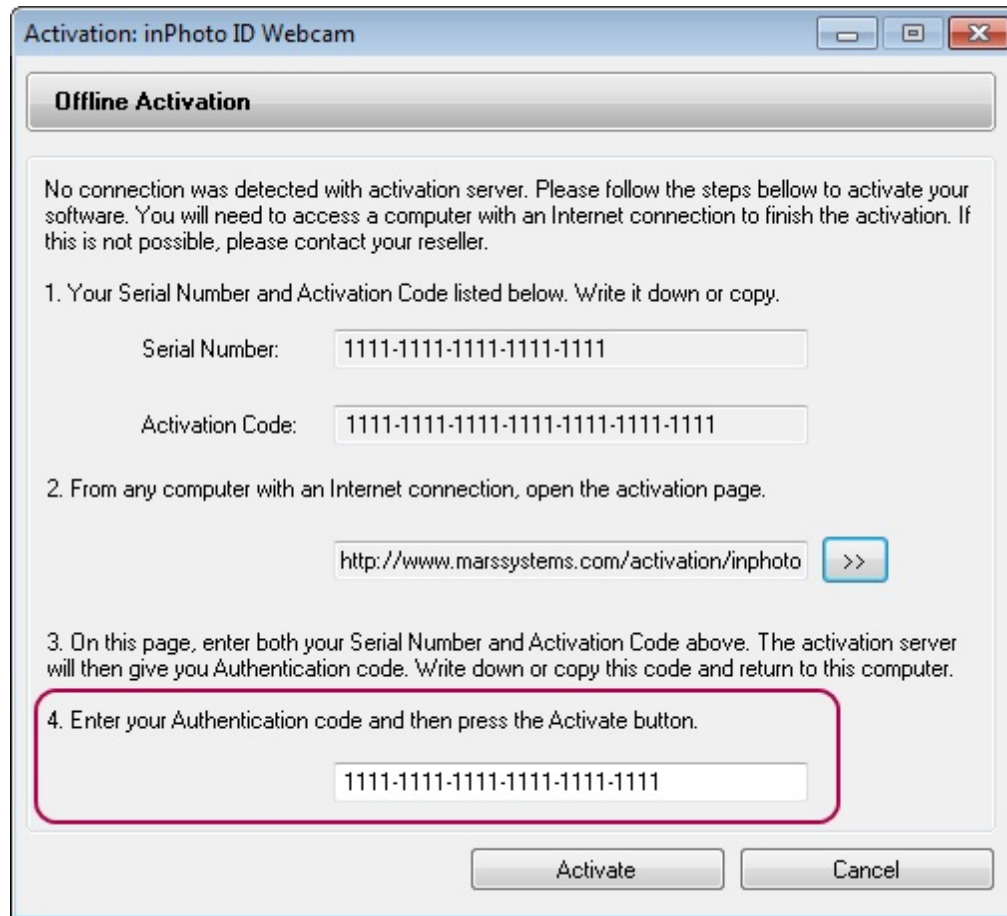
**inPhoto - Activation Server**

**Offline Activation**

Authentication code:

0000-0000-0000-0000-0000-0000

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



**Activation: inPhoto ID Webcam**

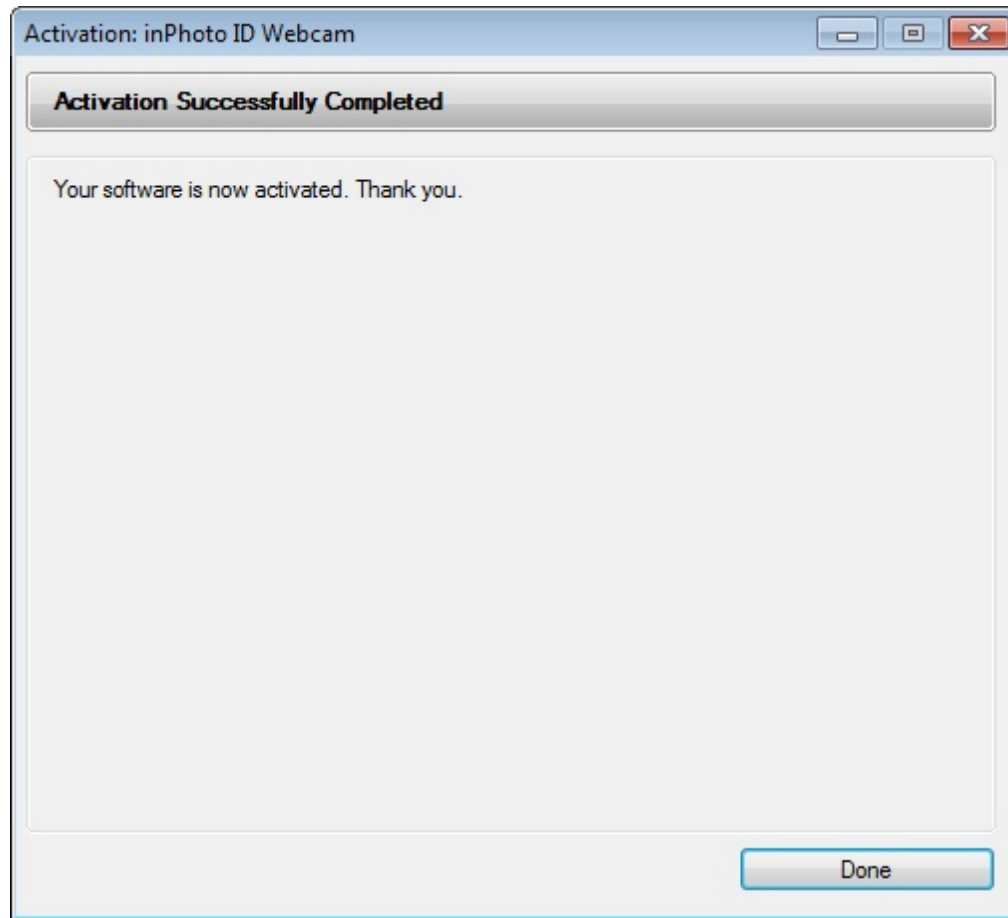
**Offline Activation**

No connection was detected with activation server. Please follow the steps below to activate your software. You will need to access a computer with an Internet connection to finish the activation. If this is not possible, please contact your reseller.

1. Your Serial Number and Activation Code listed below. Write it down or copy.  
Serial Number: 1111-1111-1111-1111-1111  
Activation Code: 1111-1111-1111-1111-1111-1111-1111
2. From any computer with an Internet connection, open the activation page.  
<http://www.marssystems.com/activation/inphoto> >>
3. On this page, enter both your Serial Number and Activation Code above. The activation server will then give you Authentication code. Write down or copy this code and return to this computer.
4. Enter your Authentication code and then press the Activate button.  
1111-1111-1111-1111-1111-1111

Activate Cancel

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](#)

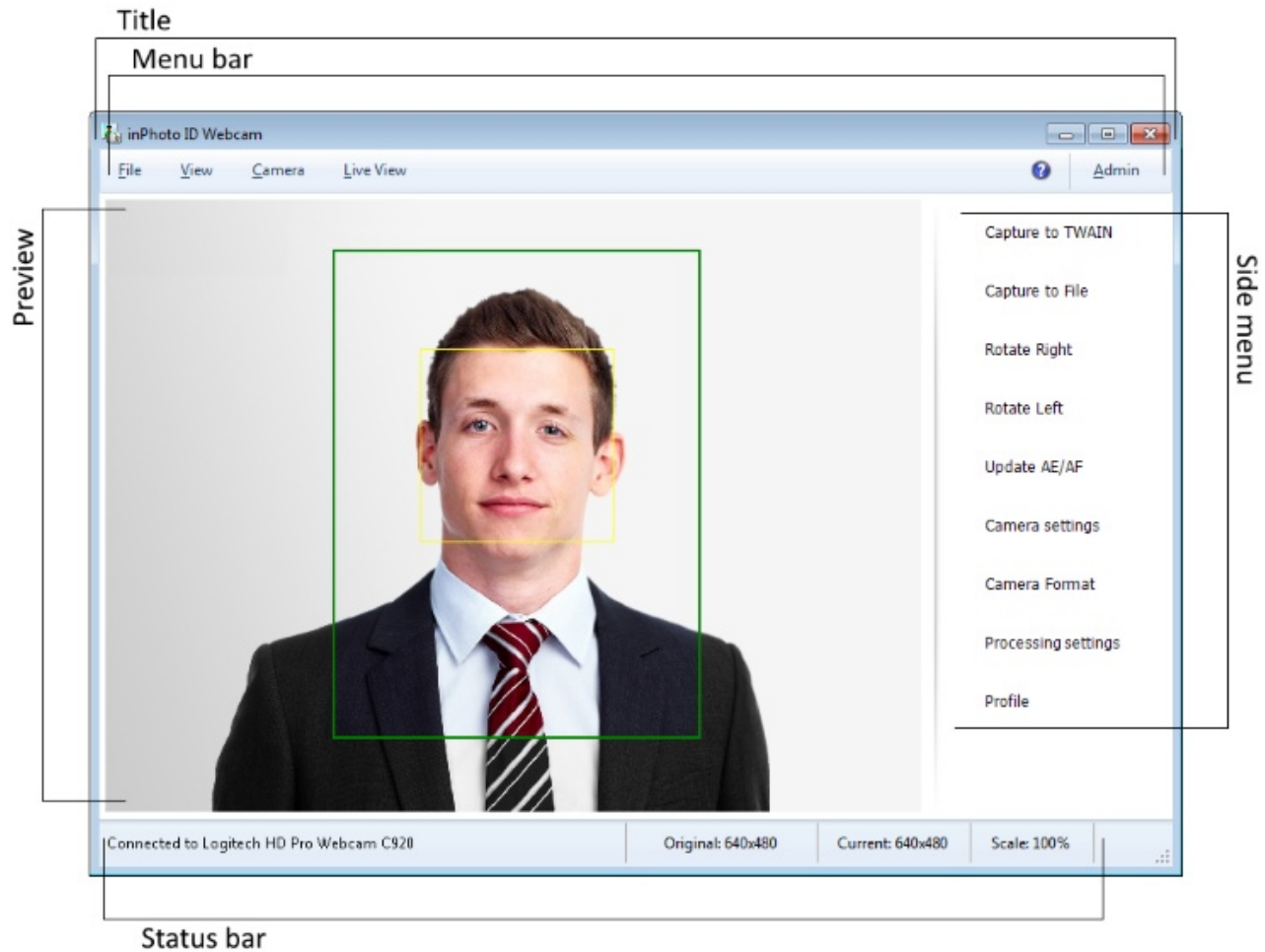
[Interface Setting](#)

[Shorcuts](#)

[Work Completion](#)

# Main Window View

The main window of **inPhoto ID Webcam** 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:

[Window Title](#)

[Main Menu](#)

[Preview](#)

[Side Menu](#)

[Status Bar](#)

## Window Title

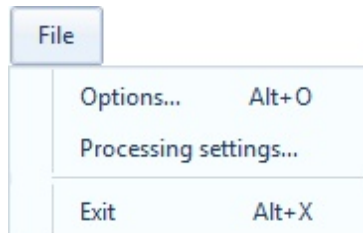
The title of the window traditionally contains the application name and **Minimize**, **Change window size**, and **Close** buttons.



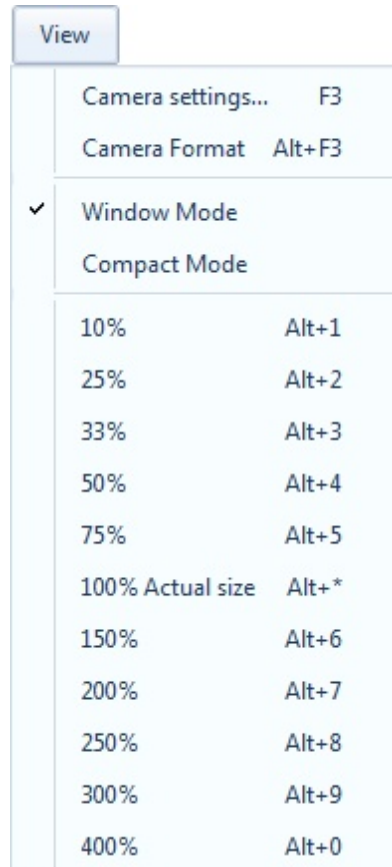
## Main Menu

The main menu is designed for accessing different application functions.

The **File** menu contains general application settings, interface settings, image processing settings, resulting image saving settings, external tools connection settings and voice control settings.



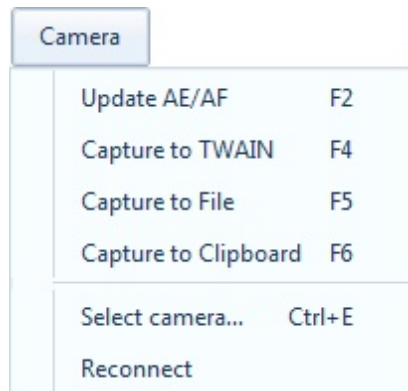
The **View** menu contains main window interface settings and webcam settings.



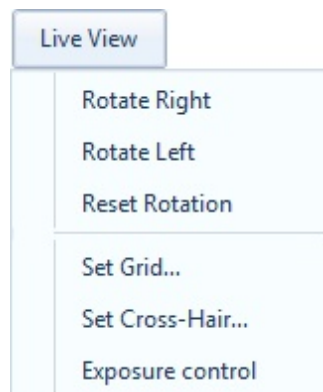
The **Camera** menu contains **Update AE/AF** command, processed image capture to TWAIN, a file and a clipboard commands, as well as webcam selects and reconnects commands.

By default, the **Capture to TWAIN** menu item is disabled. You need to establish connection with TWAIN driver to enable it. For more details on image capture options, please see the [Processing](#) chapter.

For more details on operations with webcam, see the [Camera](#) chapter.

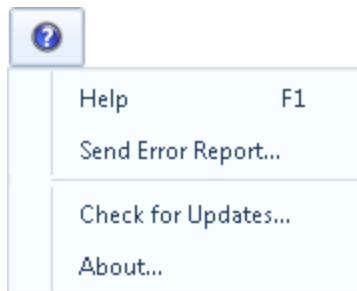


The **Live View** menu contains image rotate commands and tools for configuring snapshot in the preview area. More information about the menu commands you can be found in the [Preview](#) chapter.

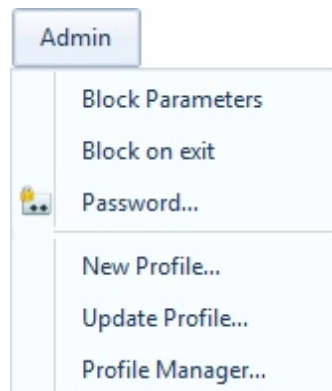




The **Help** menu contains help topics, update checks, application information and the function of sending an error report to the product developers.



The **Admin** menu contains security settings of the application and functions for working with profiles.



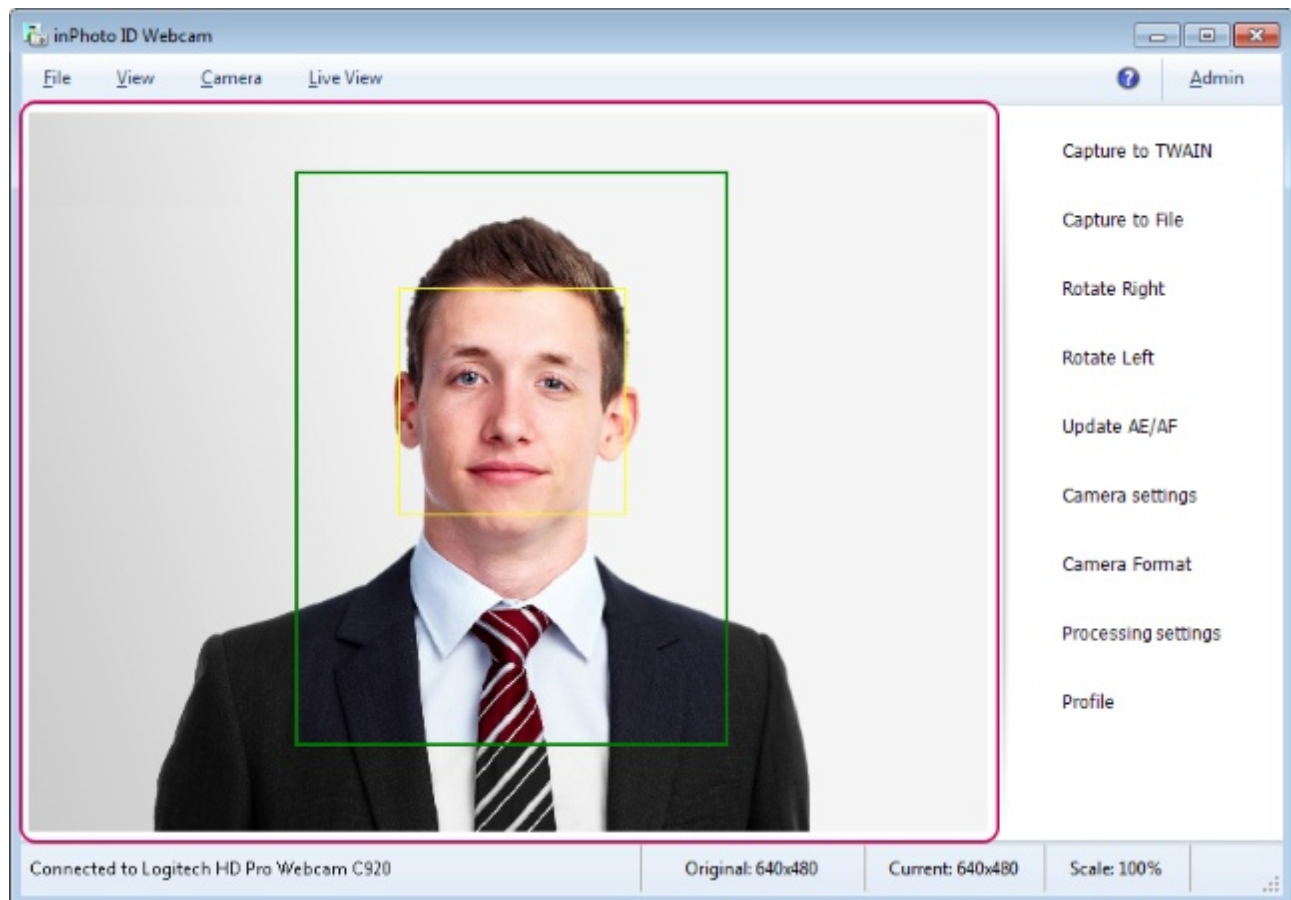
## Preview

Under **inPhoto ID Webcam**, we have implemented a "live" preview of the image before shooting. The webcam image is displayed in the preview area.



*Hereinafter, the preview area will also be referred to as "preview".*

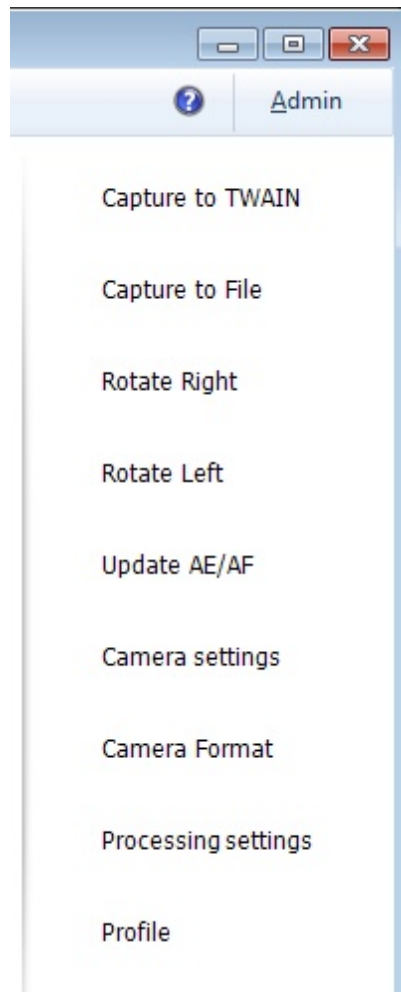
The effect of any change of webcam and crop frame settings will be immediately applied on the preview. Thereby, the user can monitor composition and quality of the image before shooting.



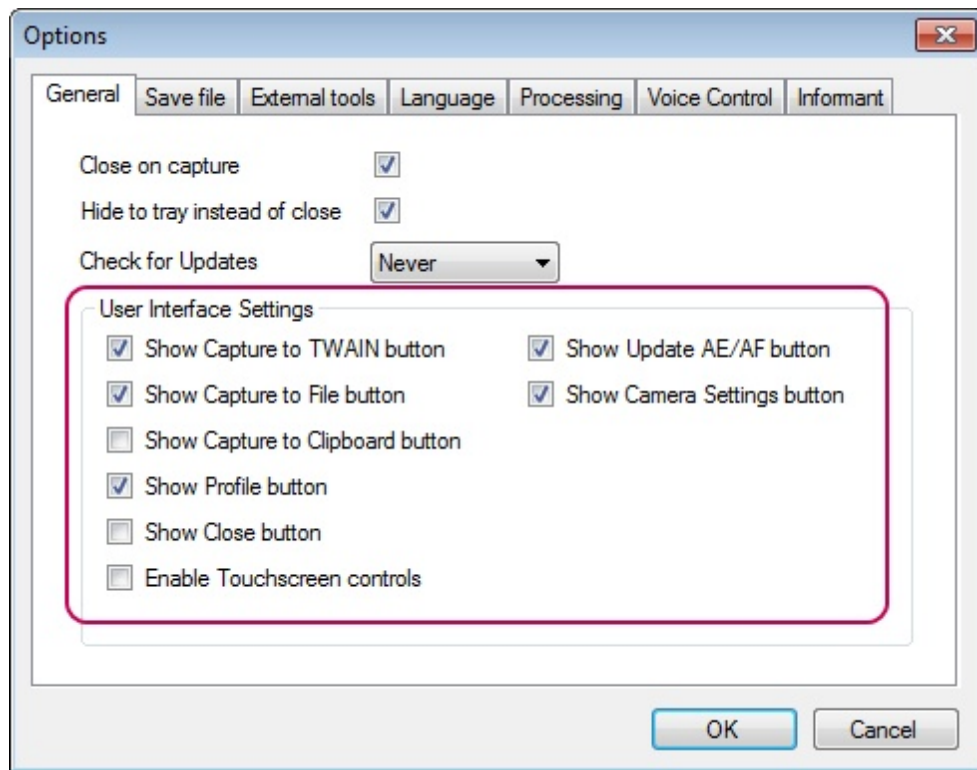
Please refer to the [Preview](#) chapter for more details on the preview operation.

## 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.



*Please note that the **Capture to TWAIN** menu item is originally disabled. You need to establish connection with the TWAIN driver to enable it. For more details on image capture to TWAIN, see chapter [Capture to TWAIN](#).*

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

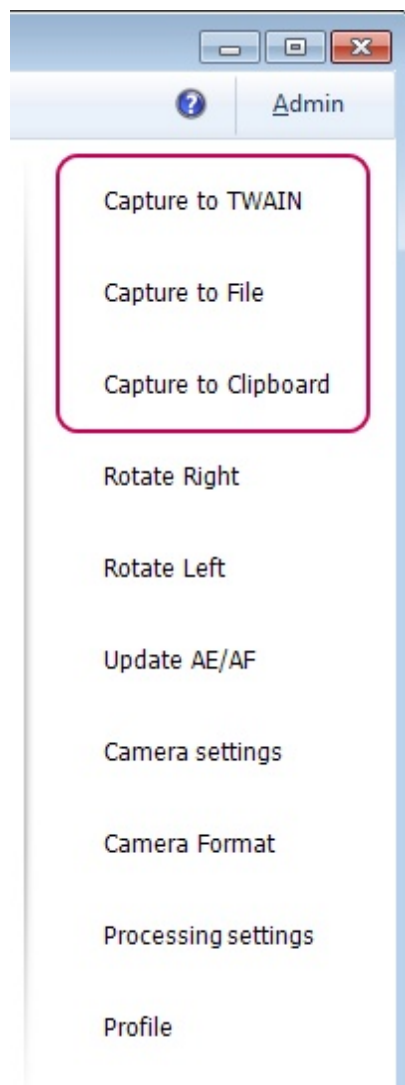
The **Capture to TWAIN**, **Capture to File** and **Capture to Clipboard** buttons run shooting and processing of the image.



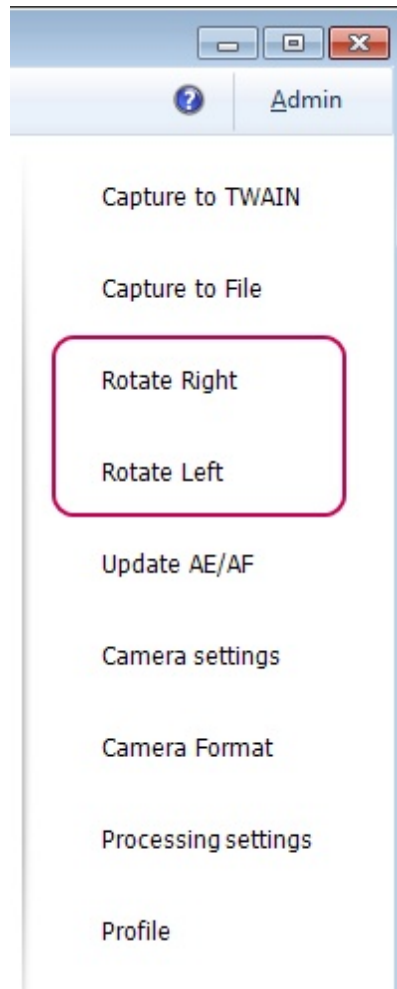
*By default, the **Capture to Clipboard** button is hidden. To make the button visible, please enter the **File** menu > **Options** > **General** tab and set the **Show Capture to Clipboard button** setting.*

The **Capture to TWAIN**, **Capture to File** and **Capture 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. **Capture to TWAIN** saves the processed image to the application 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. **Capture to File** saves the processing results to the specified place on the drive. **Capture to Clipboard** saves image to the clipboard.

You can read more details on the image processing methods in the [Processing](#) chapter.

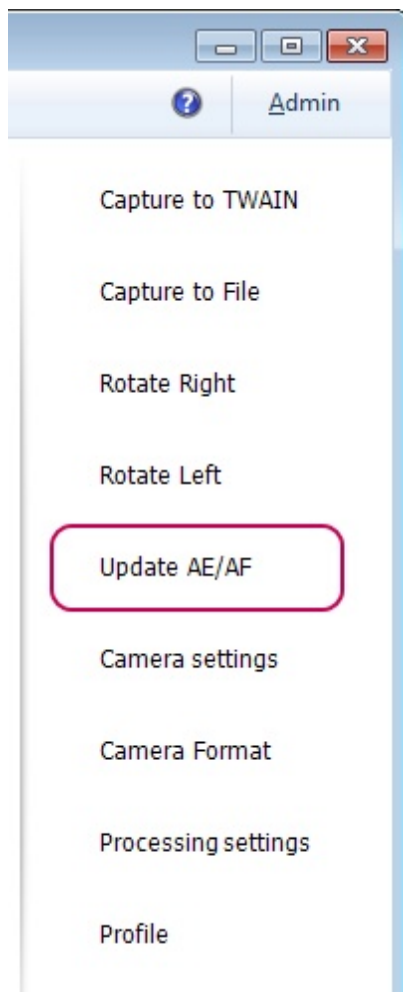


The **Rotate Right** and **Rotate Left** buttons are provided to rotate the image 90 degrees to the right or to the left.



The **Update AE/AF** button updates auto focus and auto exposition of the camera.

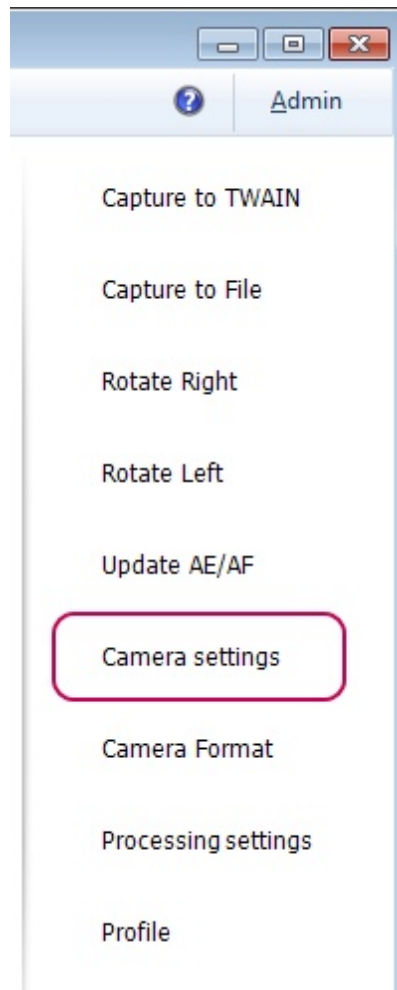
Please refer to the [Update AE/AF](#) section for more details.



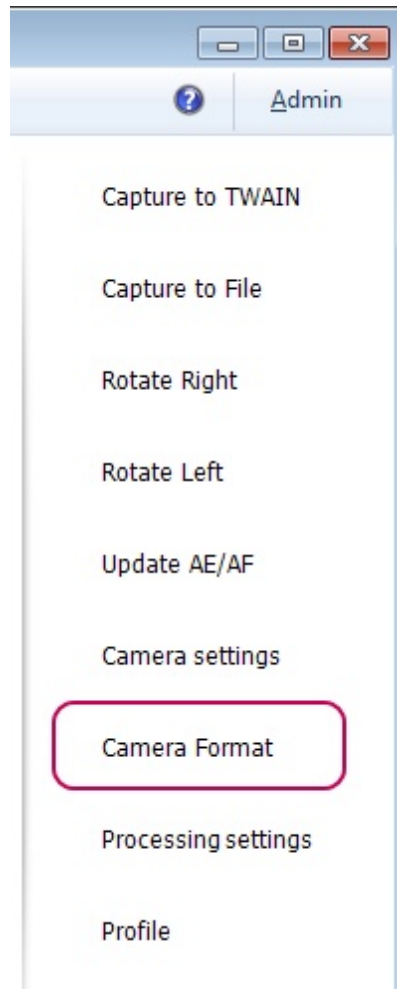


The **Camera Settings** button starts a dialogue window which contains webcam properties. The dialogue is a part of the camera driver. The **Camera Settings** button allows you to launch the driver and configure the webcam directly from **inPhoto ID Webcam**.

You can get more details on setting the webcam properties in the [Camera setting](#) section.

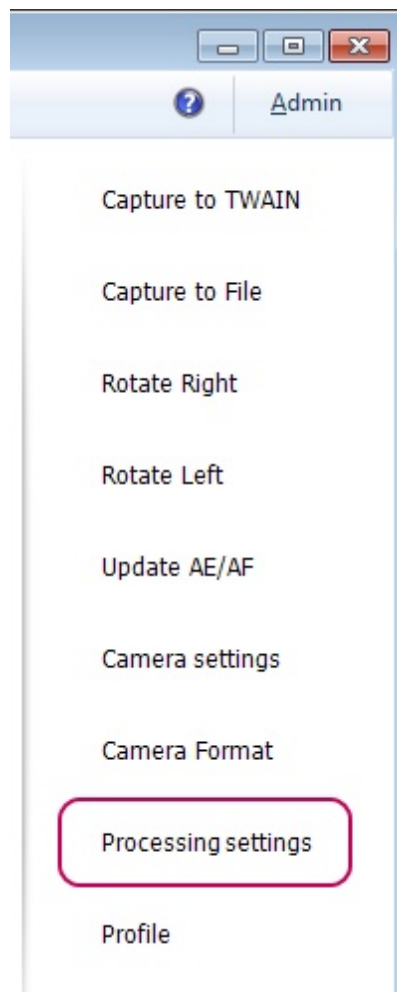


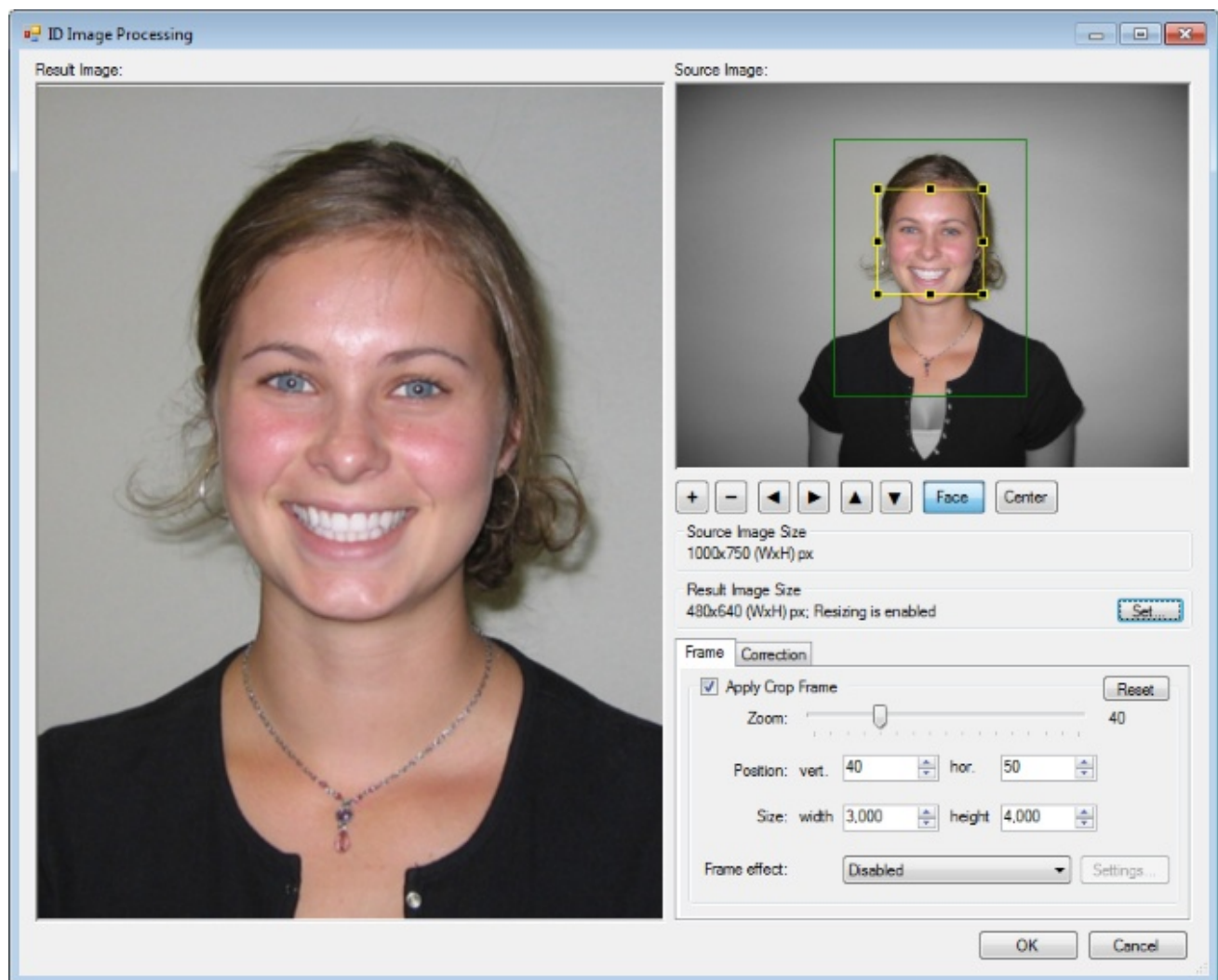
The **Camera Format** button launches a dialogue which contains available resolutions for the webcam.



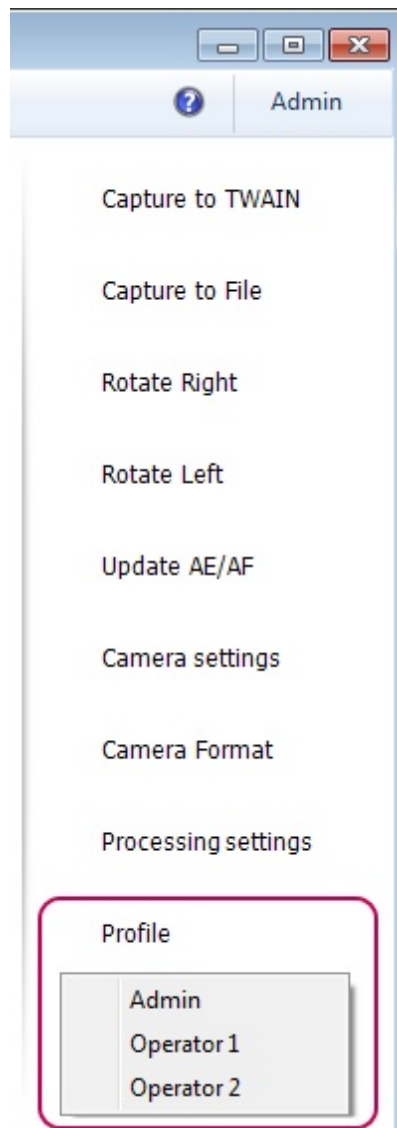
The **Processing settings** button calls up the **ID Image Processing** dialogue that contains all the settings regulating image processing: face detection settings, bounding box and subsequent framing settings, correction settings, resulting image size settings. In addition, a preview area is also provided in the dialogue; the preview allows you to see the image after processing with the current settings.

You can read more details on the **ID Image Processing** dialogue in the [ID Image Processing dialogue](#) section.

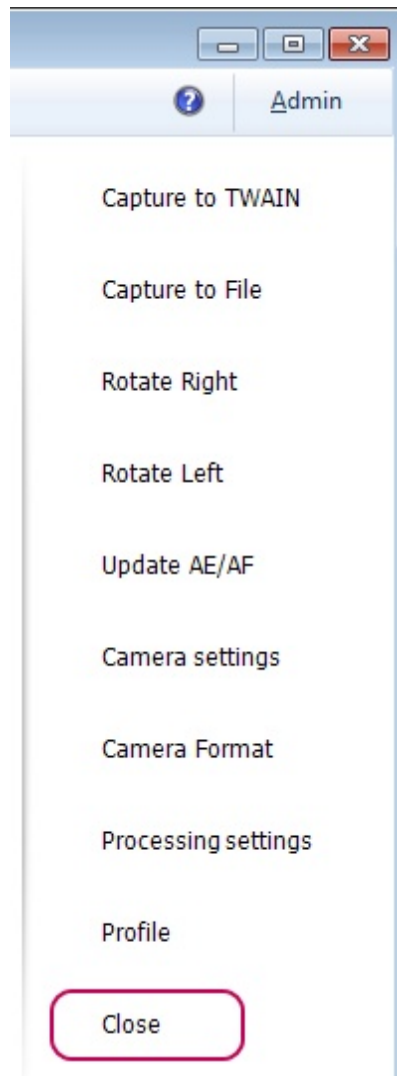




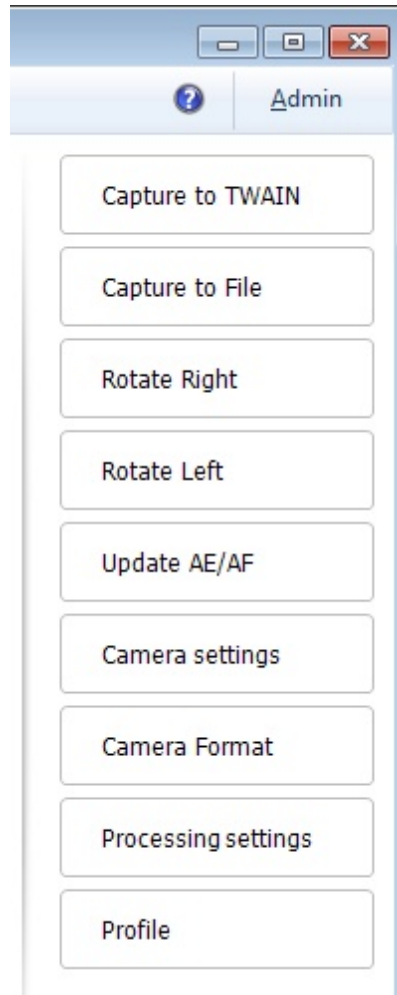
The **Profile** button calls up the menu consisting of the list of all profiles created in the application and the **Reset profile** item. The menu allows applying or cancelling the profile for the current application session. To apply the profile, just select it from the list. Then, the name of the 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 information needed in the course of work. This area is divided into four sections.

In the first section, from left to right, the name of the webcam currently connected is displayed.

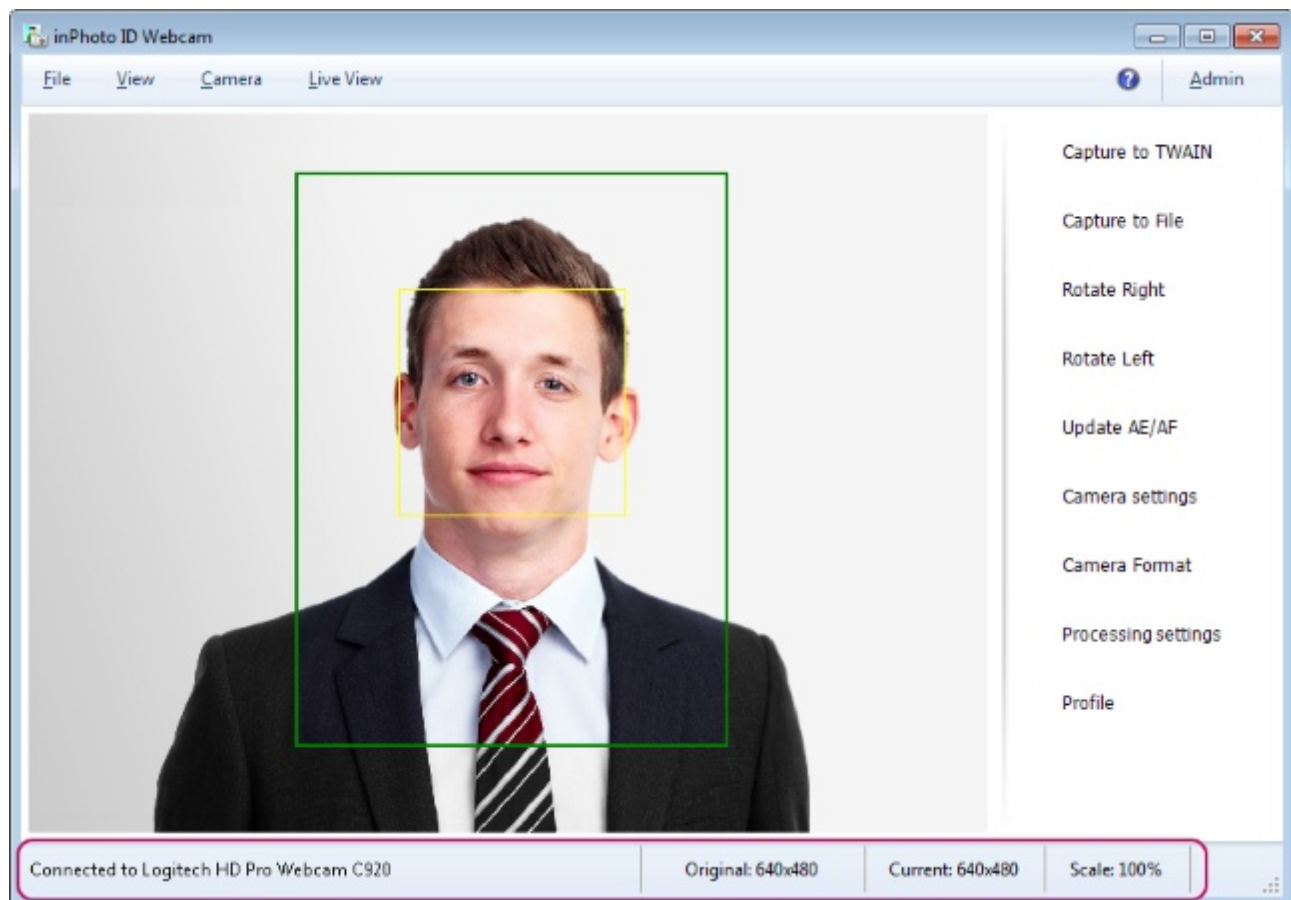


*Please note that in the status bar, after shooting, the webcam name will not be displayed. To re-display the webcam name in the status bar, launch the **Reconnect** command, located in the **Camera** main menu.*

The second section displays the source image dimensions in pixels which are to be received by the application from the webcam. The dimensions of the source image can be modified by changing webcam settings.

The third section displays the image dimensions in pixels in the preview. If you resize the application window, the volume of the current image will also change.

The fourth section displays the scale which is a ratio of the image dimensions in the preview to the image dimensions from the webcam.





# Interface Setting

The setting of main window interface in **inPhoto ID Webcam** is flexible. The user can choose view and scale of the main window, to switch the language of the interface as well as to change the composition buttons in the side menu.

The contents of the section are as follows:

[Mode main window](#)

[Scale main window](#)

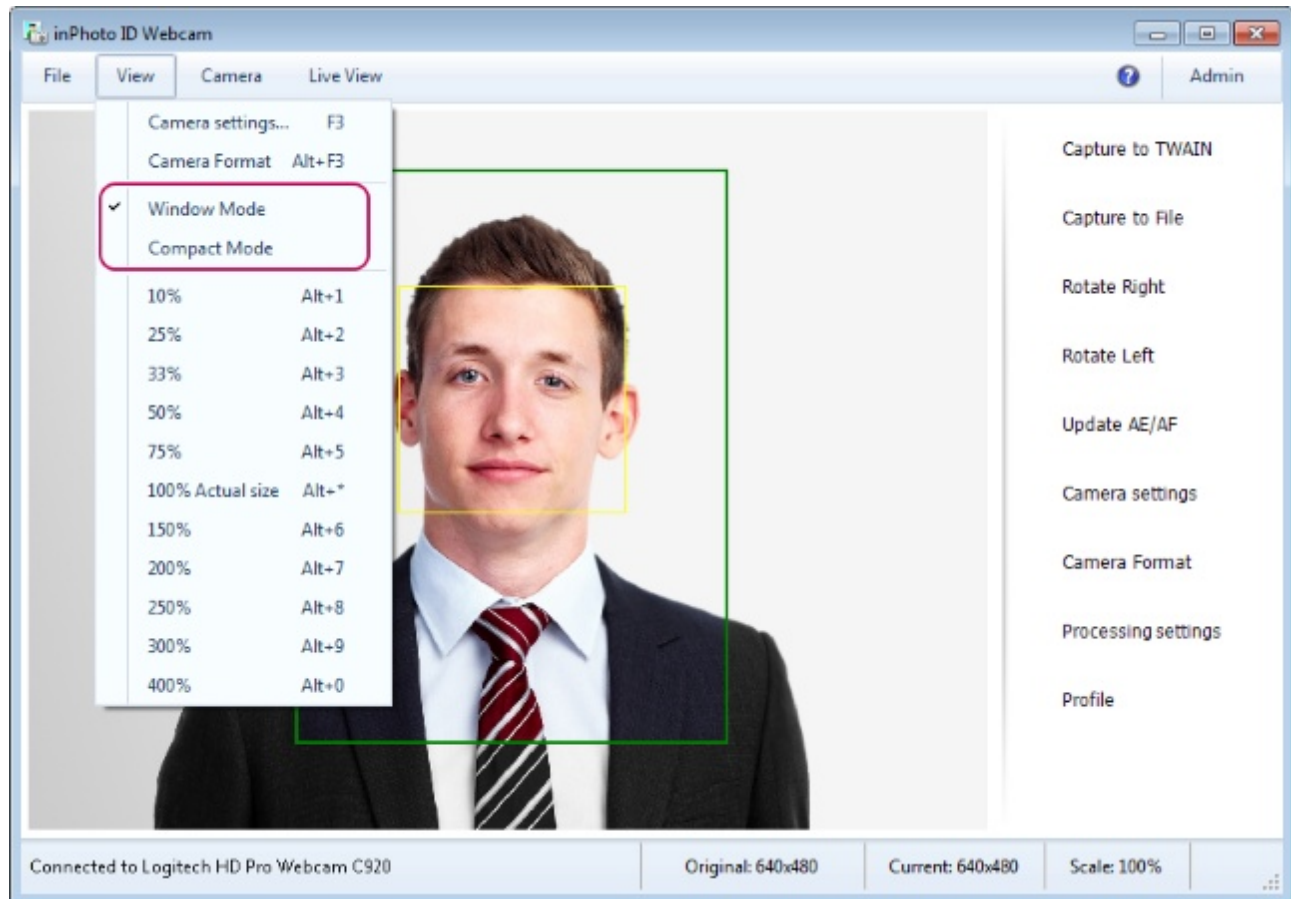
[Side Menu Interface](#)

[Language Switching](#)

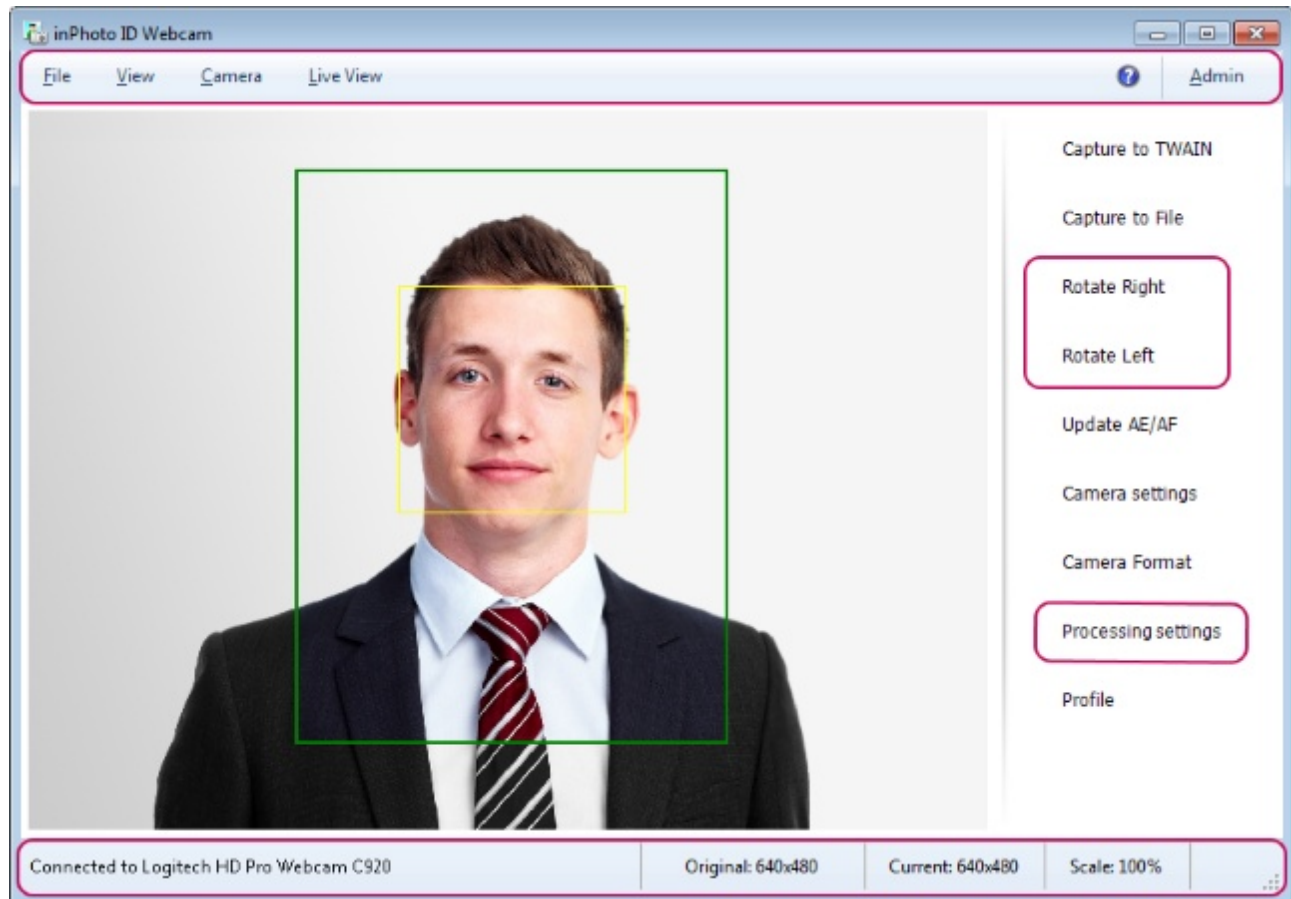
## Main Window Mode

The mode is a set of the displayed and hidden interface elements of the main window.

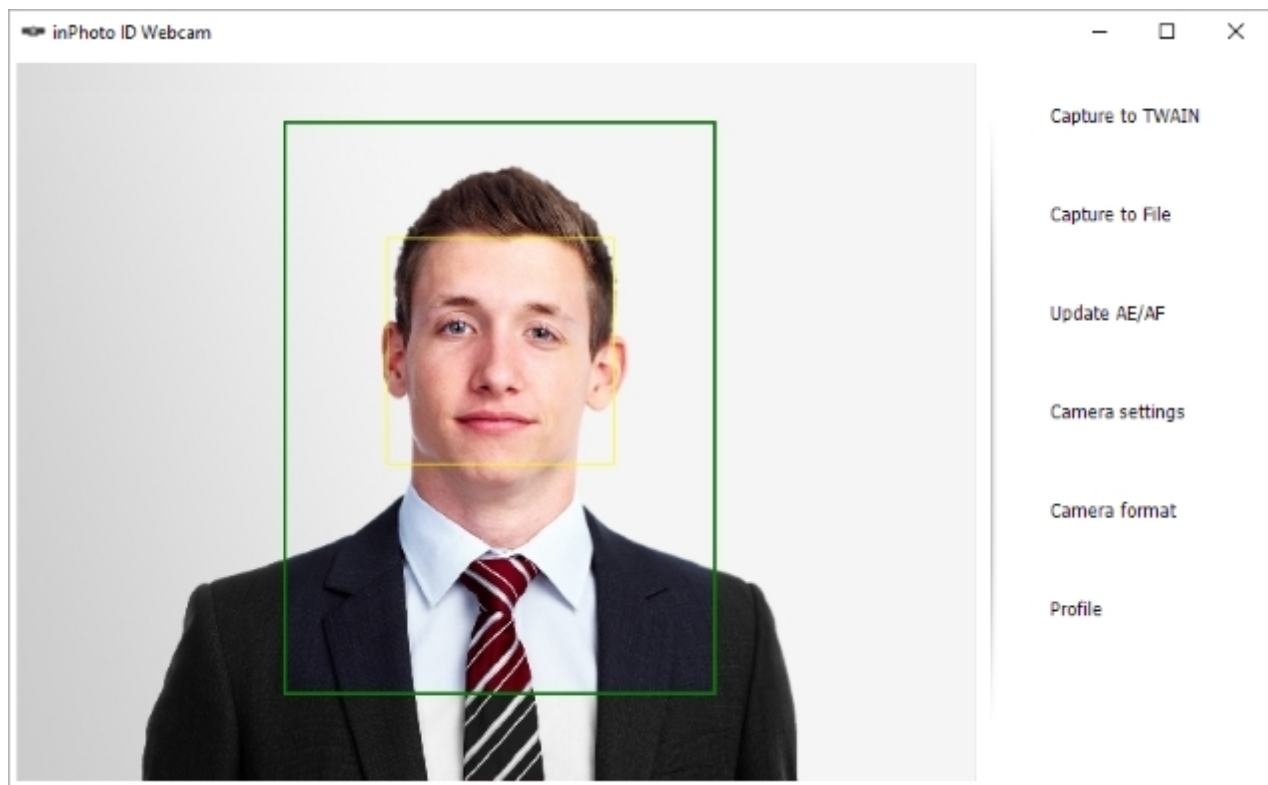
Two modes exist in **inPhoto ID Webcam**: **Window mode** and **Compact mode**. You can switch the mode in the main menu.



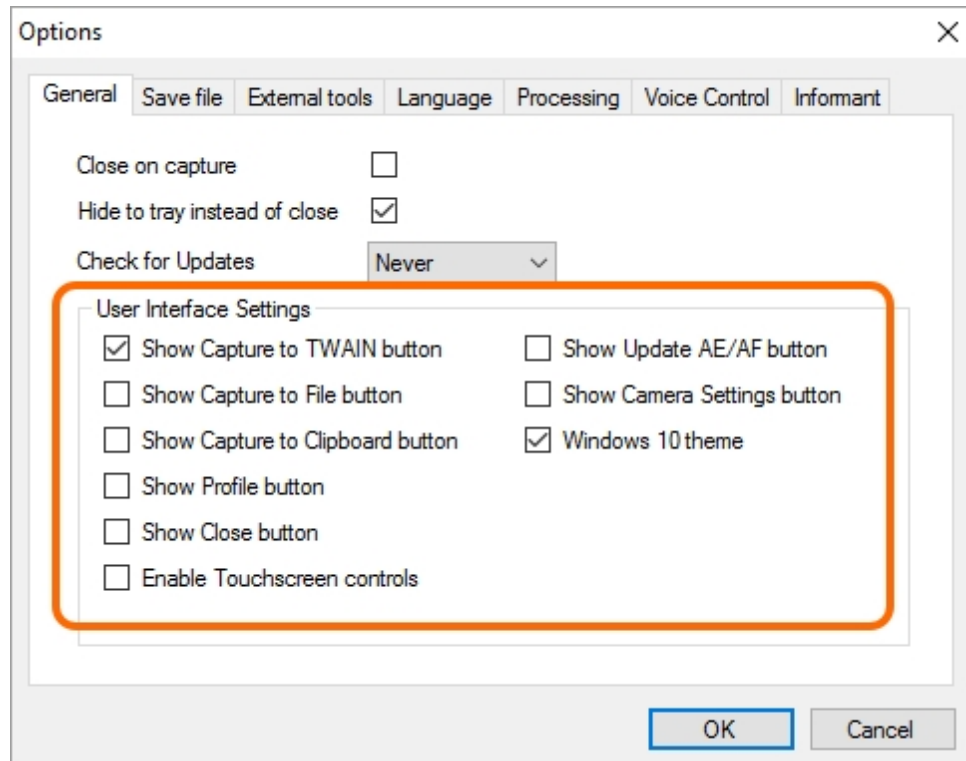
In the **Window mode**, the main program window contains the main menu bar, the status bar and the following buttons of the side menu: **Rotate Right**, **Rotate Left**, **Processing settings**. Please note that the interface settings of the side menu not regulate displaying of the listed buttons which will be described below in the [Side Menu Interface](#) section. Hiding these buttons is only possible by changing **Window mode** to **Compact mode**.

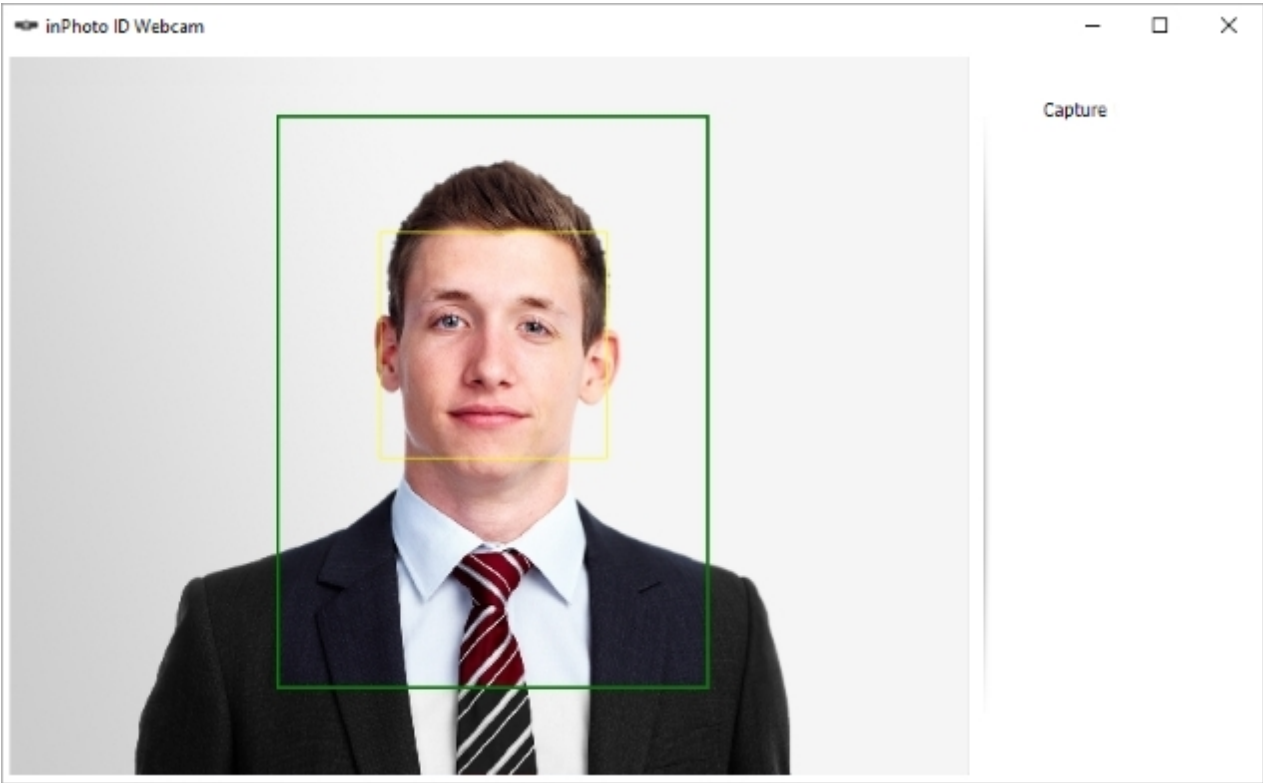


In compact mode, the main menu panel and the status bar are hidden; some buttons of the side menu are removed.



If you permanently use only one button on the side menu, the **Capture to TWAIN** button or the **Capture to File** button, you can leave only one necessary button and hide the others. For this purpose, in the **File -> Options** menu, deactivate displaying settings for all the buttons except for the one you wish to leave, then switch the application main window to the compact mode. If only one of the **Capture to TWAIN** and **Capture to File** buttons has been left in the menu, its name is shortened to "**Capture**".

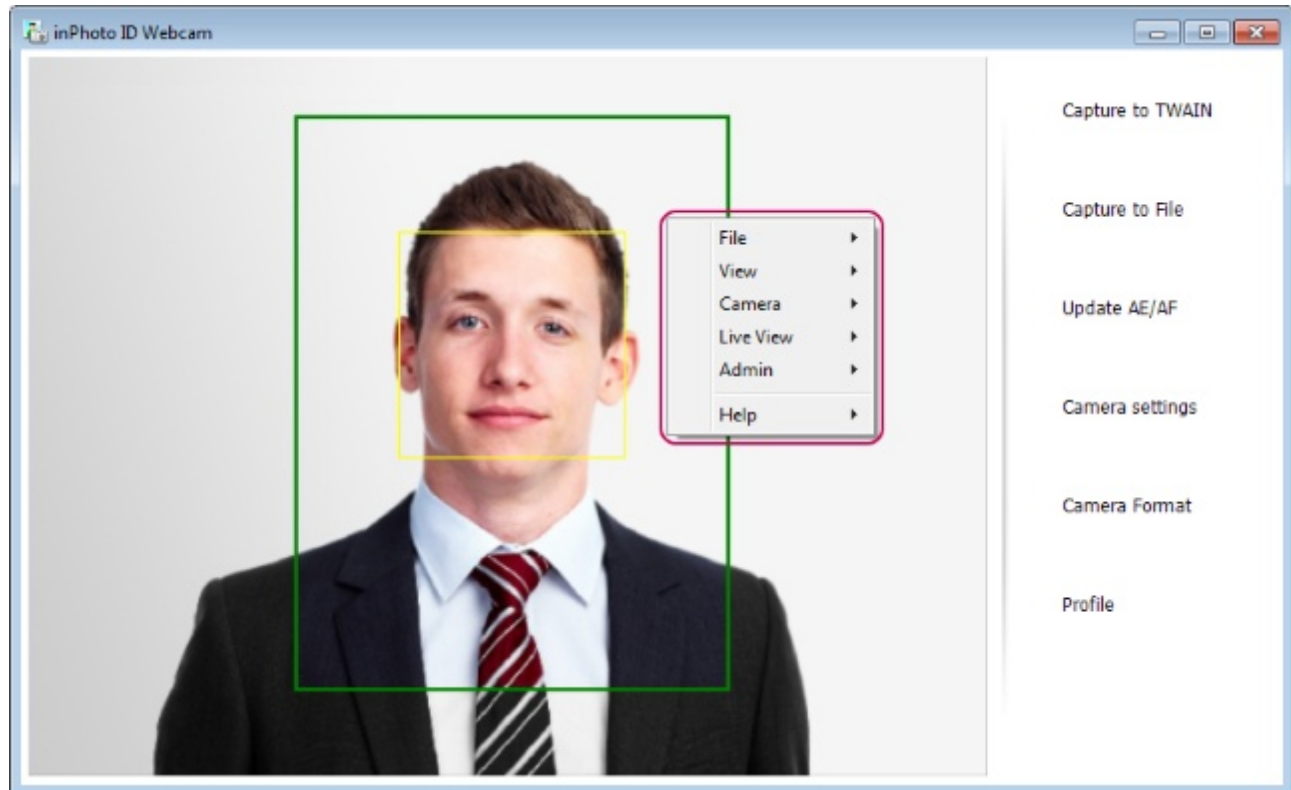




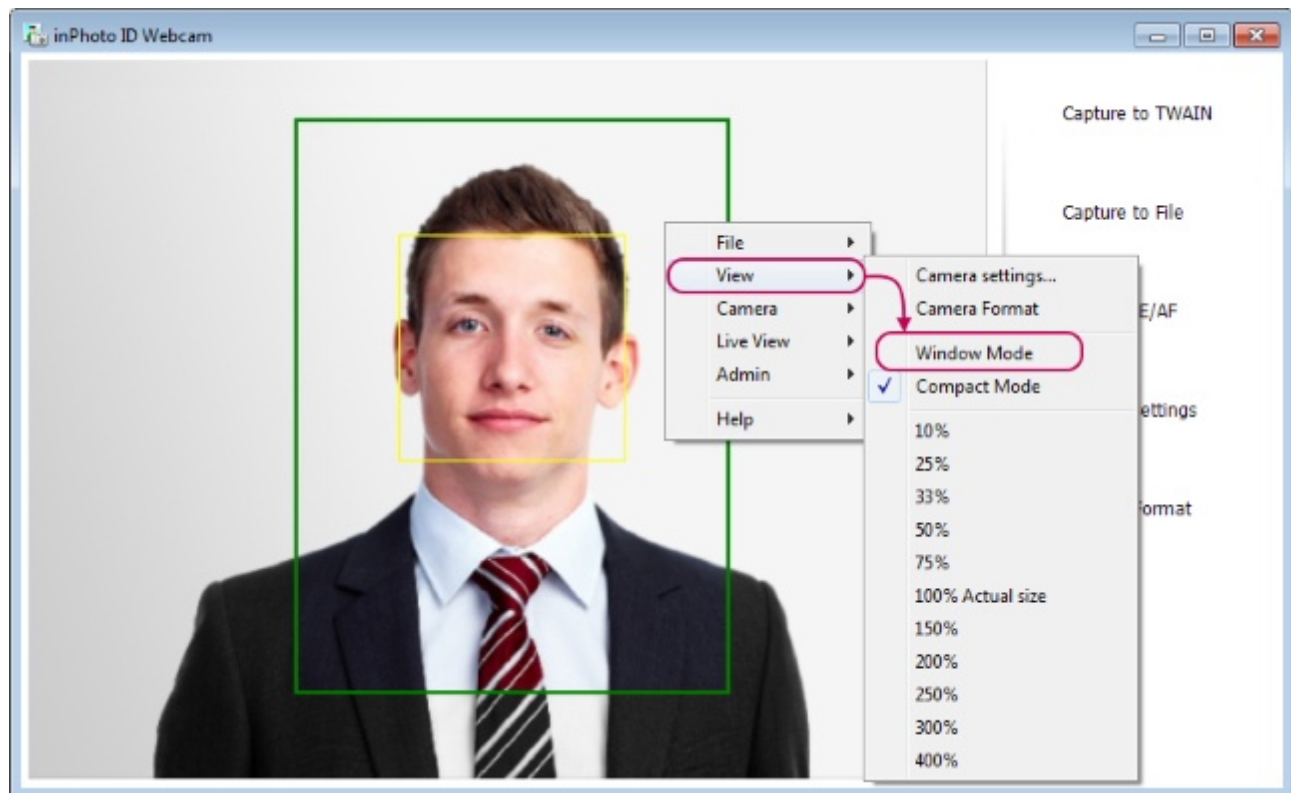
However, the access to the functions of the main menu is needed when using the program this is why the main menu is modified to the context menu in the compact mode. The context menu completely duplicates the composition and functions of the main menu in the **Window mode**.



*Please note that the context menu is only available from the preview.*



To return the window view from the **Compact mode** to the **Window mode**, open the context menu, select the **View** item and press the **Window mode** item as shown in the picture below.

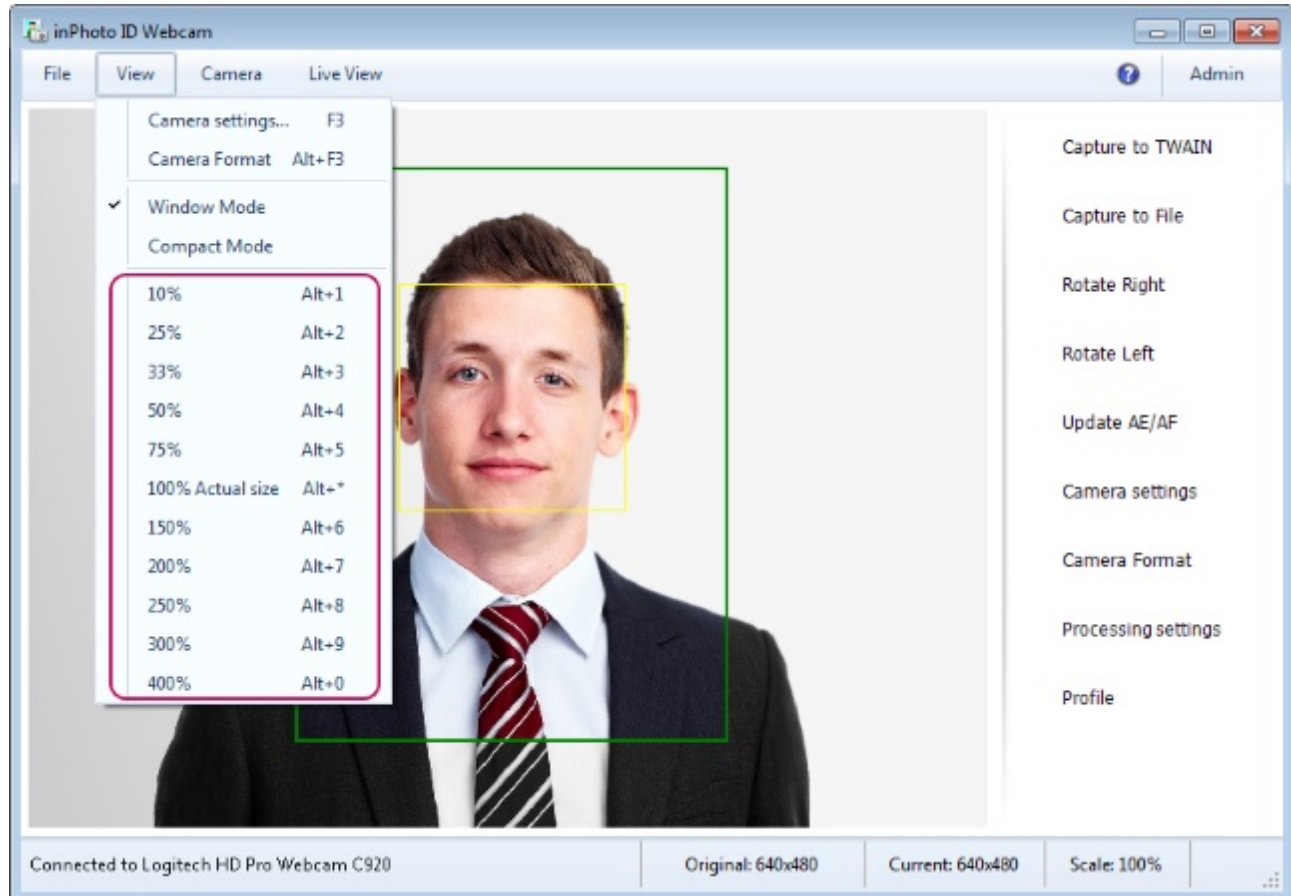




## Main Window Scale

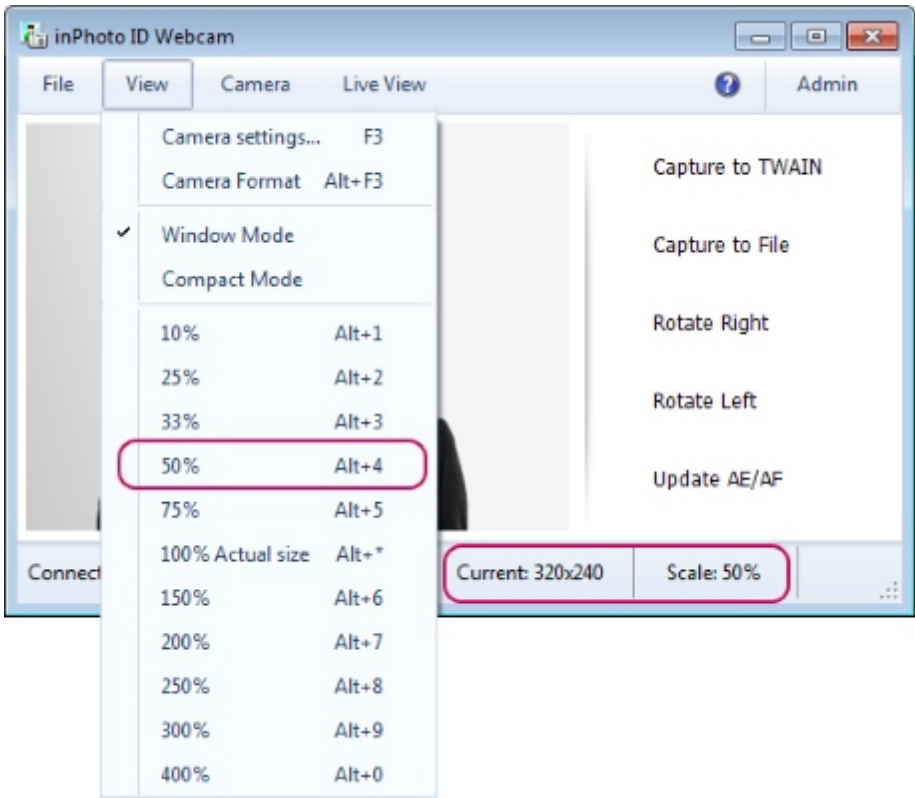
The scale allows you to resize of the main window.

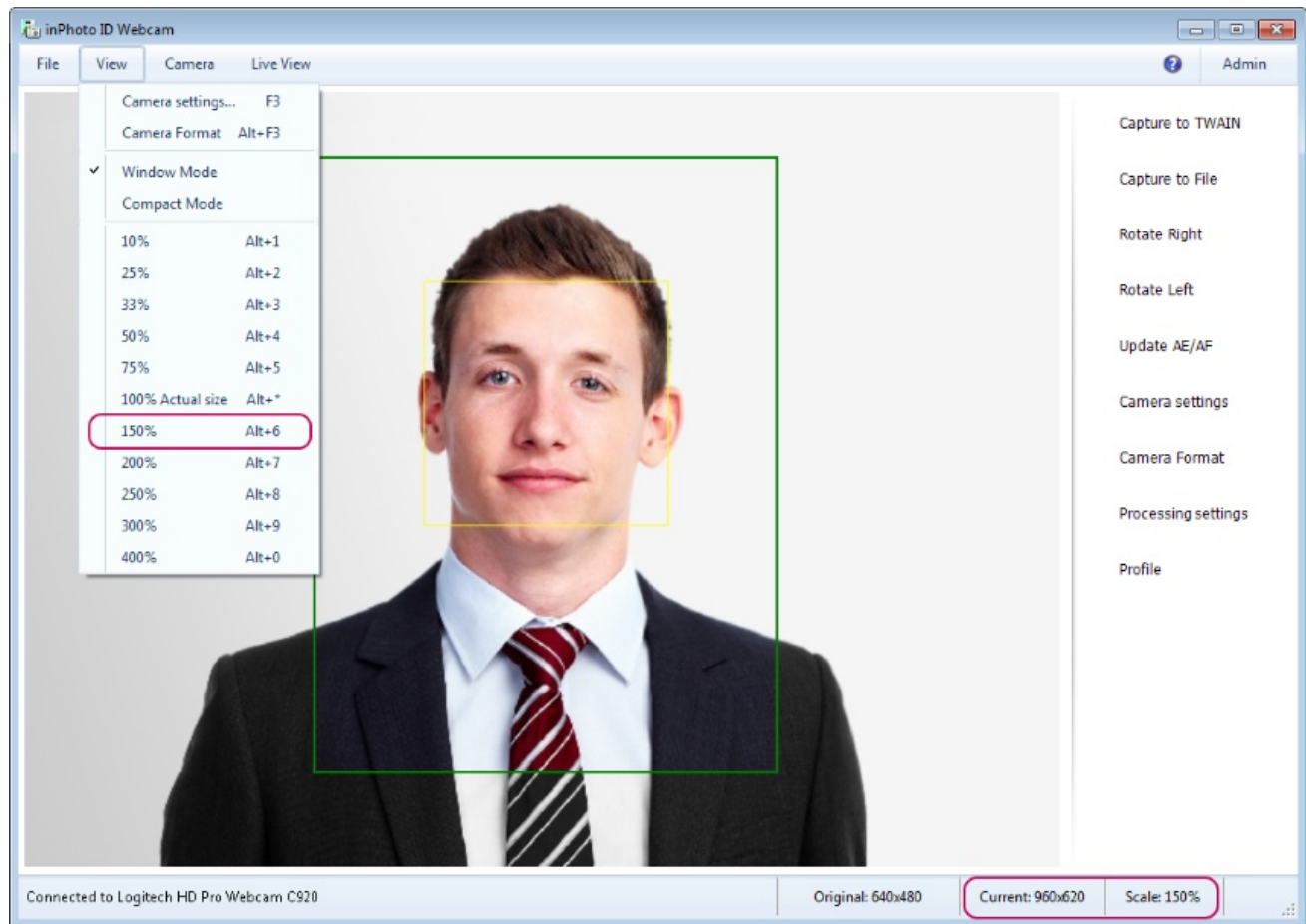
The scale settings are in the **View** main menu.



By default, the application window is shown on a scale of 100%.

The below illustrations show the view of the window on a scale of 50% and 150%.

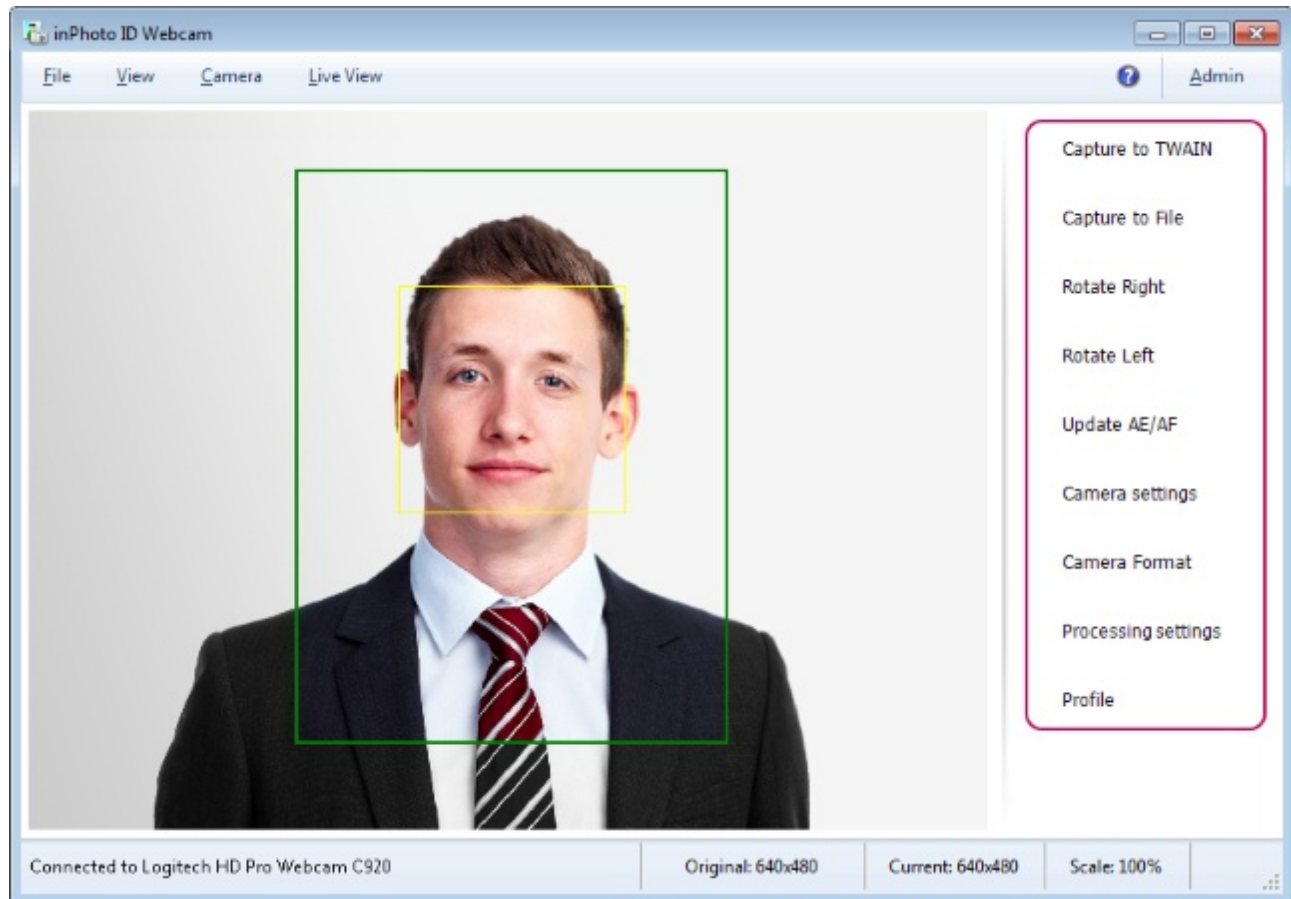




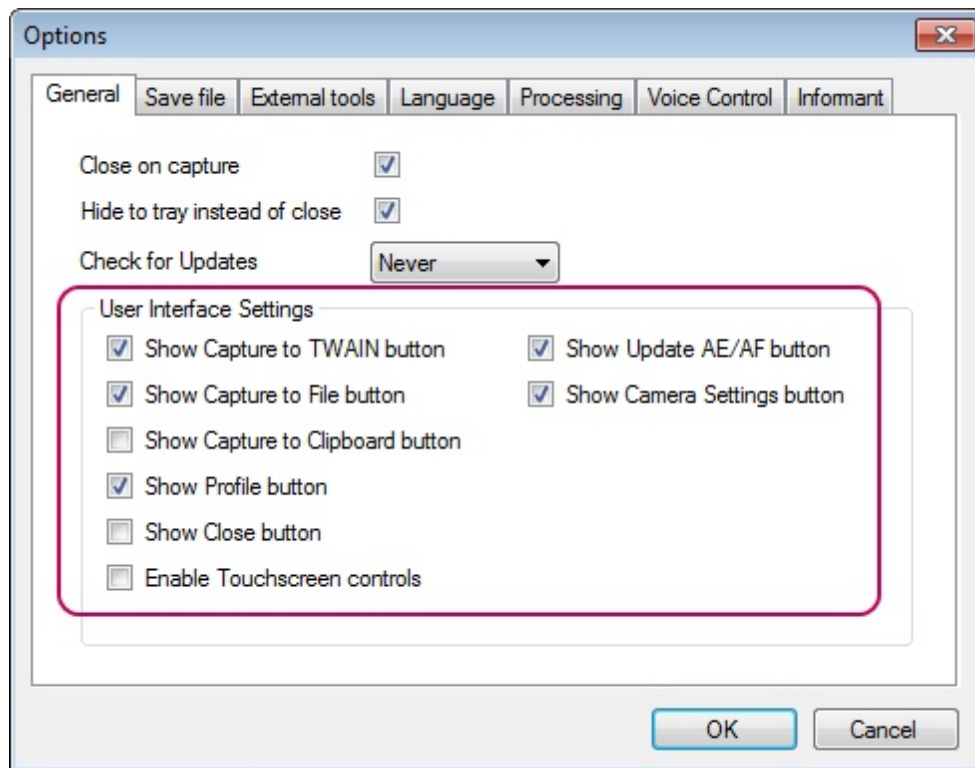
## Side Menu Interface

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

In the side menu the user can display or hide a part of the buttons at his own discretion.



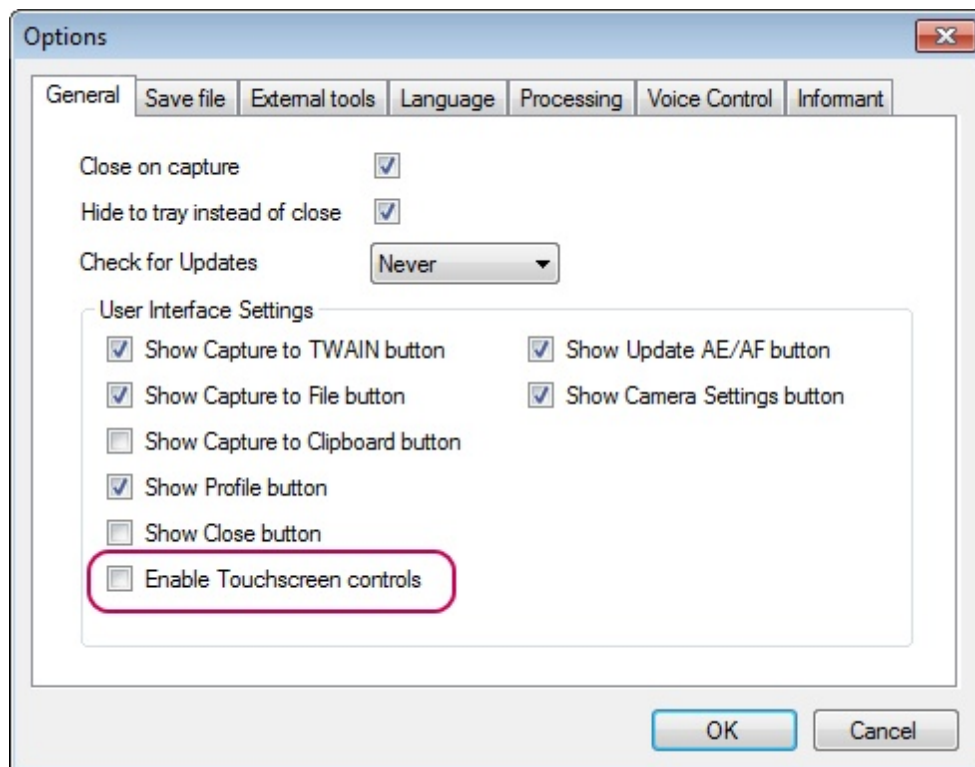
All the side menu interface settings are located in the **File** menu > **Options** > **General** tab > **User Interface Settings** section.



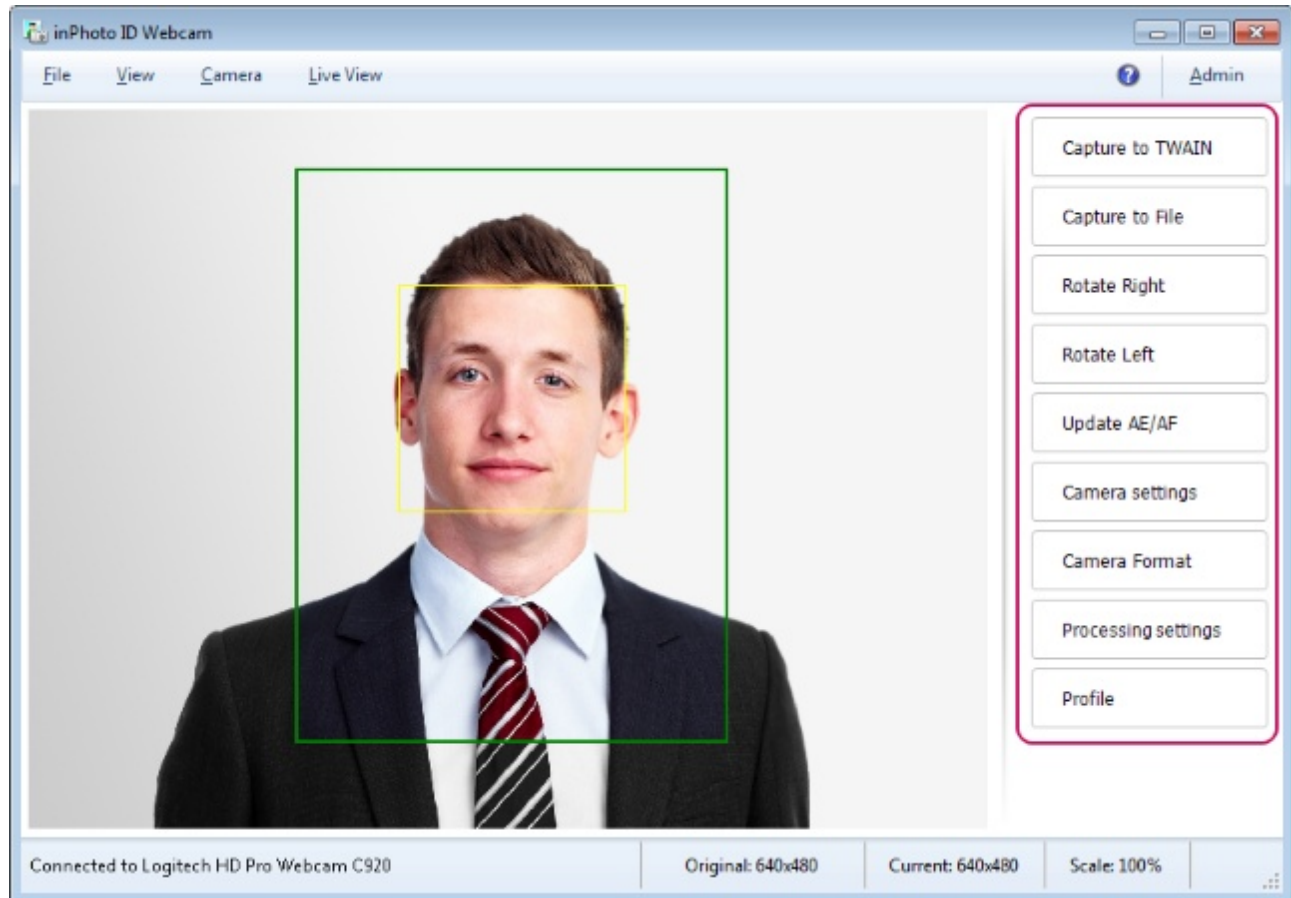
The table with the setting names and respective displaying buttons is given below.

<b>Show Capture to TWAIN button</b>	<b>Capture to TWAIN</b>
<b>Show Capture to File button</b>	<b>Capture to File</b>
<b>Show Capture to Clipboard button</b>	<b>Capture to Clipboard</b>
<b>Show Profile button</b>	<b>Profile</b>
<b>Show Close button</b>	<b>Close</b>
<b>Show Update AE/AF button</b>	<b>Update AE/AF</b>
<b>Show Camera Settings button</b>	<b>Camera Settings, Camera Format</b>

At the end of the first column, you can also find the **Enable Touchscreens controls** setting.

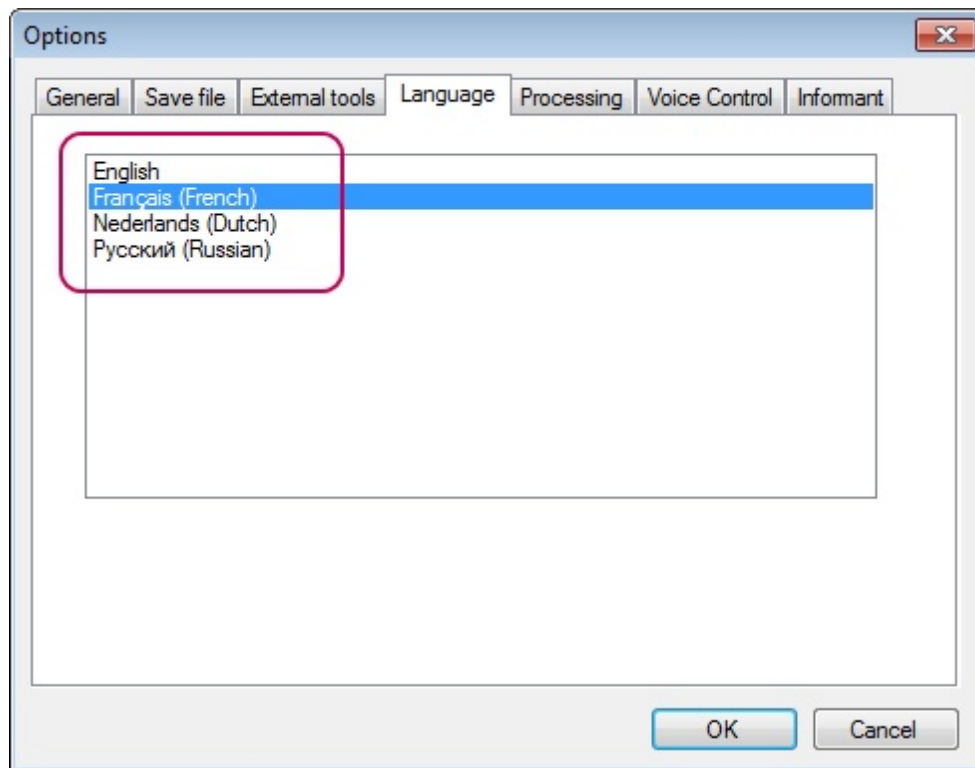


Unlike other settings of this unit, the **Enable Touchscreens controls** setting is not tied to a specific button. This setting changes the side menu interface to the one that is more convenient for the usage in touch-screen devices.

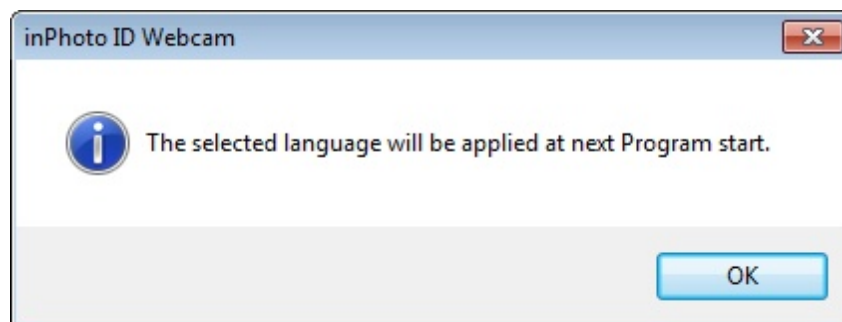


## Language Switching

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.

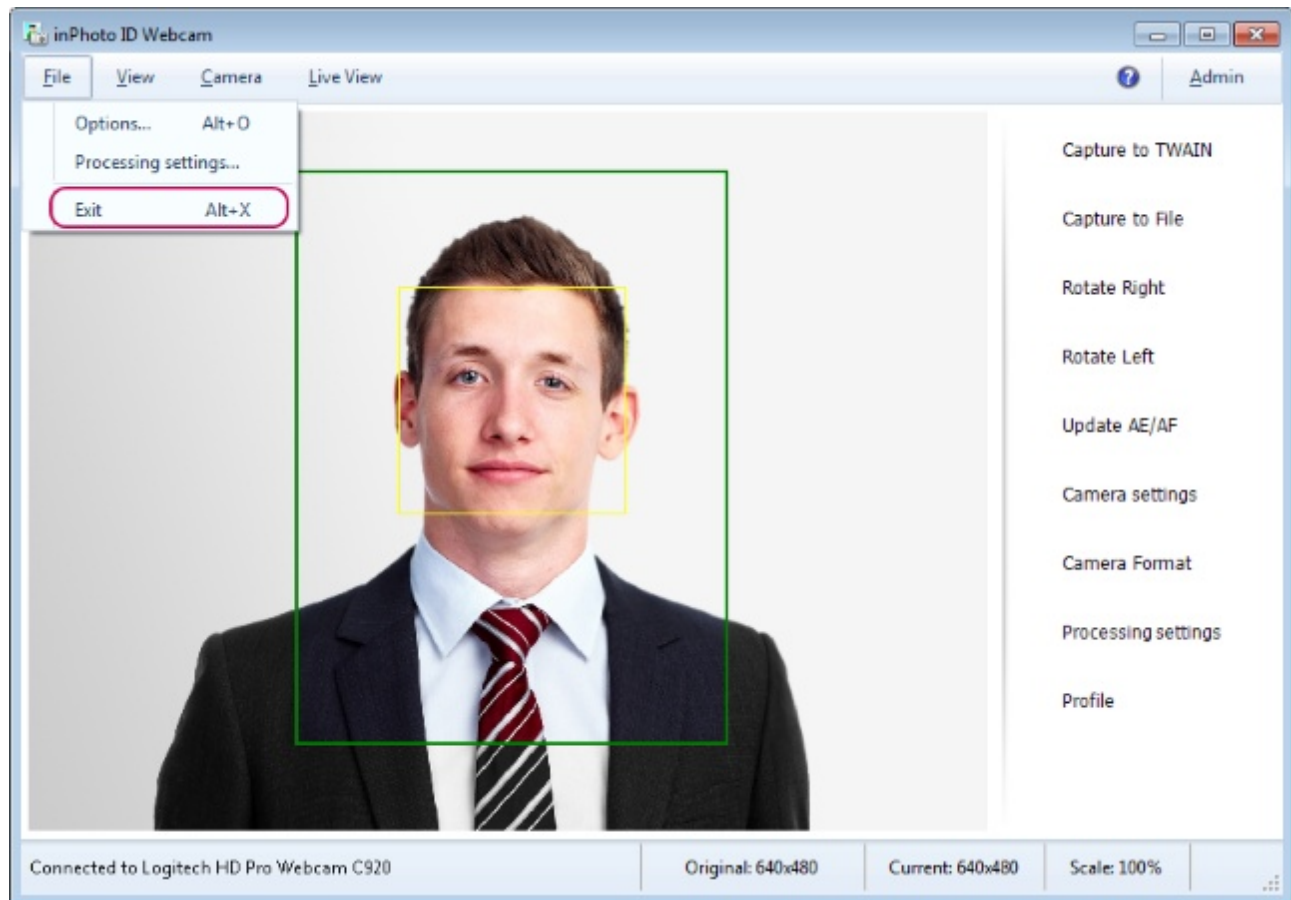




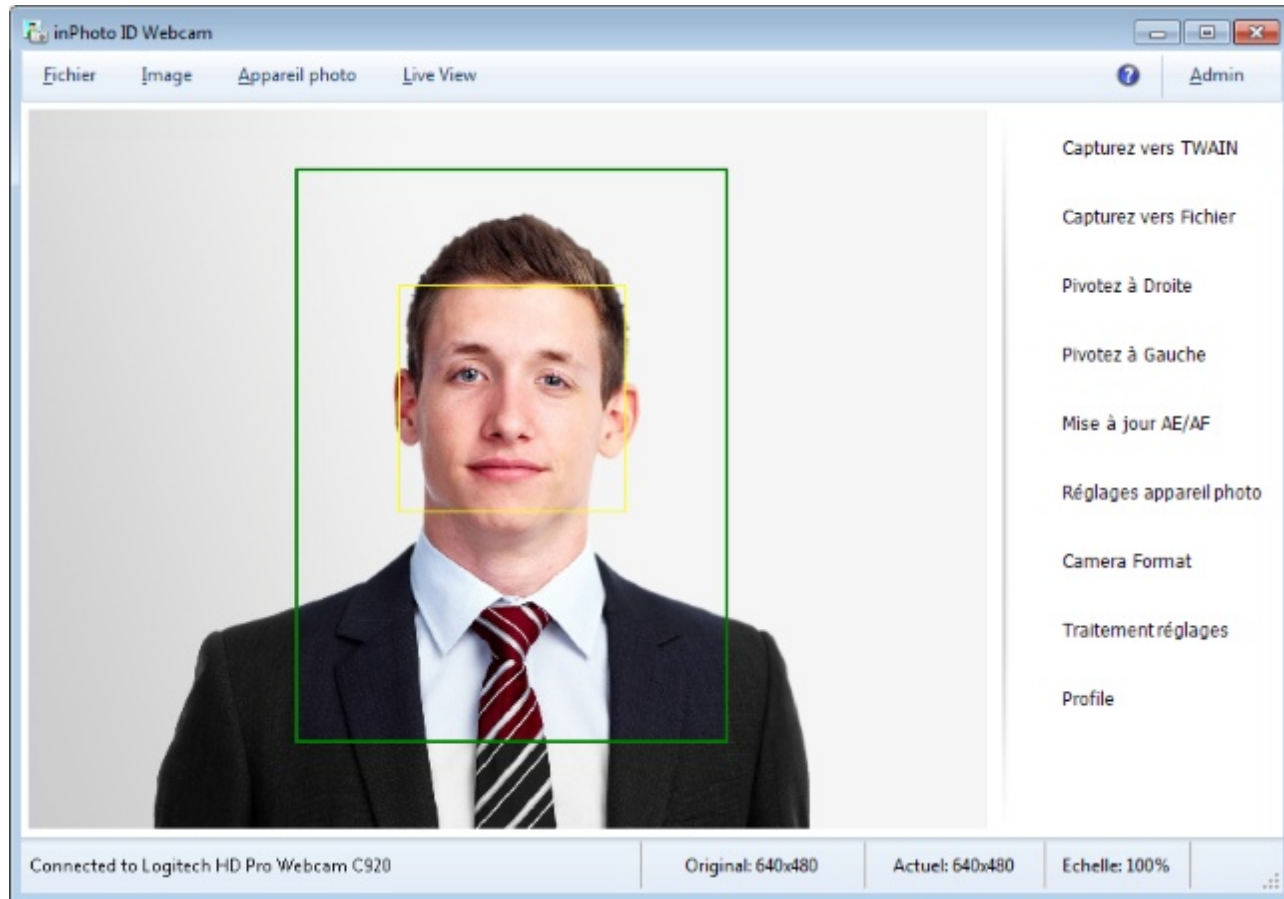
Next, close and restart **inPhoto ID Webcam**.



*Please note that you should to close the program and not to hide to tray. Shutdown of **inPhoto ID Webcam** are detailed in the [Shutdown](#) section.*

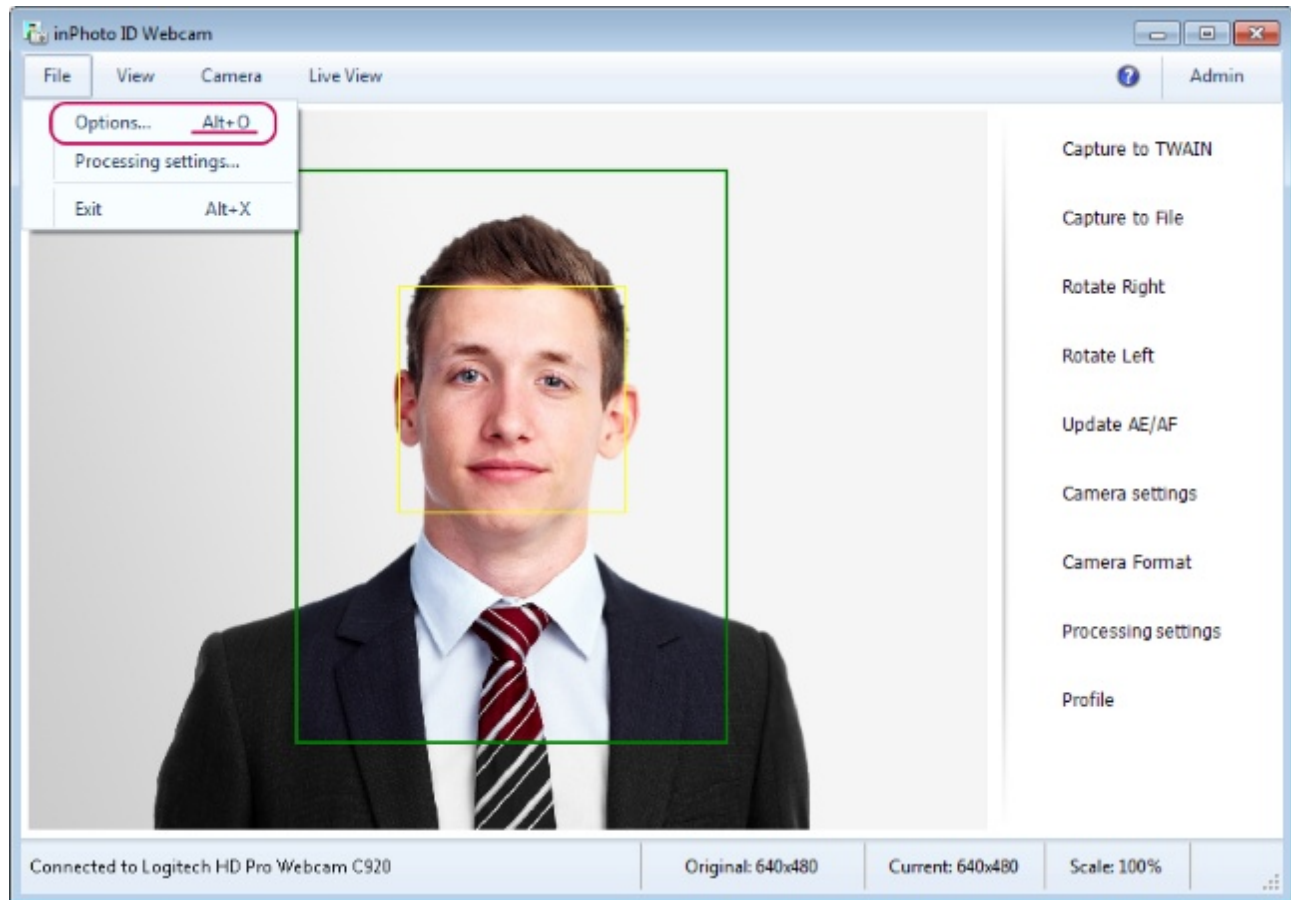


Interface will be displayed with the selected language during the next session of the program.



## Shortcuts

You can get access to many **inPhoto ID Webcam** 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 as shown in the picture below.



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

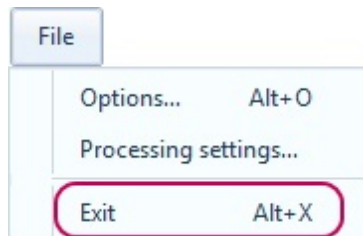
<b>F1</b>	Calls up the help file
<b>F2</b>	Updates auto focus and auto exposition of the webcam
<b>F3</b>	Calls up the window of the webcam properties
<b>F4</b>	Starts up <b>Capture to TWAIN</b>
<b>F5</b>	Starts up <b>Capture to File</b>

<b>F6</b>	Starts up <b>Capture to Clipboard</b>
<b>Ctrl+E</b>	Calls up the <b>Select Camera</b> window
<b>Alt+O</b>	Calls up the <b>Options</b> dialogue window
<b>Alt+X</b>	Closes <b>inPhoto ID Webcam</b>
<b>Alt+1</b>	Sets up the scale of the window 10%
<b>Alt+2</b>	Sets up the scale of the window 25%
<b>Alt+3</b>	Sets up the scale of the window 33%
<b>Alt+4</b>	Sets up the scale of the window 50%
<b>Alt+5</b>	Sets up the scale of the window 75%
<b>Alt+*</b>	Sets up the scale of the window 100%
<b>Alt+6</b>	Sets up the scale of the window 150%
<b>Alt+7</b>	Sets up the scale of the window 200%
<b>Alt+8</b>	Sets up the scale of the window 250%
<b>Alt+9</b>	Sets up the scale of the window 300%
<b>Alt+0</b>	Sets up the scale of the window 400%

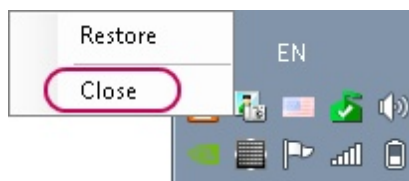
# Shutdown

There are four ways to complete **inPhoto ID Webcam** 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.



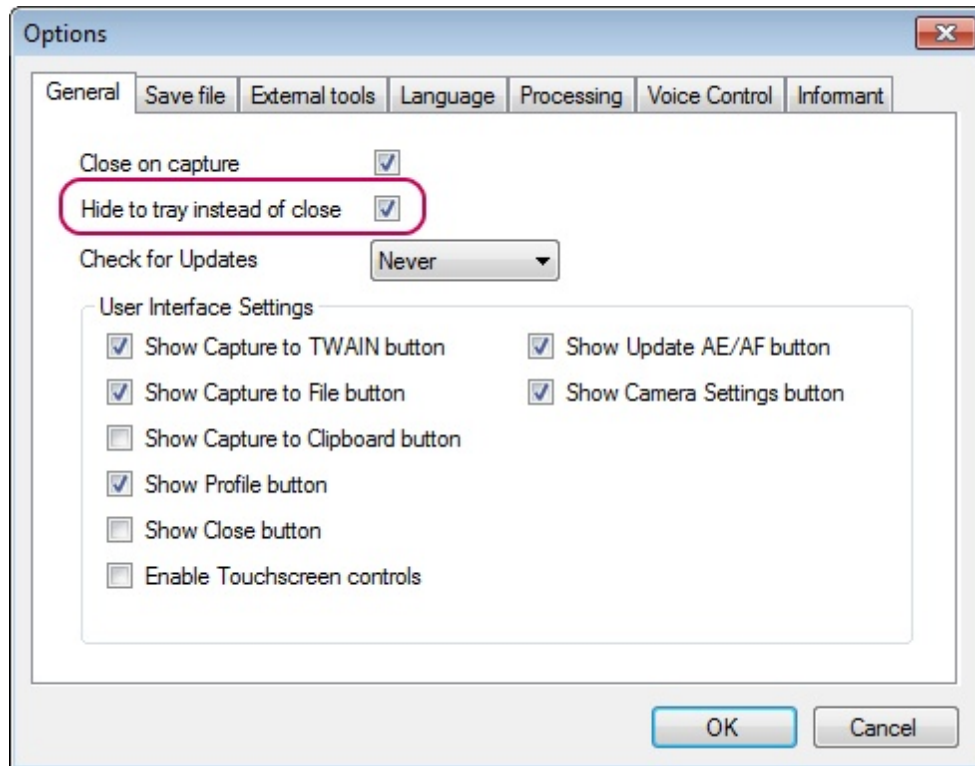
The second way is applicable if the application is minimized to tray. In this case, call up the context menu on the application icon and choose **Close**.



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 **inPhoto ID Webcam** by minimization to tray. The setting influences closing of the application with the  button and its automatic closing after image capturing 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 image capturing. 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.



*It should be reminded that image capturing is executed by the **Capture to TWAIN**, **Capture to File** and **Capture to Clipboard** commands. For more details on image capturing, please see the [Processing](#) chapter.*

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. Camera

The current version of **inPhoto ID Webcam** works with any web camera supporting UVC/WDM protocol, for example Logitech or Microsoft webcams, Videology and Lumenera ID cameras. The list of the recommended camera models is provided on our website on the product page: [idphotocapture.com/products/inphotoid-webcam](http://idphotocapture.com/products/inphotoid-webcam).

The contents of the chapter are as follows:

[Connection](#)

[Update AE/AF](#)

[Camera Setting](#)

[Camera Format](#)

## Connection

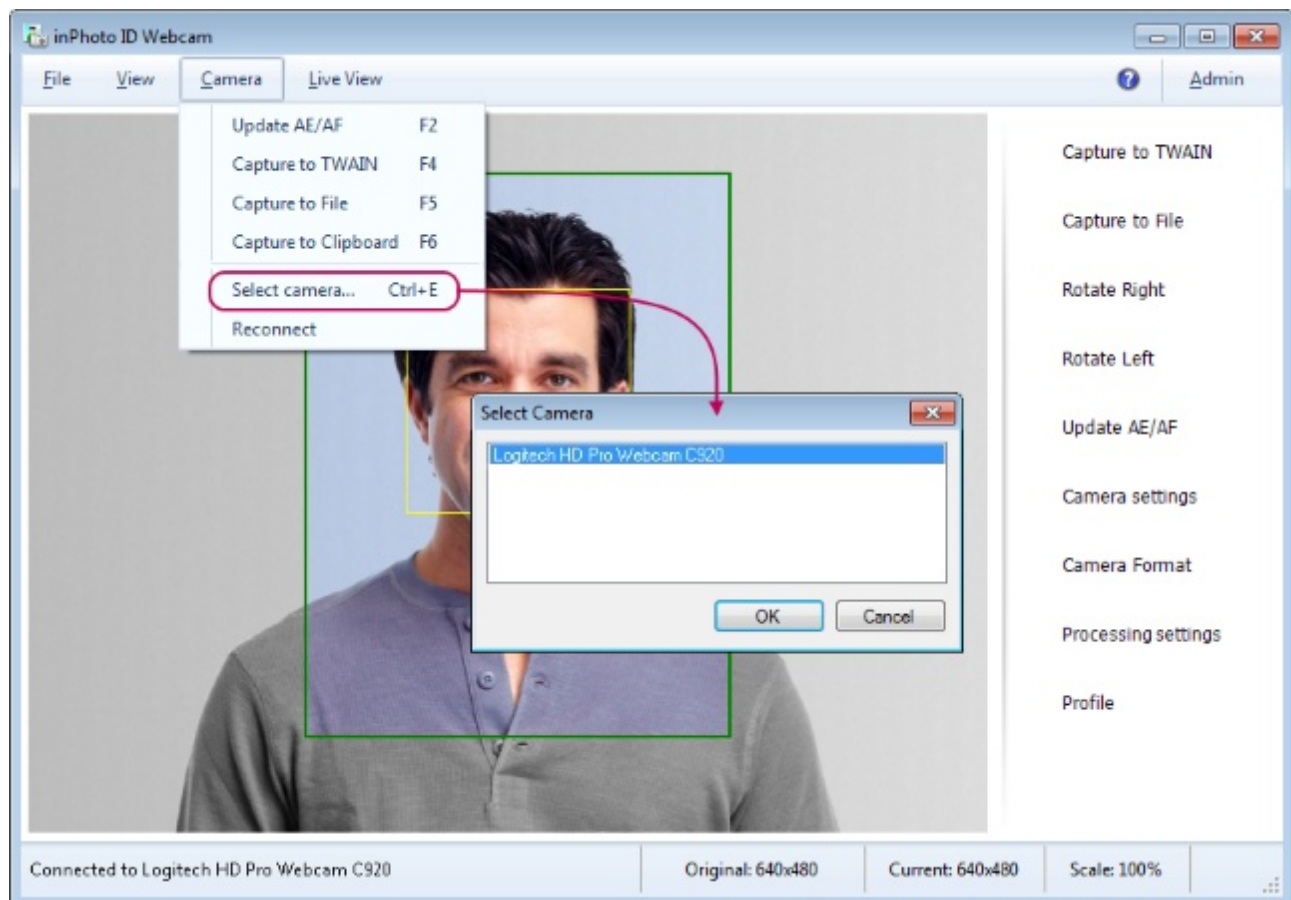
When starting **inPhoto ID Webcam** is establishing a connection to the first webcam connected to the PC. The Image from the connected webcam is transferred to the program preview, the webcam control and setting are carried out from **inPhoto ID Webcam**.



*The first few seconds after a webcam has been connected the preview image may be blurry, dark, with the incorrect colors etc. That happens because the automatic setting of the webcam parameters requires some time. The image usually becomes normal several seconds later.*

## Webcam Selection

If several webcams are connected to the PC you can open the **Select Camera** dialogue and connect the right webcam to the program. The dialogue is launched via the **Camera** main menu > the **Select camera** item. The dialogue contains a list of all webcams connected to the PC. Select the right webcam from the list and press the **OK** button.

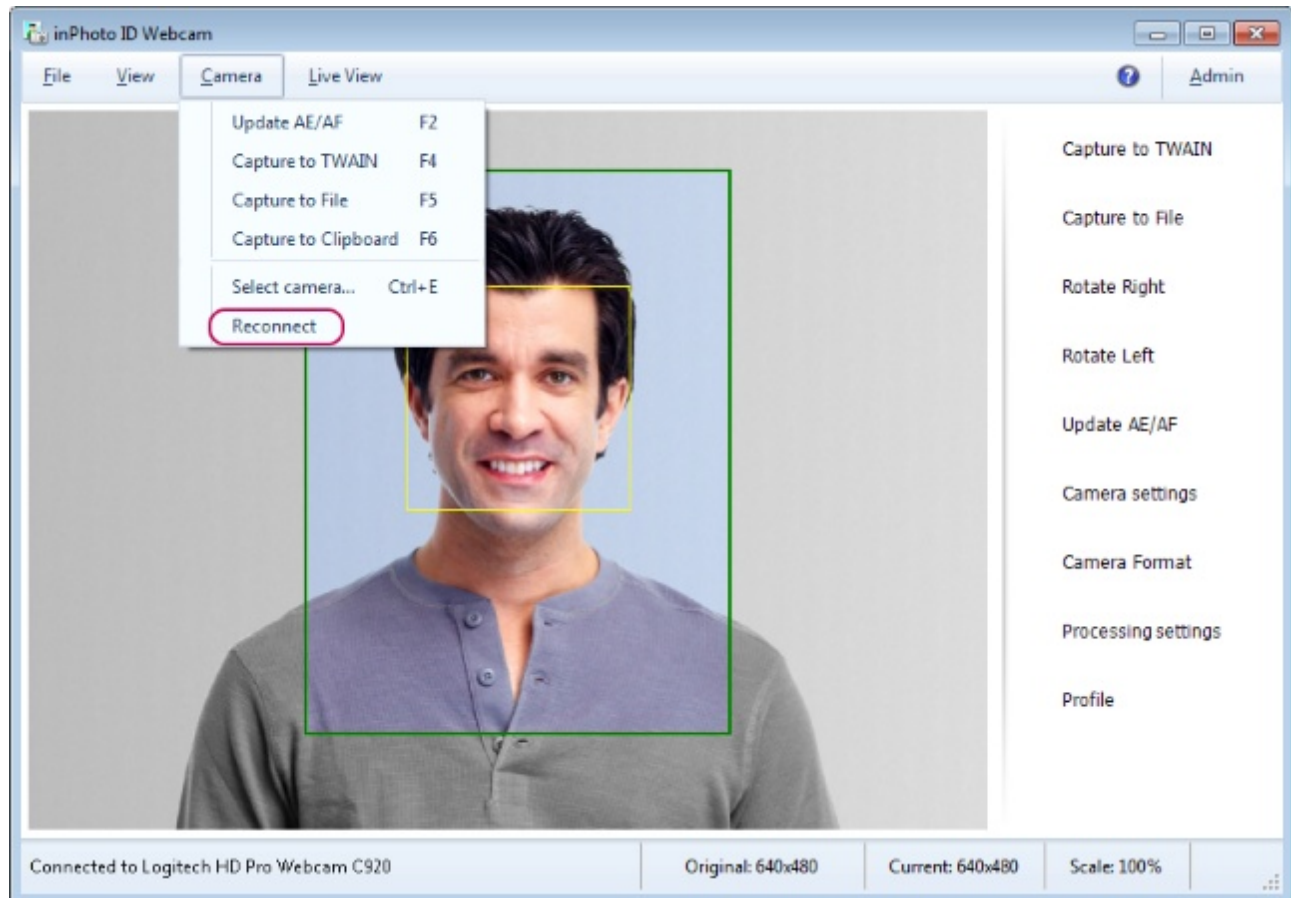




Upon a new start, **inPhoto ID Webcam** automatically connects to the webcam which has been connected the last before closing the previous program session.

## Webcam Reconnecting

If any problems have been occurred during webcam working or connecting to the program - please use the **Camera** item > **Reconnect**. The command executes switching on/off the webcam that usually helps.



# Update AE/AF

## Updating Webcam Autoexposure and Autofocus

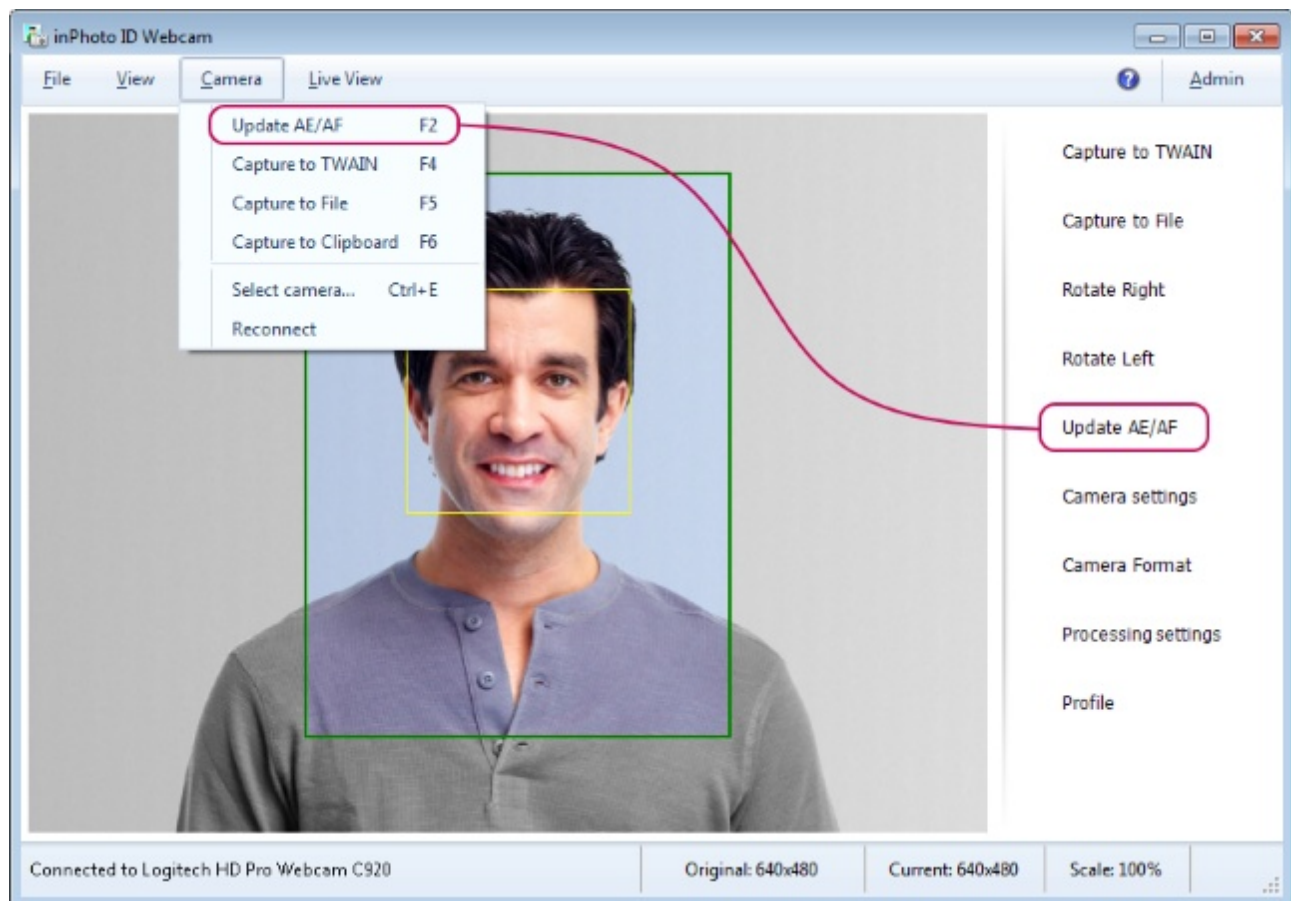
The exposure and focus are automatically determined by most webcams. The mechanisms that calculate them are named respectively: autoexposure and autofocus.



**Autoexposure** is an automatic camera mechanism that determines the shutter speed and the diaphragm depending on the light conditions.

**Autofocus** is an automatic camera mechanism that determines the focal length to shoot the most sharp picture.

If failures occurs in determining focus or exposure, the mechanism of automatic setting of the webcam parameters may be restarted. Under **inPhoto ID Webcam**, this mechanism is launched by the **Update AE/AF** command. The **Update AE/AF** command is located in the **Camera** main menu. Also by default, the command is placed in the side menu.



## Camera Setting

Under **inPhoto ID Webcam**, you can configure and control the webcam directly via its driver. Through addressing directly to driver, the user has access to all webcam features without leaving the **inPhoto ID Webcam** window.



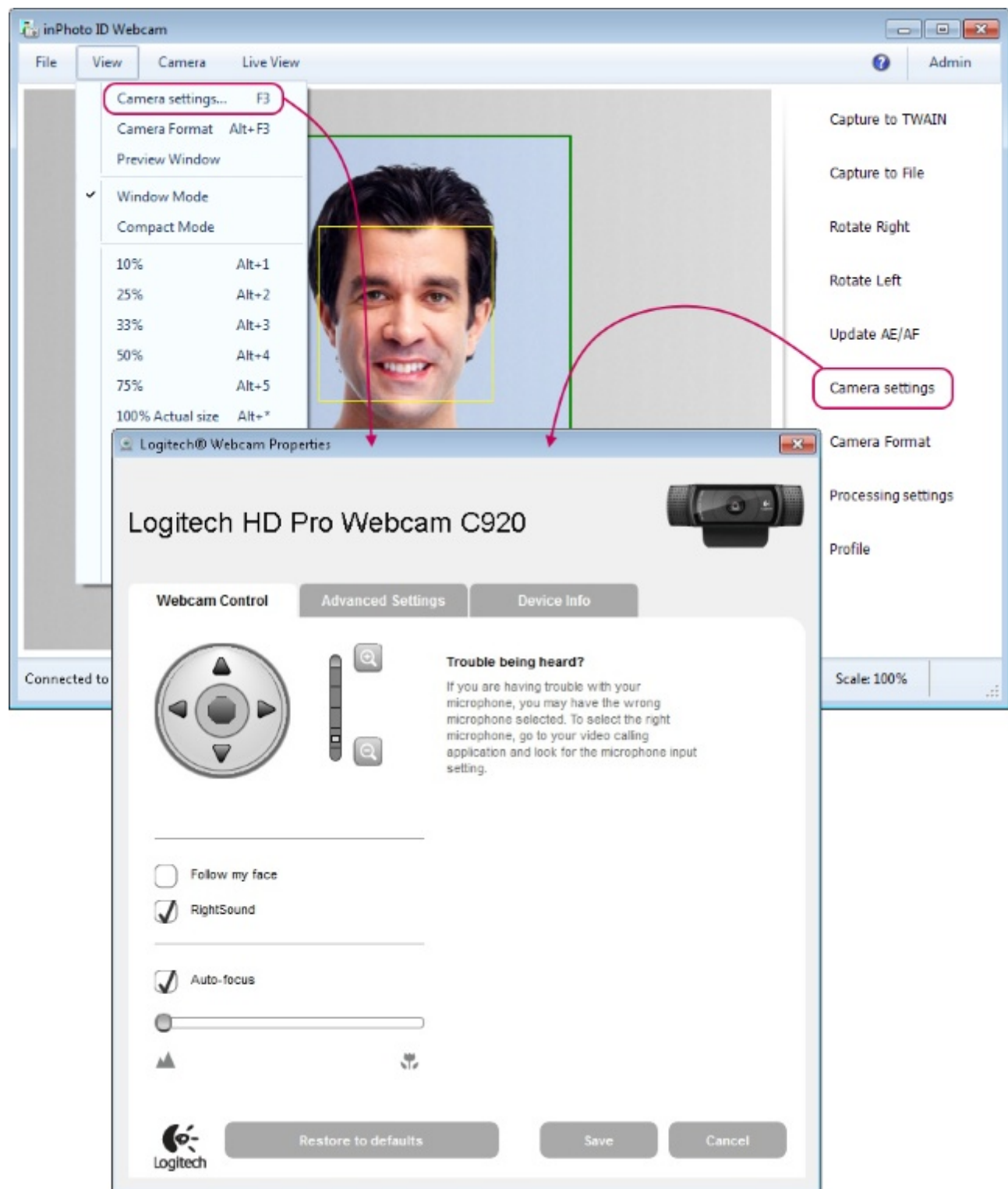
*The webcam settings window is the driver's window, not the **inPhoto ID Webcam** window and therefore the interface language of the window may be different from the interface language of **inPhoto ID Webcam**.*

The command that launch the window of the camera settings is located in the **View** main menu > **Camera settings**. By default, the command is also added in the side menu.



*Please remember that the set of the side menu buttons is regulated by settings located in the **File** main menu > **Options** > the **General** tab > the **Interface** item.*

Most of the modern webcam settings are identical. Let's take a look at the webcam settings on the example of the **Logitech HD Pro Webcam C920** model.



The **Logitech HD Pro Webcam C920** settings window has three tabs **Webcam Control**, **Advanced Settings** and **Device Info**.

The **Webcam Control** tab contains such settings as webcam rotation, zoom, focus following the face in the frame, autofocus on-off and the microphone on-off (the microphone is built into this model).



On the **Advanced Settings** tab, you can define exposure, gain, brightness, contrast, color intensity, white balance, anti-flicker and image orientation.

Change of settings will be immediately displayed in the preview.



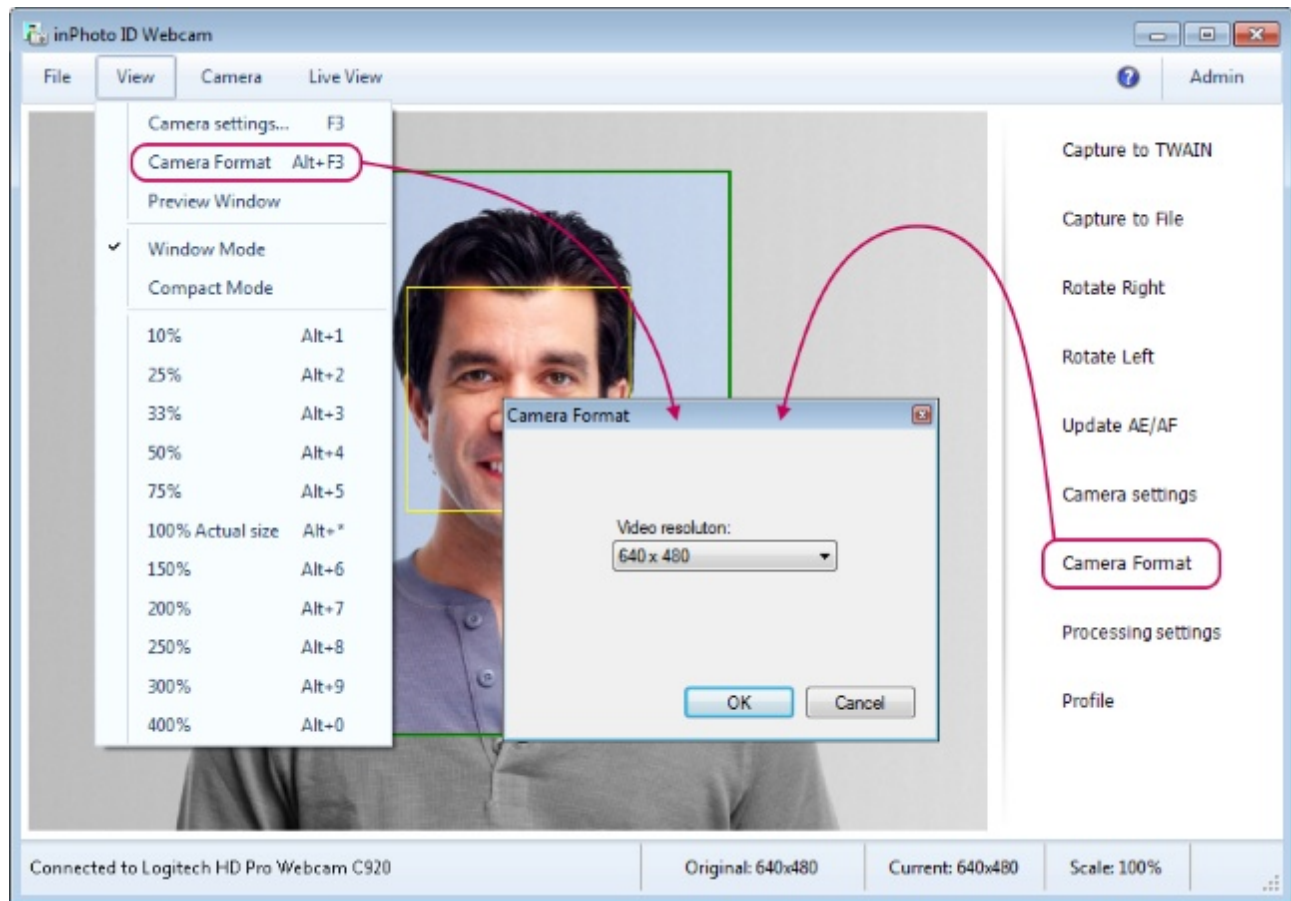
The **Device Info** tab contains common information on the camera and driver as well as reference to details on device configuring and support.





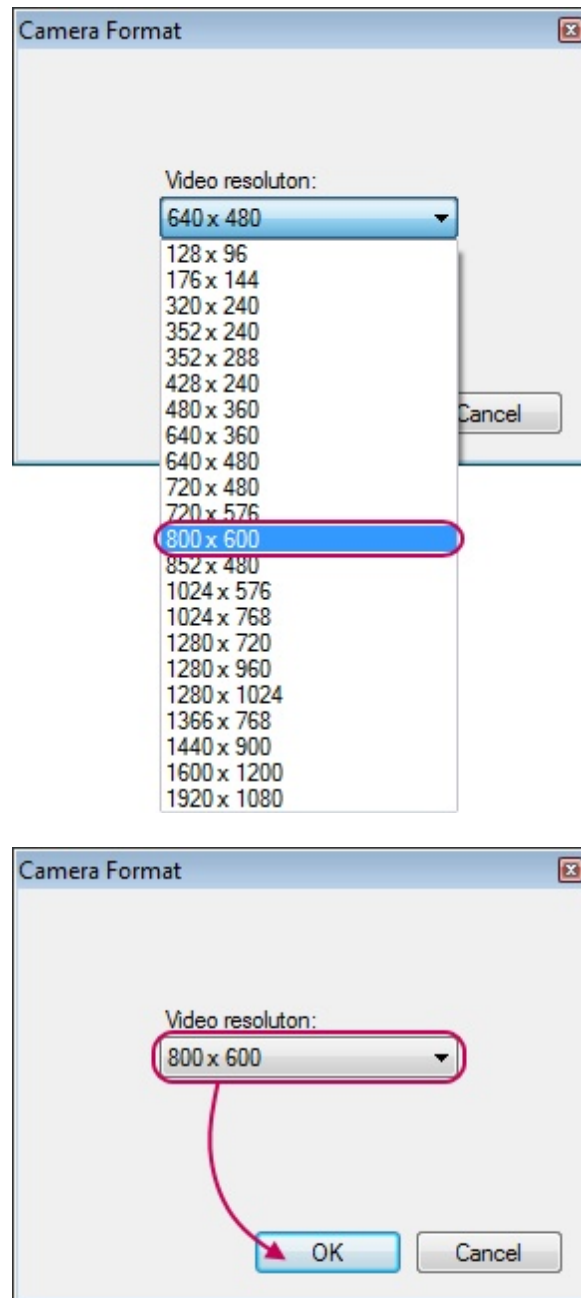
## Camera Format

The **Camera Format** command is located in the **View** main menu it is also duplicated in the side menu.



**Camera Format** opens a dialogue window that contains a list of possible resolutions for the connected webcam.

To change resolution, please select the necessary row from the list and press the **OK** button.



*If the **Camera Format** window is opened, the image transfer from the webcam stops and preview freezes.*

The selected resolution will be applied to both the preview and the captured image.

## Chapter 4. Preview

In the preview area, you can see image transferred by the webcam with the setting that you have set in **inPhoto ID Webcam**.

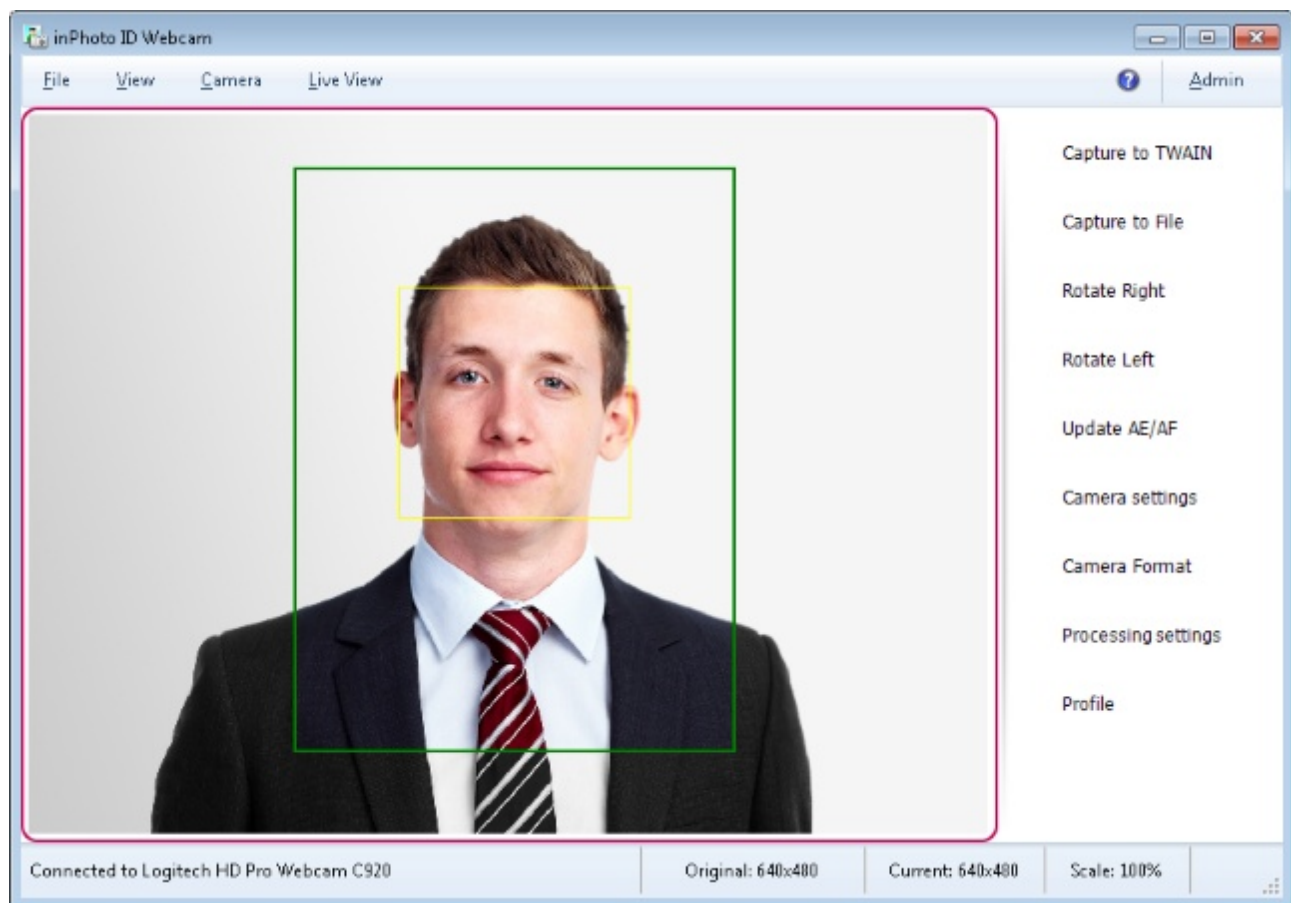
The image preview is important before shooting because if you cannot see the future result then it will be very difficult to build a correct frame and to set the required settings.



*Hereinafter, the preview area will also be referred to as "preview".*

The change of any webcam parameter that affects image is displayed on the preview immediately.

The change of the **inPhoto ID Webcam** settings for frame building is also displayed on the preview immediately. The change of the **inPhoto ID Webcam** settings for image correction such as brightness, contrast, gamma etc. is not displayed on the preview. The result of image correction you may be seen in the **ID Image Processing** dialogue during processing. The image processing dialogue and the settings for image correction are described in details in the [General Settings](#), [ID Image Processing dialogue](#), [Image Correction](#), [Actions](#) sections.



The contents of the chapter are as follows:

[Auto Face Detection](#)

[Tools](#)

## Auto Face Detection

The mechanism of the face detection performs the following: it detects the face area on image, it calculates the area of the future processed photo on the basis of the face area and shows the borders of the face area and the area of the future ID photo on the preview.



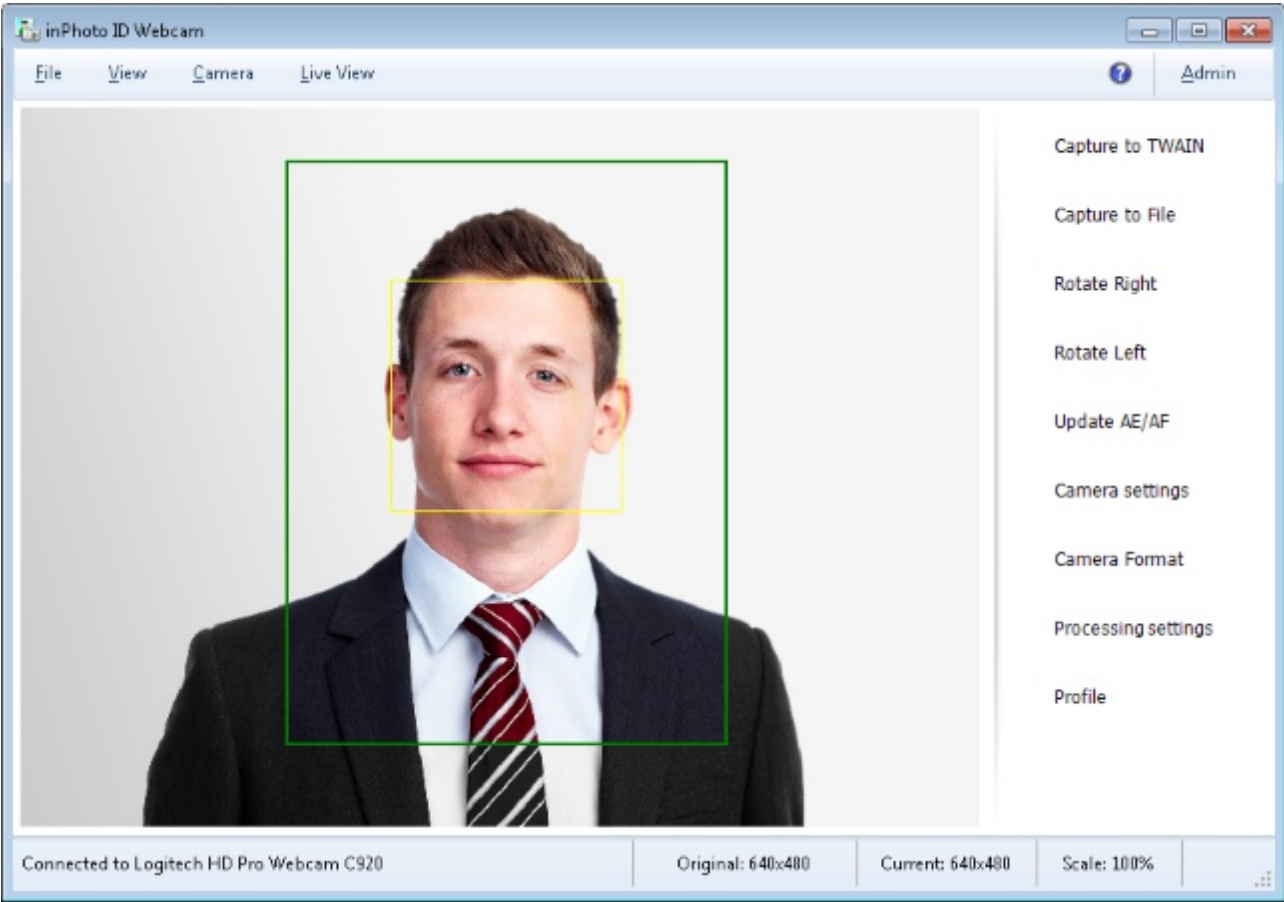
*Hereinafter, the preview area will also be referred to as "preview".*

The area of the future photo calculated on the basis of the settings selected by the user. The user can set such parameters of the future photo as dimensions, proportions ( the form of the shot ), the face location in the shot ( strictly at the center or closer to the shot border), zoom for area occupied by a face in the shot (the face can take a larger or a smaller part of image).

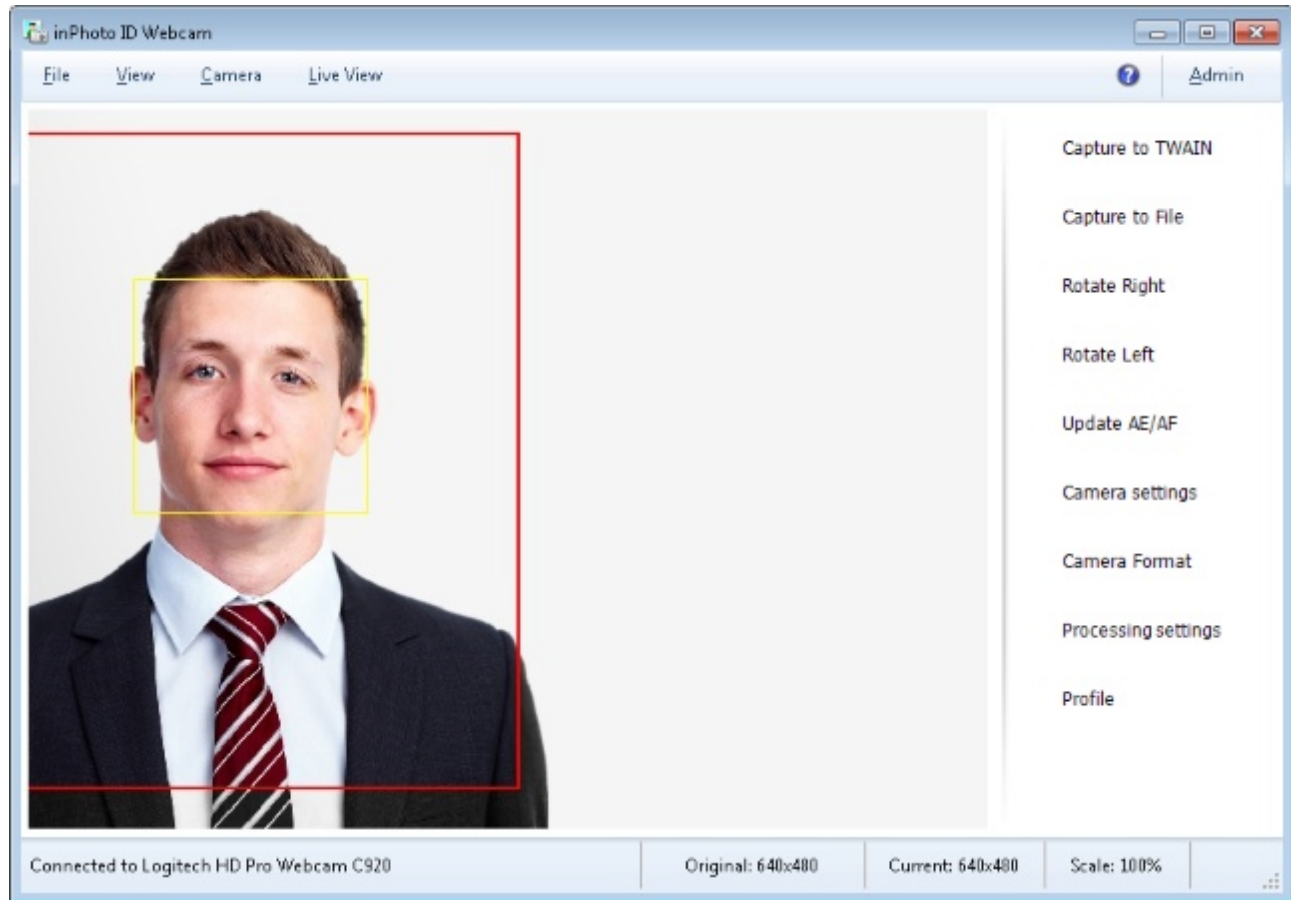
To get more info about frame building, please see in the [Frame Setting](#) section.

On the preview, the face area is highlighted with a yellow frame. There will be no frame if no face is detected or the face detection is disabled in the program settings.

The area of the future processed photo also has a frame around on the preview, but green. The image will be cropped on the basis of this frame.

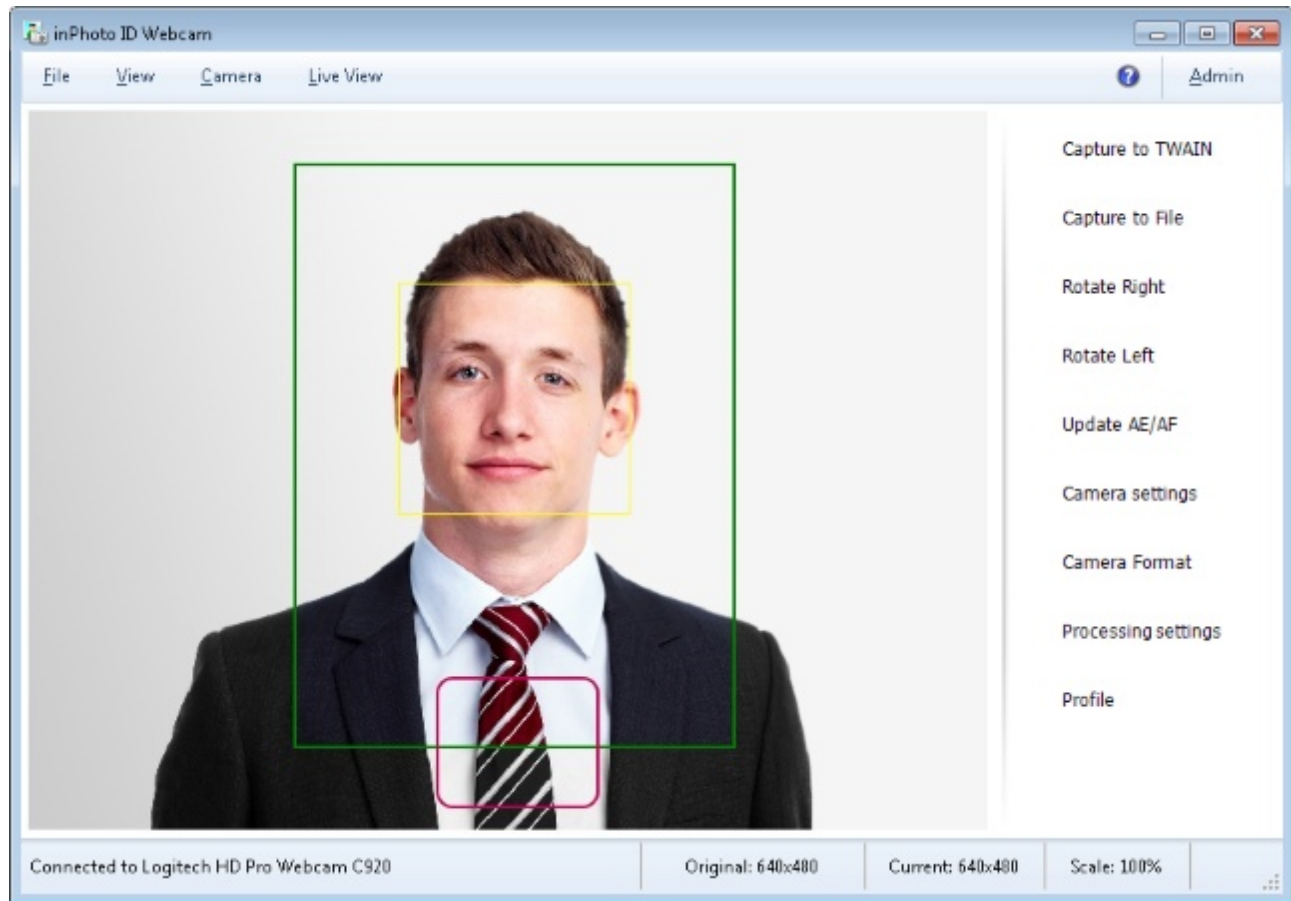


The frame of the future photo may change color to red; it means that the distance between the frame and the edge of the image is less than you have set in the settings. It may take place if the face is located too close to the edge of the photo.



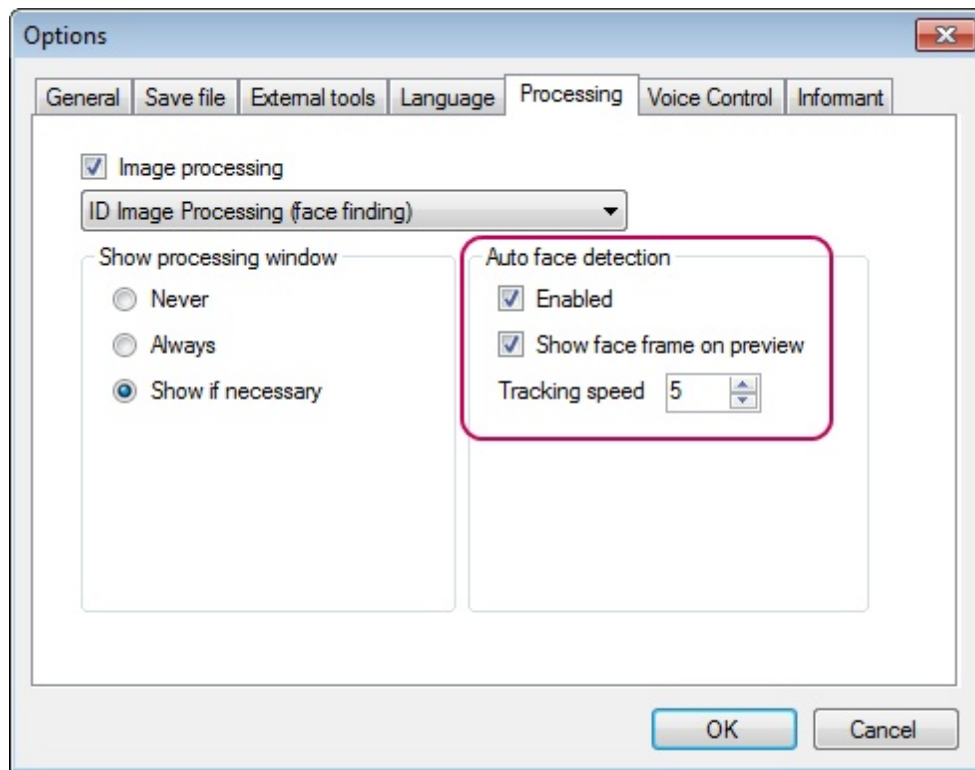
If the face detection is enabled, the image on the preview will be divided into two areas: color and black/white. The area located inside the image frame is displayed in natural colors. The area located outside the image frame and will be cropped after processing is displayed in black and white. Such a mechanism gives you a better view of the future processed image.

On the picture below, a fragment with a tie is highlighted; it illustrates best the difference in colors between the frame inside and outside areas.





The settings for the face detection are located in the **File** menu > **Options** > the **Processing** tab > the **Auto face detection** item.



Let's describe function of the each setting.

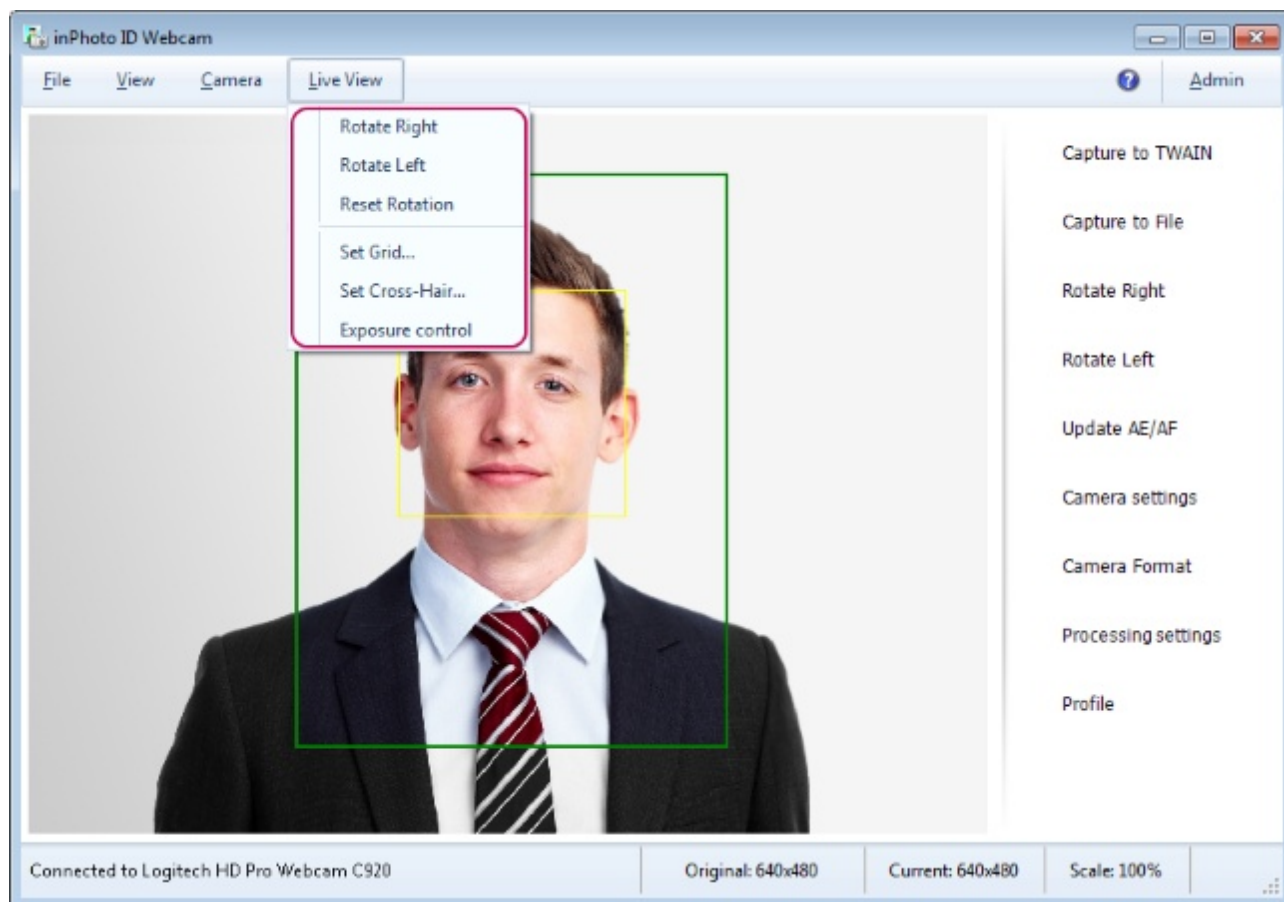
**Enabled** switches on/off the face detection, both for to the preview and for the processing. If **Enabled** is off all settings related to the face detection and frame building won't be applied to the image.

**Show face frame on preview** switches on/off the face detection only on the preview. The setting doesn't affect image processing.

**Tracking speed** sets the frame number in the frame stream received from the webcam where a face is to be found. By default, the tracking speed is set to 6; it means that the program will search face on every sixth frame received from the webcam. For example, if the value is 10, the tracking speed will be lower because the search will be executed only on every tenth frame. Decreasing the search speed reduces charge on your PC. Increasing the tracking speed may be needed if the image changes rapidly. So, the setting helps you to choose the optimal tracking speed according to the shooting conditions and capabilities of your PC.

# Tools

The tools for the preview are located in the **Live View** menu.



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

**Rotate Right/Left** rotate image by 90 degrees to the right or to the left. The image rotation is displayed on the preview and is taken into account in processing. The webcam rotation to the portrait mode allows to increase the useful image area because the format of identification images generally has greater high. As the result, you can get the final image in a higher resolution than when using a usual landscape webcam orientation. This also applies to the modern HD formats. The webcams with an option for connecting a tripod are best suited to use in portrait mode those are such models as Logitech HD Pro Webcam c920 или Microsoft LifeCam Studio. Once you set up such webcam on a tripod with rotating head, you can simply set the webcam in portrait mode.

**Reset Rotation** is used to quickly return image to original position after one or several rotations.

The following set of tools is designed to work with exposure and lighting in the shot.



*Composition is the harmonious placing of the various image elements according to the author's intention and allowing to fully deliver him thoughts and feelings to the viewer.*

[Grid](#)

[Cross-Hair](#)

[Exposure Control](#)

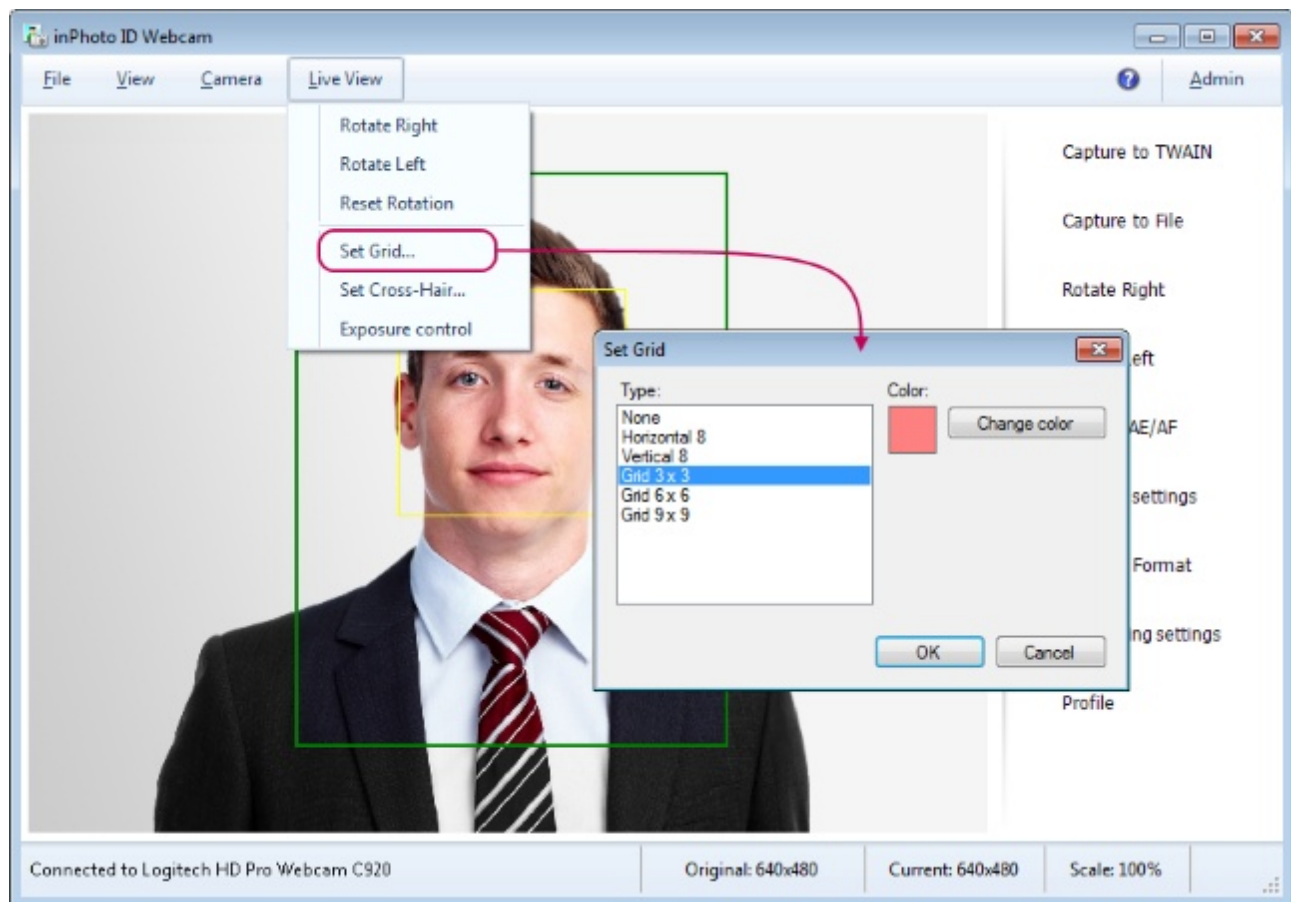
## Grid

The grid is non-printing horizontal and vertical lines covering image. The lines help photographer to align the basic elements of the photo vertically and horizontally. In case of portrait photography, they usually align shoulders and head slope.

*The grid 3 x3 is the most used; it consist of two vertical and two horizontal lines. It is felt that if you look at a photo your eye is focusing its attention on the lines dividing image into thirds.*

*Photographers call this the "Rule of Three Thirds". Images look more interesting and harmonious if the basic objects are placed at the borders of the thirds. For portrait photography, this rule is applied to reveal and emphasize the face features. As usual, the eyes and the lips are typically placed on the "attention" lines.*

You can select type and color in the **Set Grid** dialogue. To open the dialogue, go to the **Live View** menu and select **Set Grid**.

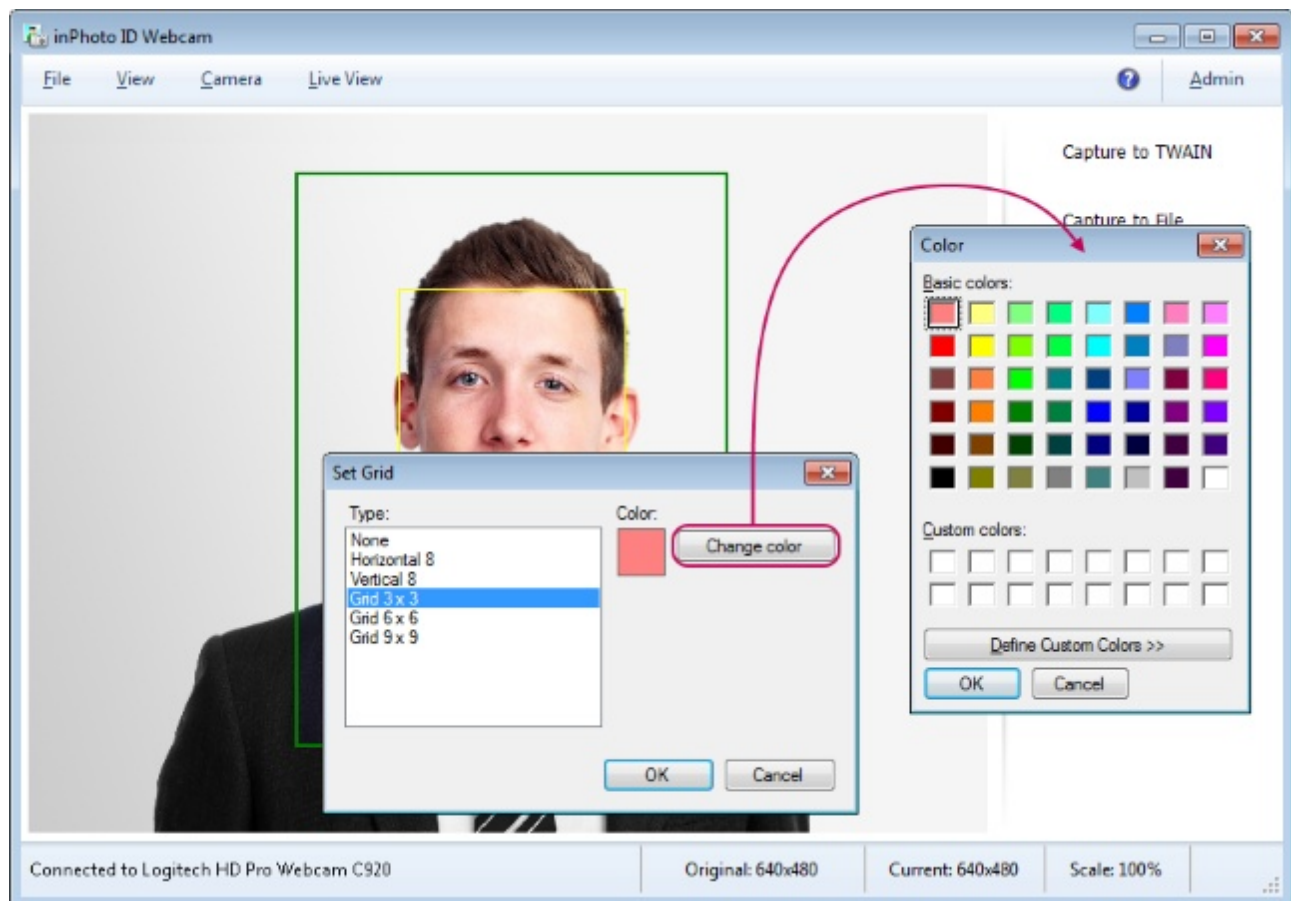


Dialogue Elements:

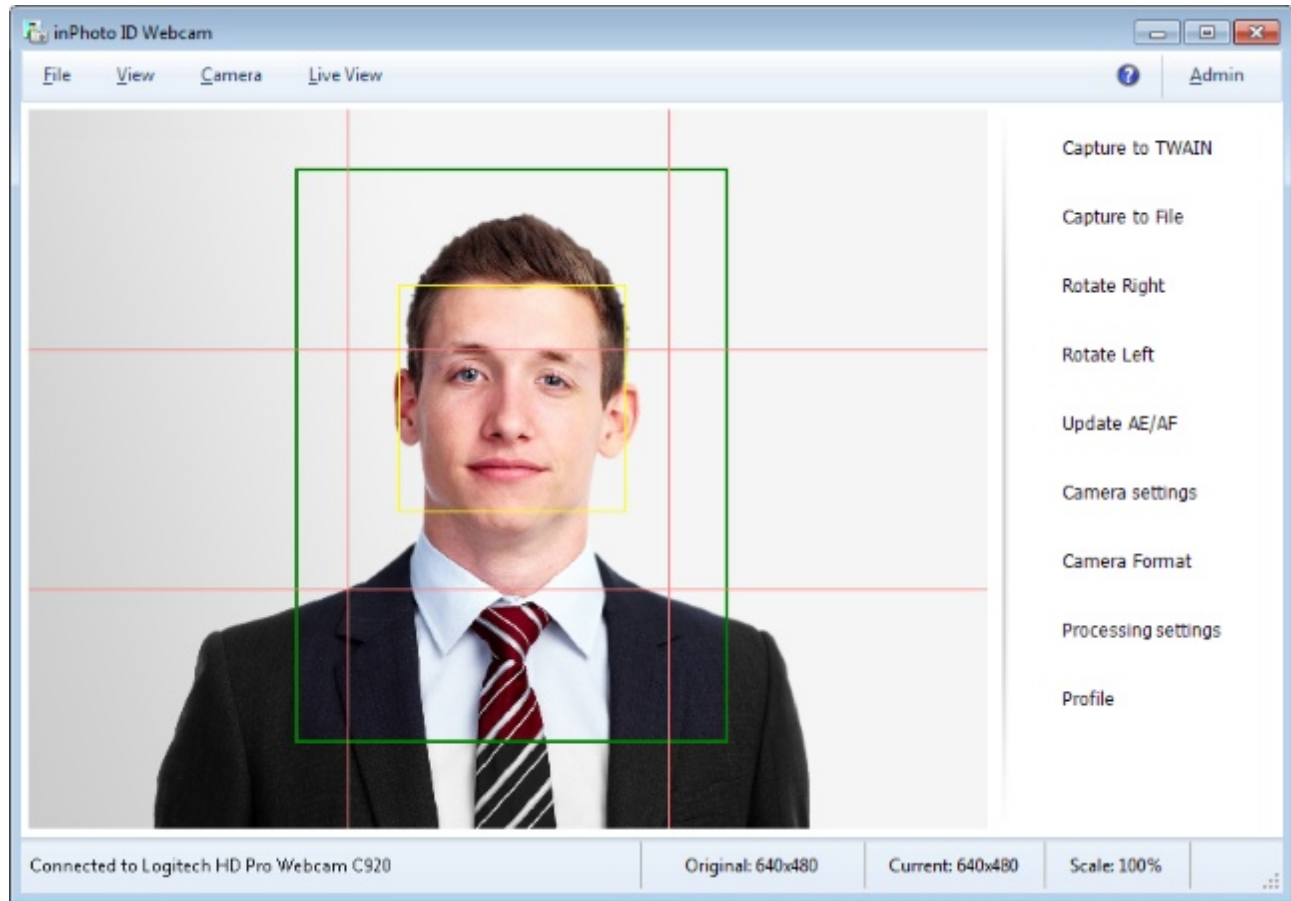
**Type** is a list of the grid types. The list includes both the grids with the lines of different frequency and just the horizontal and vertical lines.

**Color** shows current color of the grid lines.

**Change color** open a system dialogue for color selection.

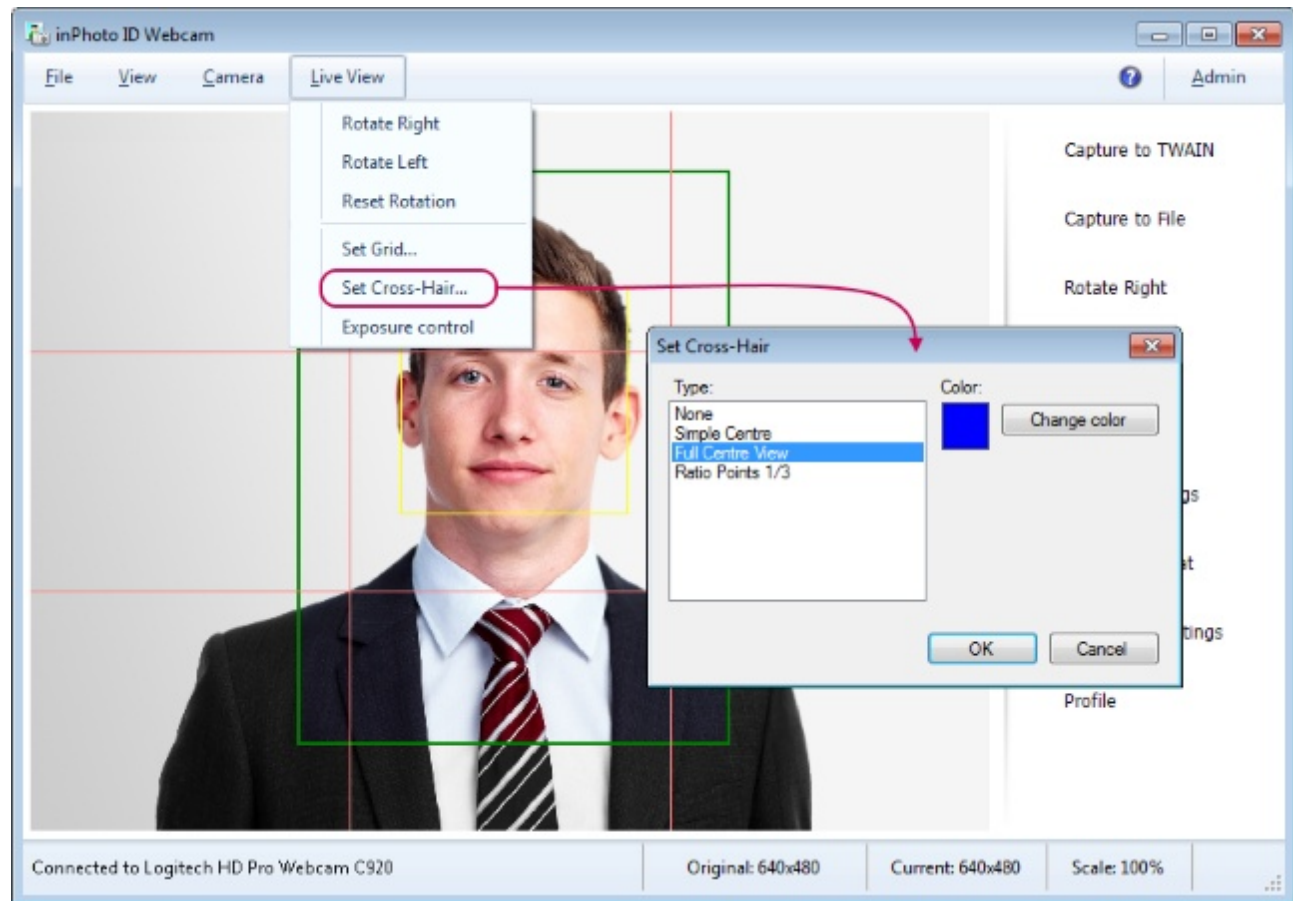


The result of the selected settings is shown in the picture below.

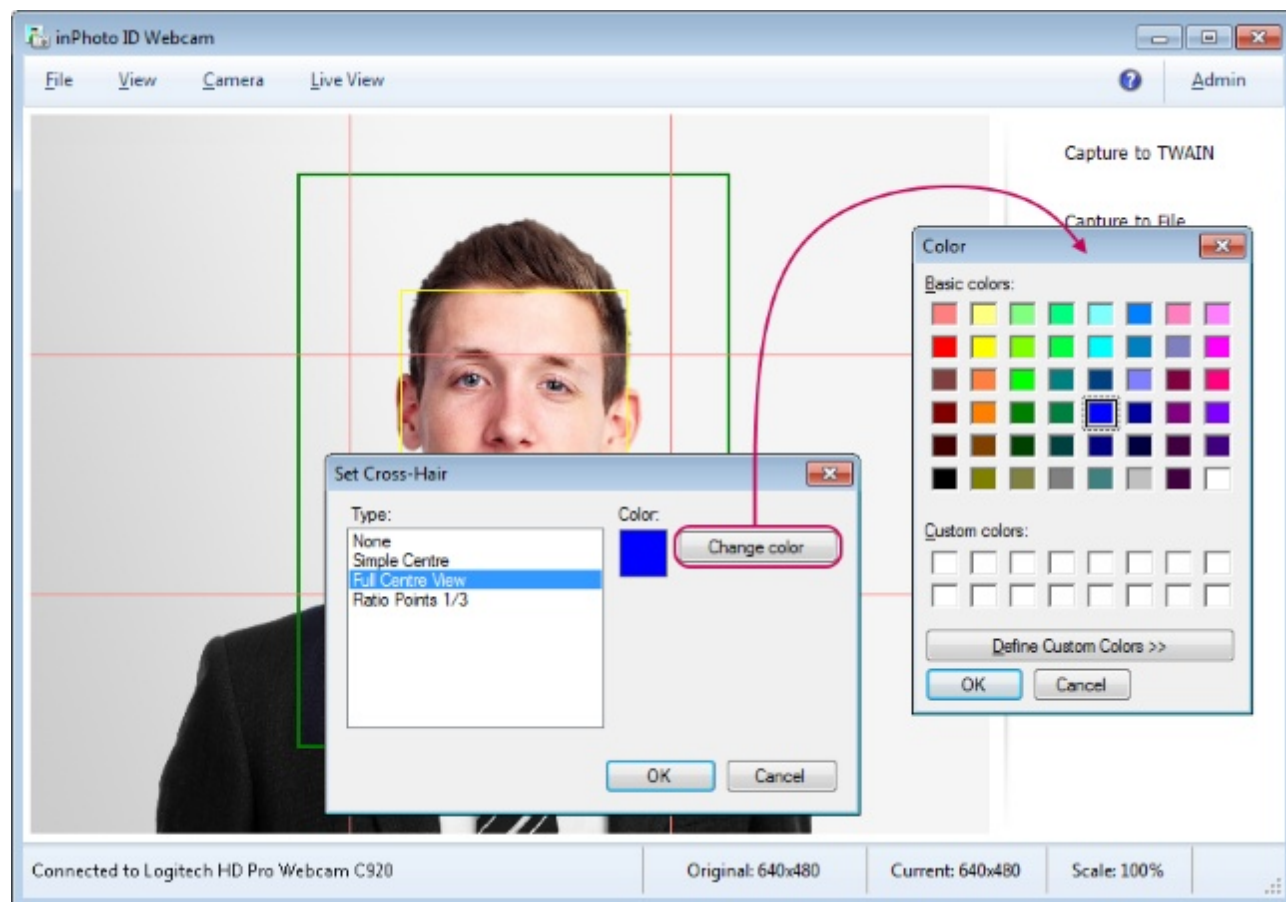


## Cross-Hair

**Cross-Hair** set the center of the image or crossing points of the grid lines.



You can select type and color in the **Set Cross-Hair** dialogue. To open the dialogue, go to the **Live View** menu and select **Set Cross-Hair**.





Dialogue Elements:

**Type** is a list of the cross-hair types. The list includes two cross-hair types that mark the center of the frame and one cross-hair type that marks crossing points of the grid lines.

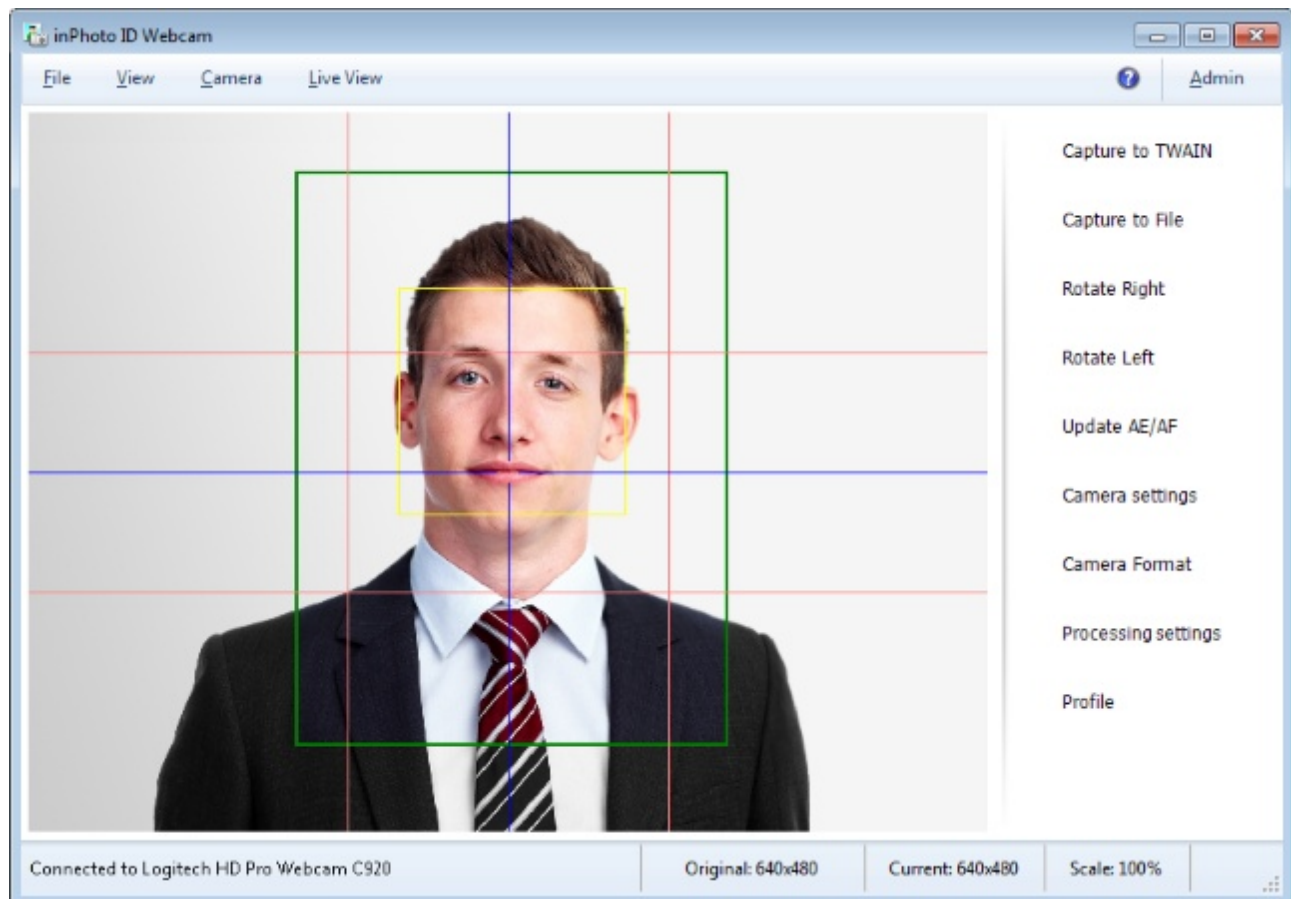
**Color** shows current color of the cross-hair lines.

**Change color** open a system dialogue for color selection.



*It is the most convenient to select colors contrasting with image for the grid and the cross-hair.*

The result of the grid and the cross-hair applied is shown in the picture below.



## Exposure Control

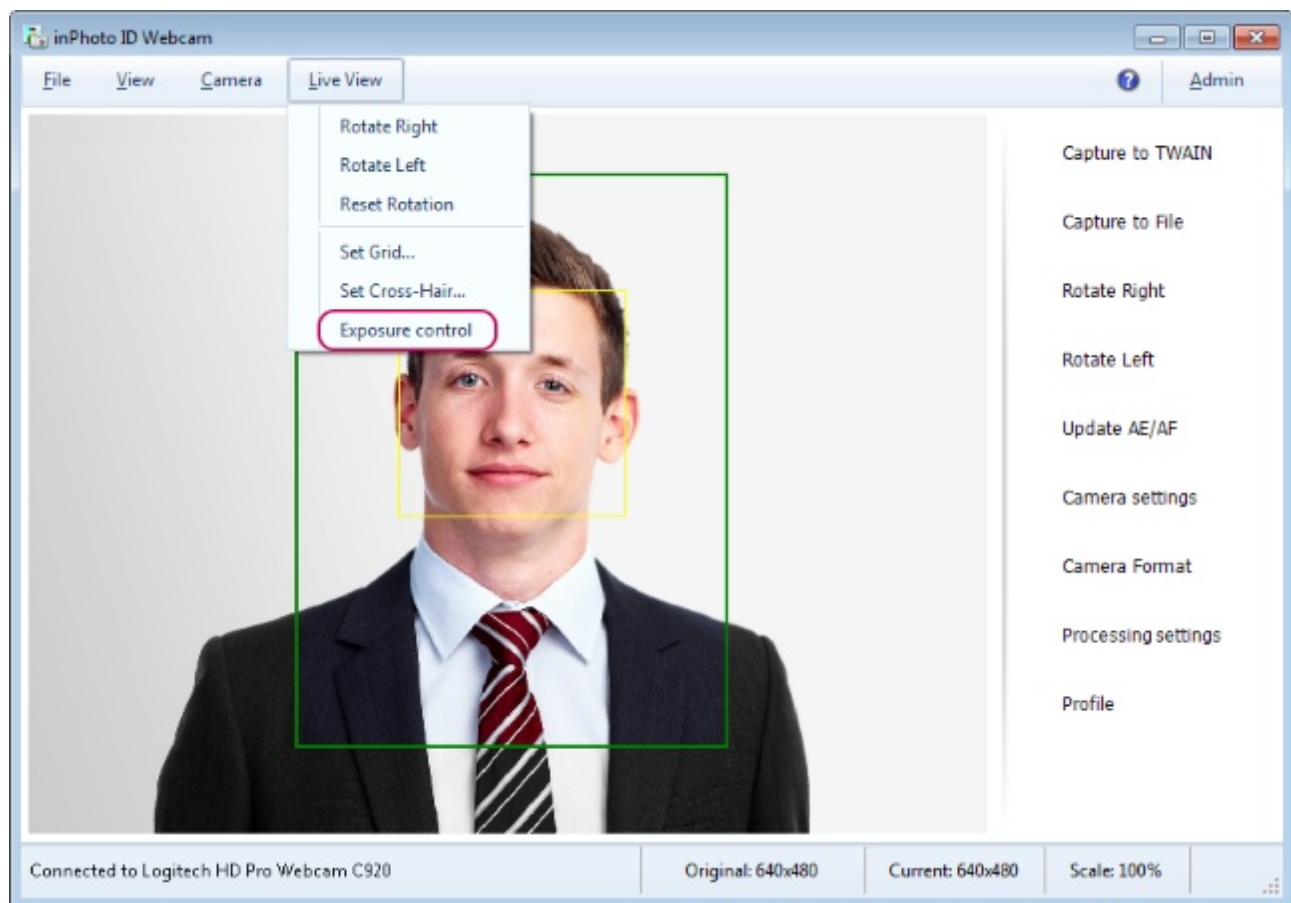
**Exposure control** switches on/off highlighting too light and too dark areas on the preview.



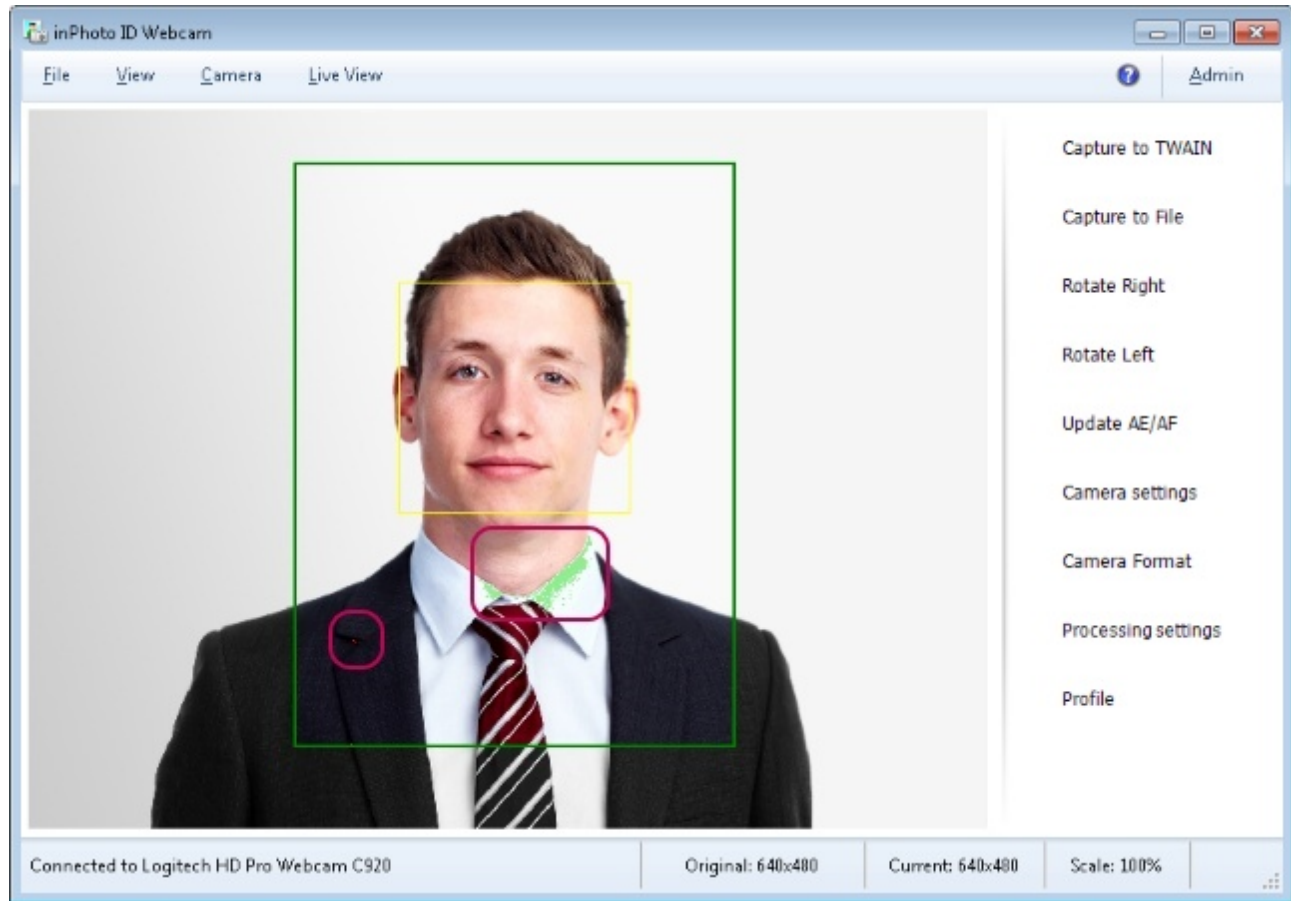
*Exposure is the amount of light hitting a photosensitive material of the camera during a certain period of time.*



***Correct exposure** is such amount of light that makes the largest number of color as bright as possible in a photo.*



Too light image areas are highlighted in green, too dark areas are highlighted in red.



The exposure control helps photographer to choose lighting for shooting to avoid darkened or lightened image.

# Chapter 5. Processing Settings

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

The processing procedure can be divided into several stages.

- 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 image](#)

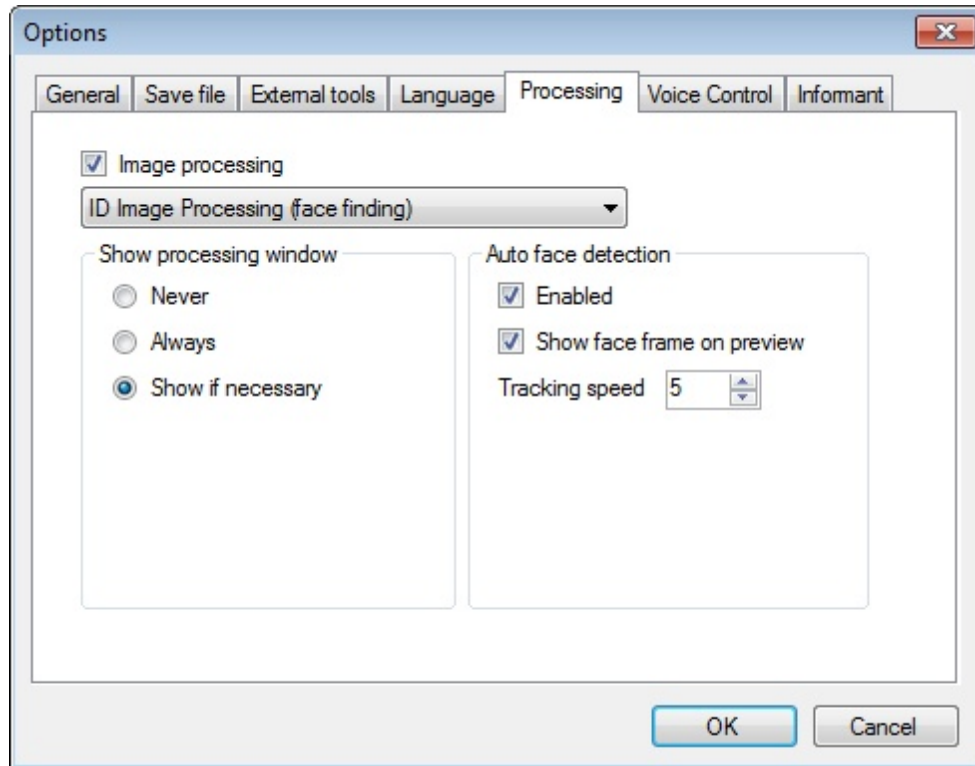
[ID Image Processing dialogue](#)

[Actions](#)

[Processing Completion](#)

## General Settings

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



Let's take a closer look at it.

**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 **inPhoto ID Webcam**, this parameter is **face finding**. If the setting is disabled, a captured image will be saved in the specified folder or passed via TWAIN as well as when the setting is active. In this case, the captured image will not be processed using auto face detection and the processing settings. Processing parameters are located in the **ID Image Processing** dialogue which will be described in details below in the [ID Image Processing dialogue](#) section.

Settings from the **Show processing window** unit determine when the image processing dialogue should be shown to the user during processing.



**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 canceling 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.

So what happens with the images that failed to be processed?

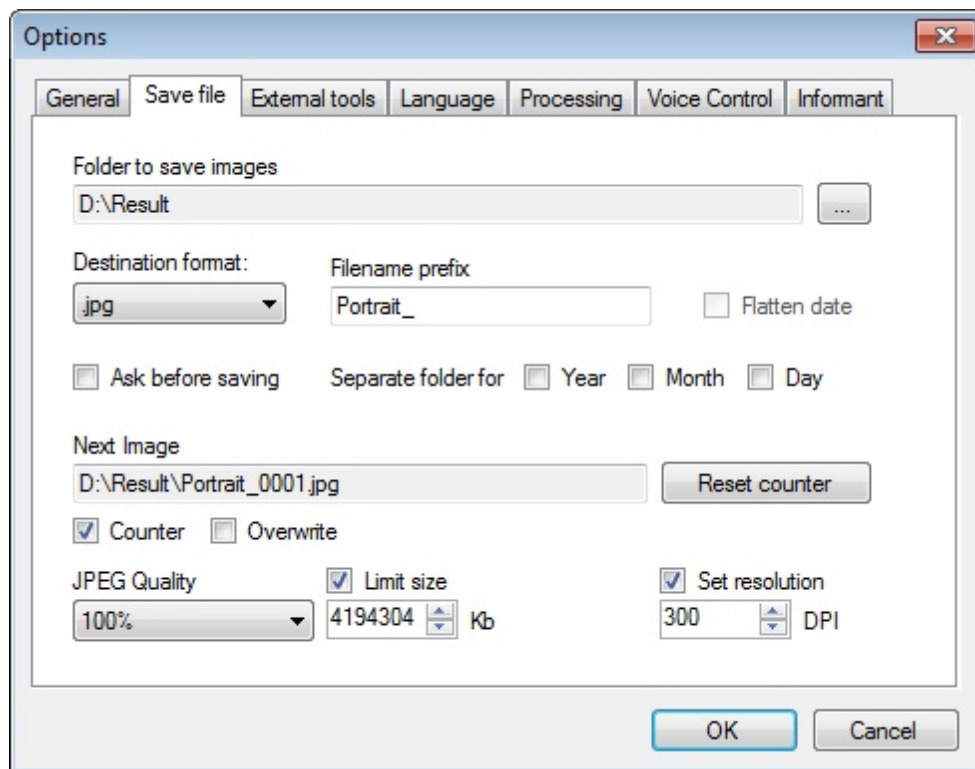
If no face detected on the photo, the settings in the **ID Image Processing** dialogue on the **Frame** tab will not apply to the image. The settings of size and correction in the **ID Image Processing** dialogue will apply both if a face on the image is detected and if not. The processing settings in the **ID Image Processing** dialogue are described in details further in this chapter, the [ID Image Processing dialogue](#) section.

When the face is found, but the outer box does not fit in the image, the image will be cropped after its predefined borders.

Settings contained in the **Auto face detection** and **Exposure control** units have been described earlier in the chapter 4 **Preview** in the [Auto face detection](#) and [Tools](#) sections.

## Image Saving

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



Let's describe function of the each setting.

**Folder to save images** indicates the path to a folder in which the program will save processed image. Please note that the disk must have enough free space for the images, and the access to the folder should be allowed.

**Destination format** - a field for selecting a format in which the processed image will be saved.

**Filename prefix** - is a field for entering a set of characters which will be automatically added to the filename of the processed image.

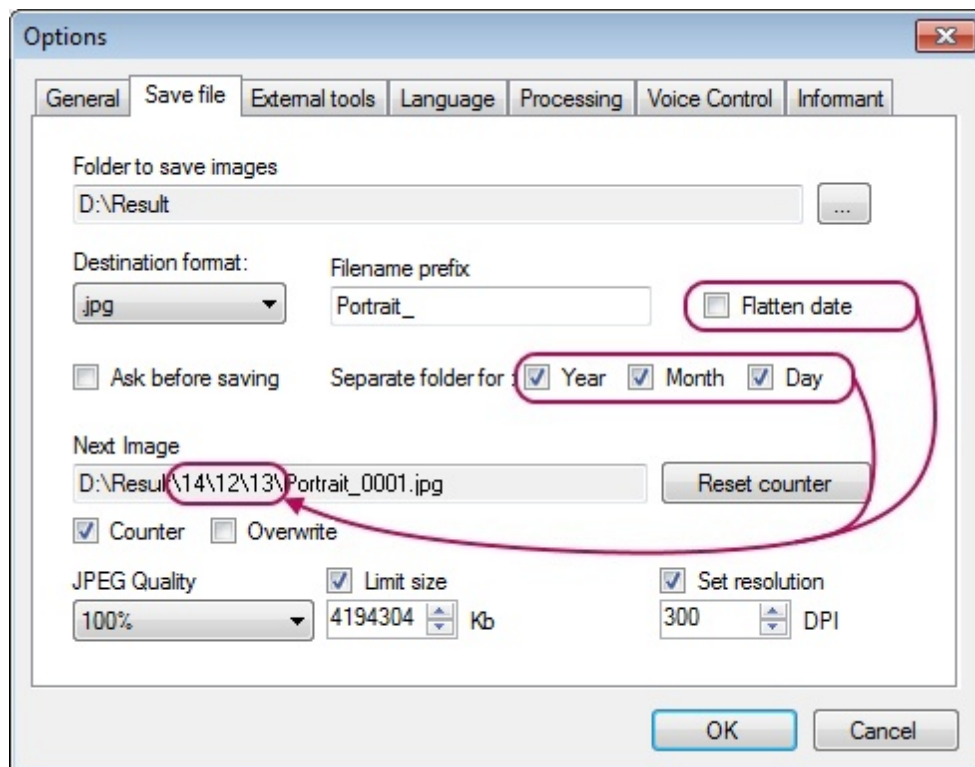
**Flatten date** - on the name of saved file, it merges year, month and day into name of one subfolder. If the setting is switched off, the program will consider year, month and day values as subfolder names.



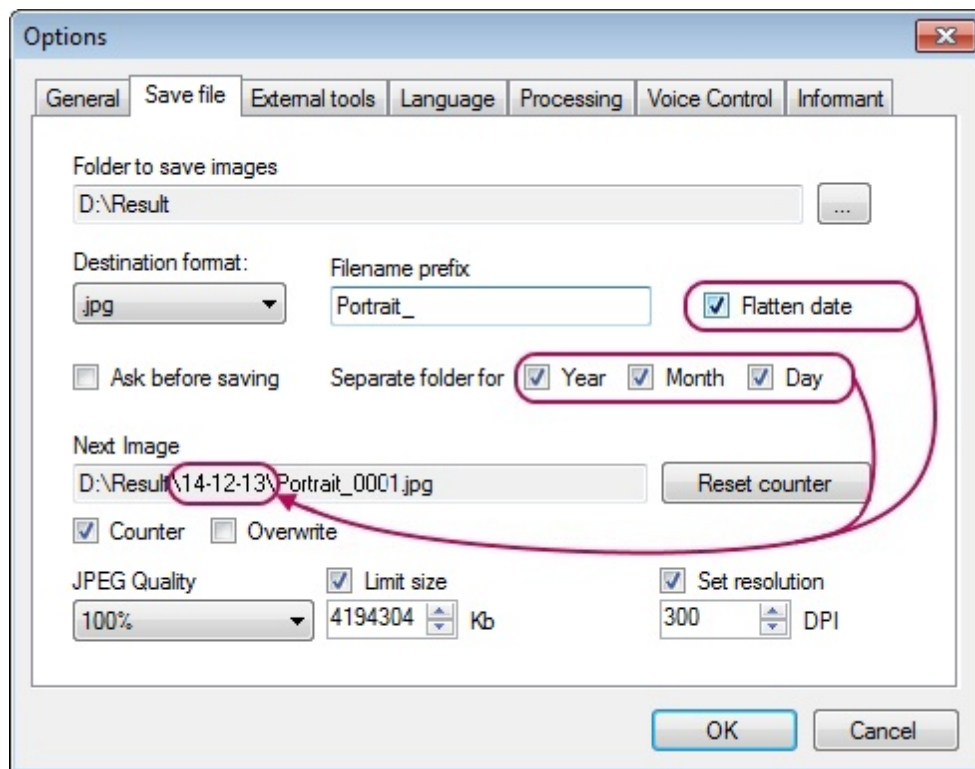
**Ask before saving** - if the setting is switched on, the program will further show the **Save as** dialogue before saving processed image.

**Separate folder for:** includes the year, month and day settings described below. This settings add the subfolders to the filename. The subfolder name is generated from the year, month and day values current at the time of saving image.

The value of the **Flatten date** setting is also taken into account here. If **Flatten date** switched off, the subfolders for year, month and day will be created separately.



If **Flatten date** is switched on, one subfolder will be created instead of the several subfolders. On the name of this subfolder, the year, month and day values will be flattened.



**Year** adds the current year value to the name of the processed file.

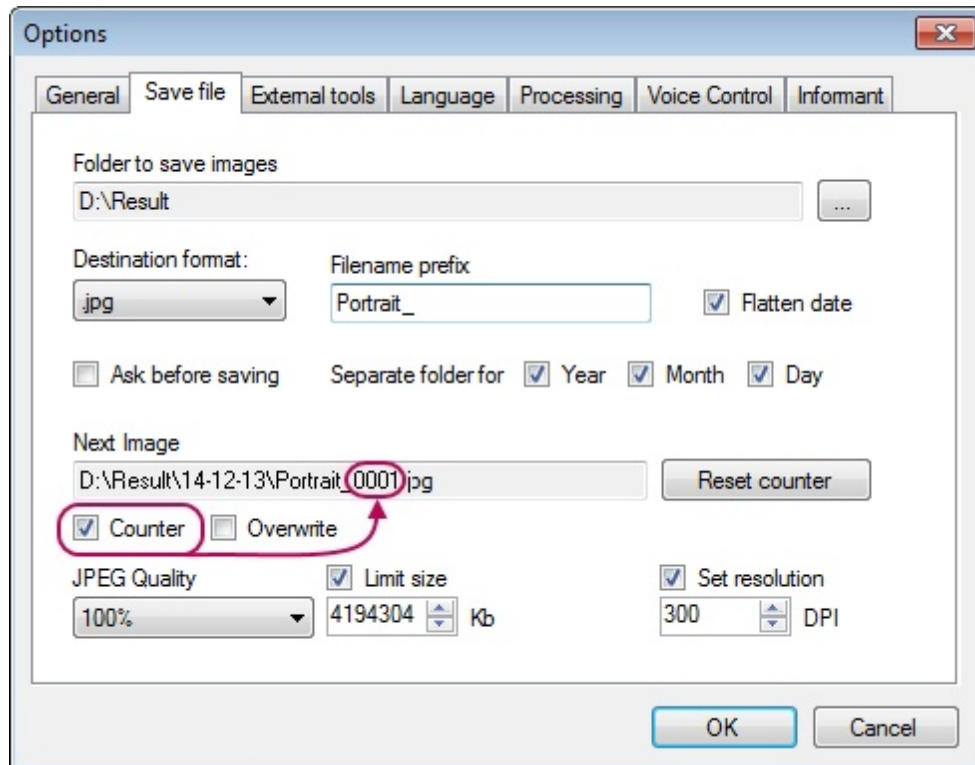
**Month** adds the current month value to the name of the processed file.

**Day** adds the current day value to the name of the processed file.

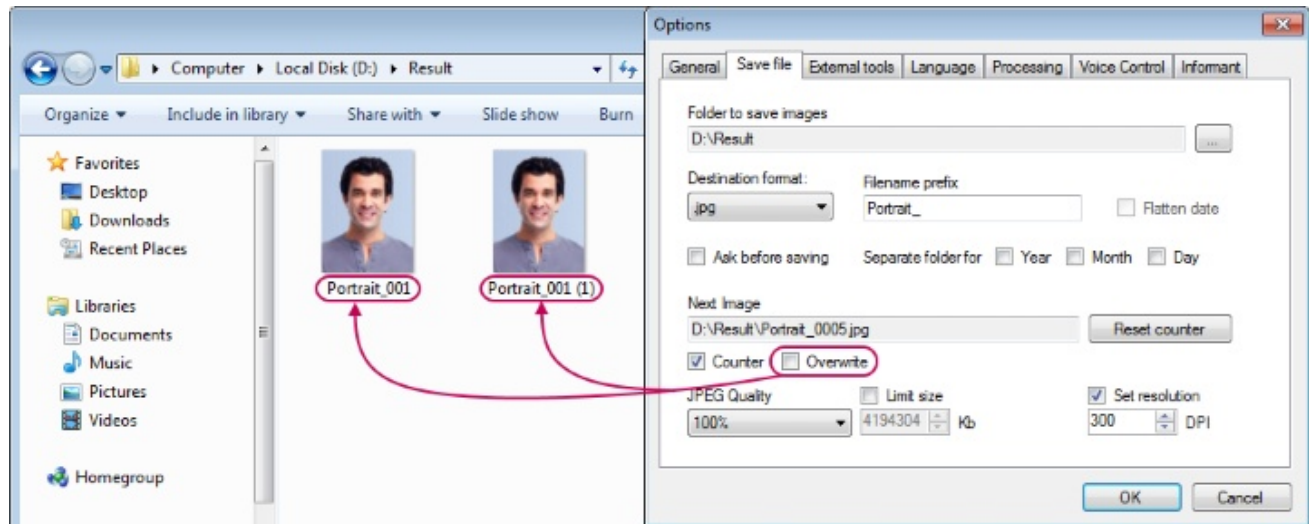
**Next image** contains a full name that will be assigned to the processed image when saving. This field is not available for edition, and you can only change it using the settings located on this tab.

**Reset counter** resets to zero the counter of the processed images. It will be applied if the **Counter** setting is activated.

**Counter** counts the saved images and adds the appropriate number to the file name.



**Overwrite** - the setting will be applied if a file with the same name already exists in the folder into which the processed image is to be saved. If **Overwrite** is switched off, the existing file with the same name will remain unchanged and the name of the file to be saved will be changed. If **Overwrite** is switched on, the file to be saved will be written instead of the file with the same name.



**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.

**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, centimeters etc.).

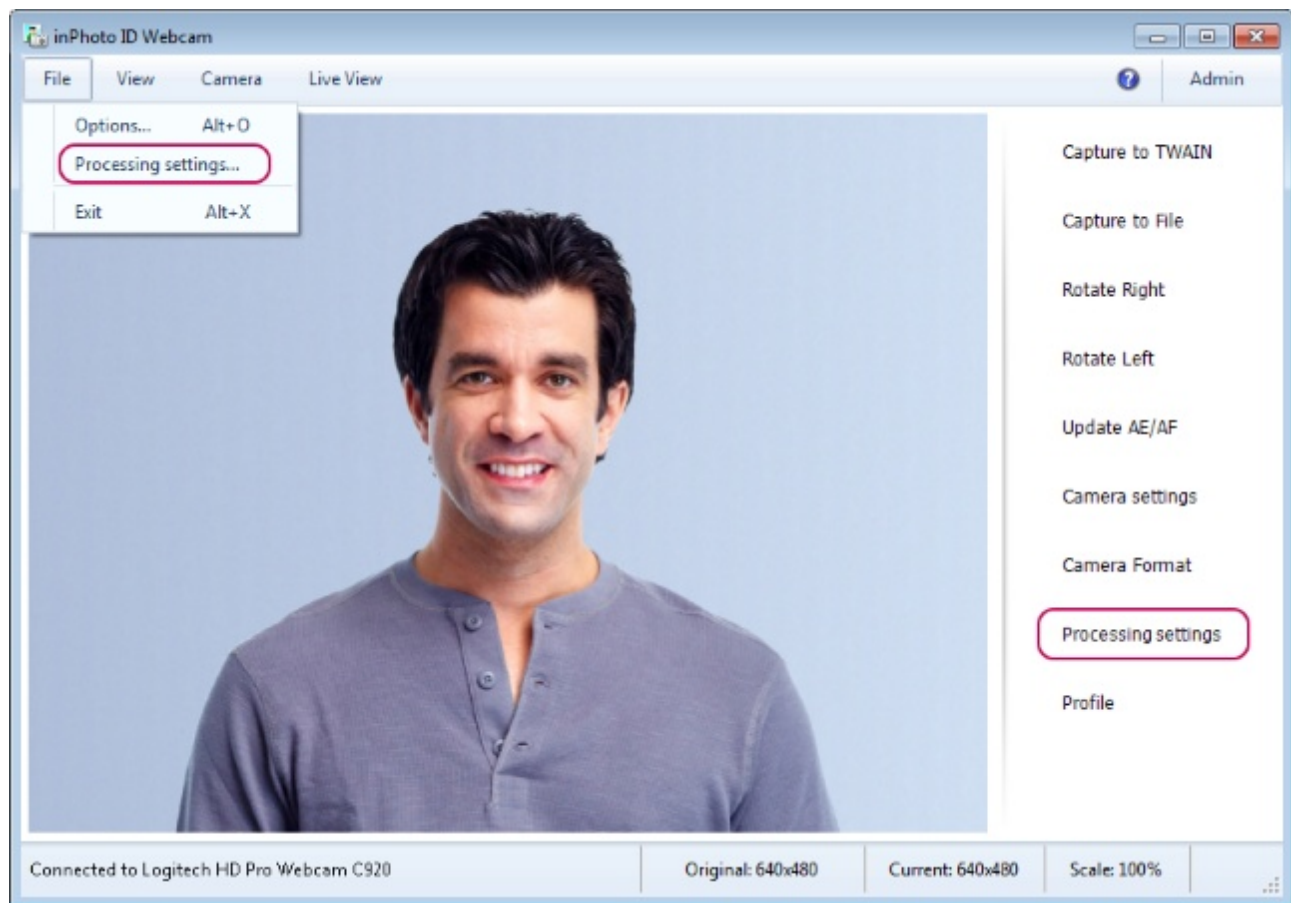
## ID Image Processing dialogue

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 **Processing settings** button of the side menu may be hidden if the main window of the program is switched to compact mode. To change mode of the window, open the context menu on the preview and select **View** > **Window Mode**. For more details on the main window modes, please see the [Main Window Mode](#) chapter.*



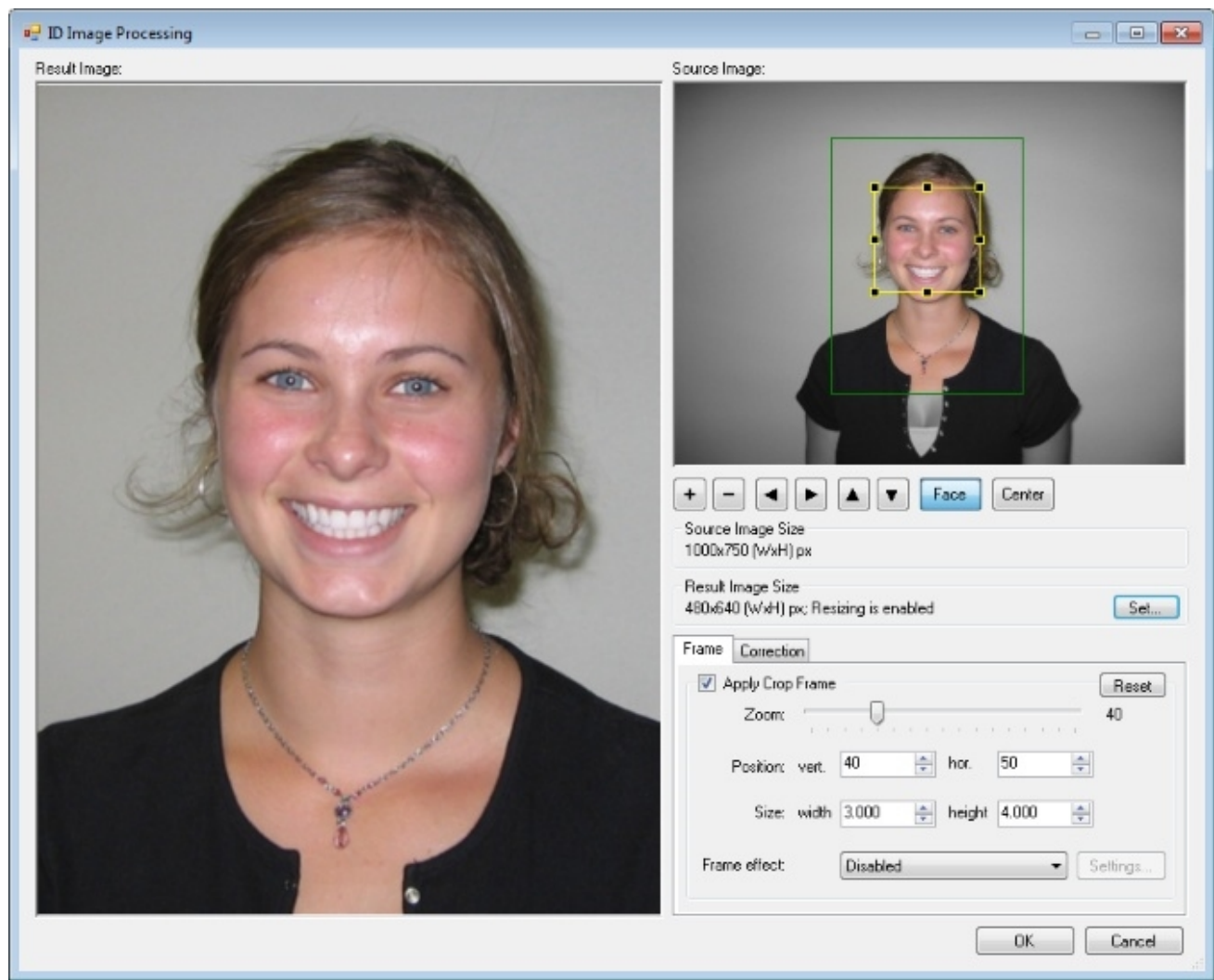
The third way: the dialogue is called up while the processing is progressing.



*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 view the dialogue for the image being processed. Please note that the program will call up this dialogue during processing, if such behavior is set in the **Show processing window** setting. For more details on **Show processing window** setting, see [General Settings](#) section.



In the dialogue for the image under processing, unlike the test image dialogue, the **OK** and **Cancel** buttons are replaced by the buttons for saving image, canceling processing and canceling processing followed by closing of the program. Please refer to the [Actions](#) chapter for more details.



The contents of the chapter are as follows:

[Processed Image Size](#)

[Frame Setting](#)

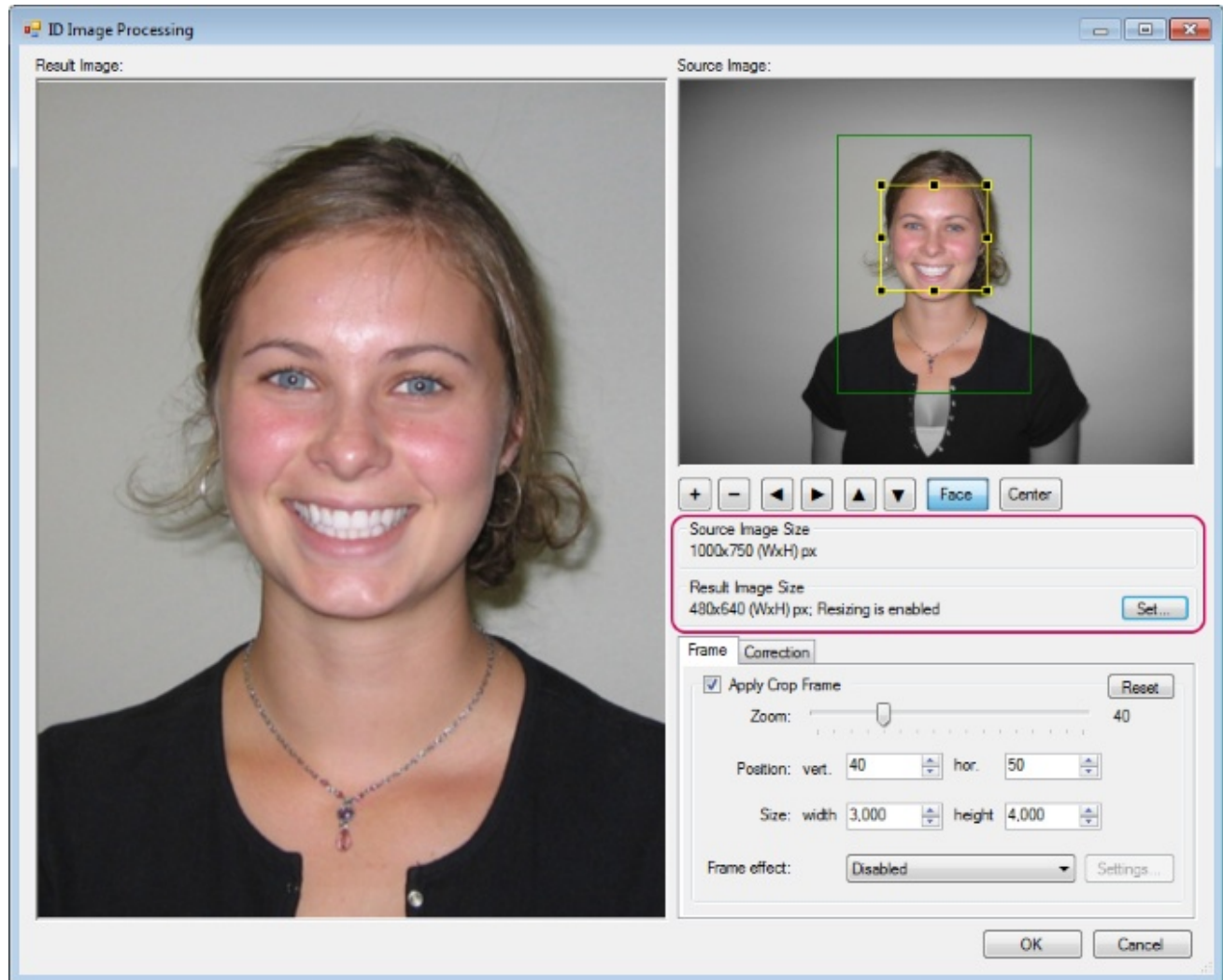
[Image Correction](#)

[Actions](#)



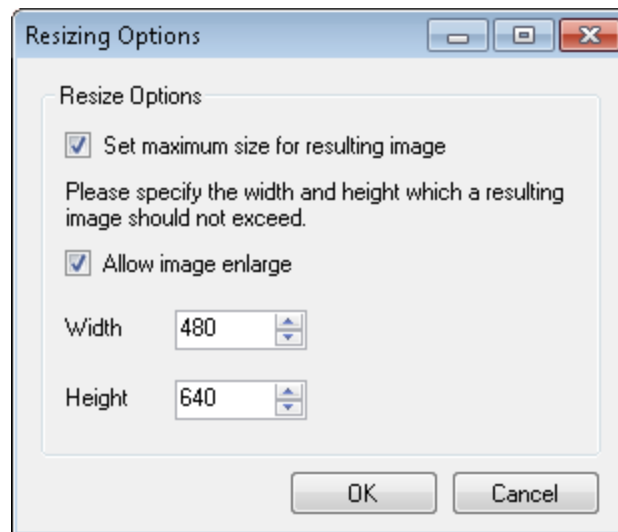
## Processed Image Size

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.



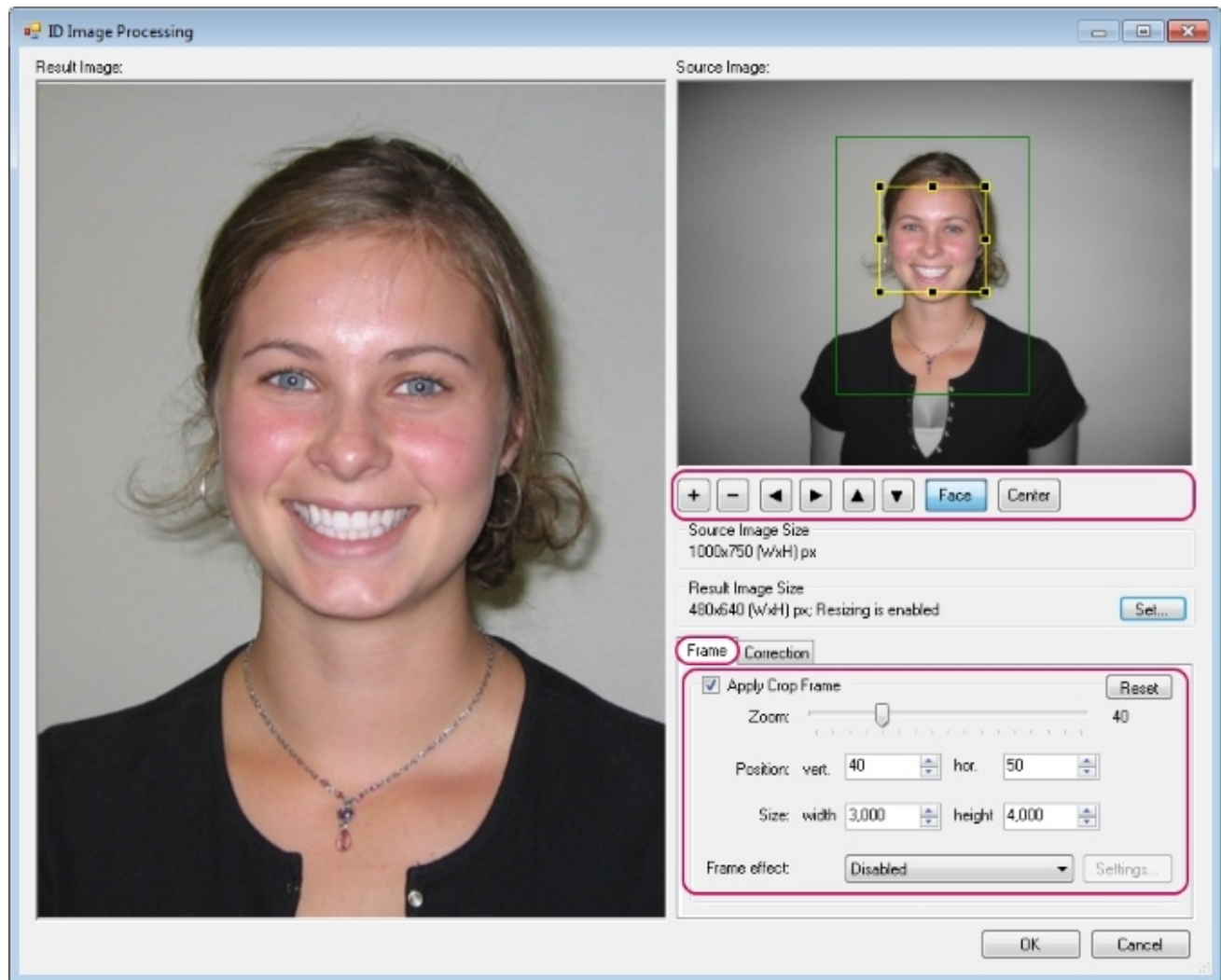
To set or remove the upper margin for the image size, use the **Set maximum size for resulting image** setting.

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.

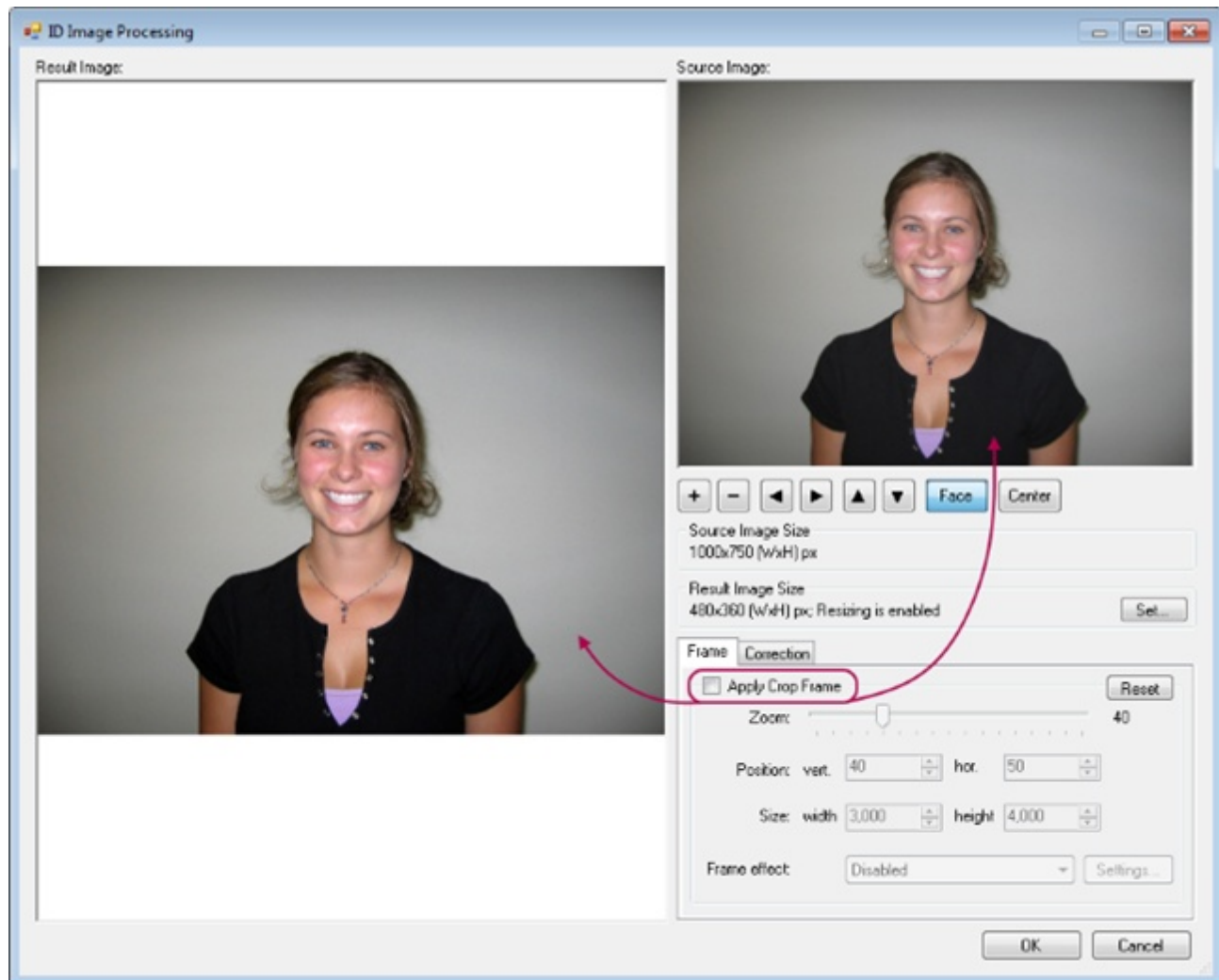
## Frame Setting

The composition settings and size settings are contained in the **Frame** unit.



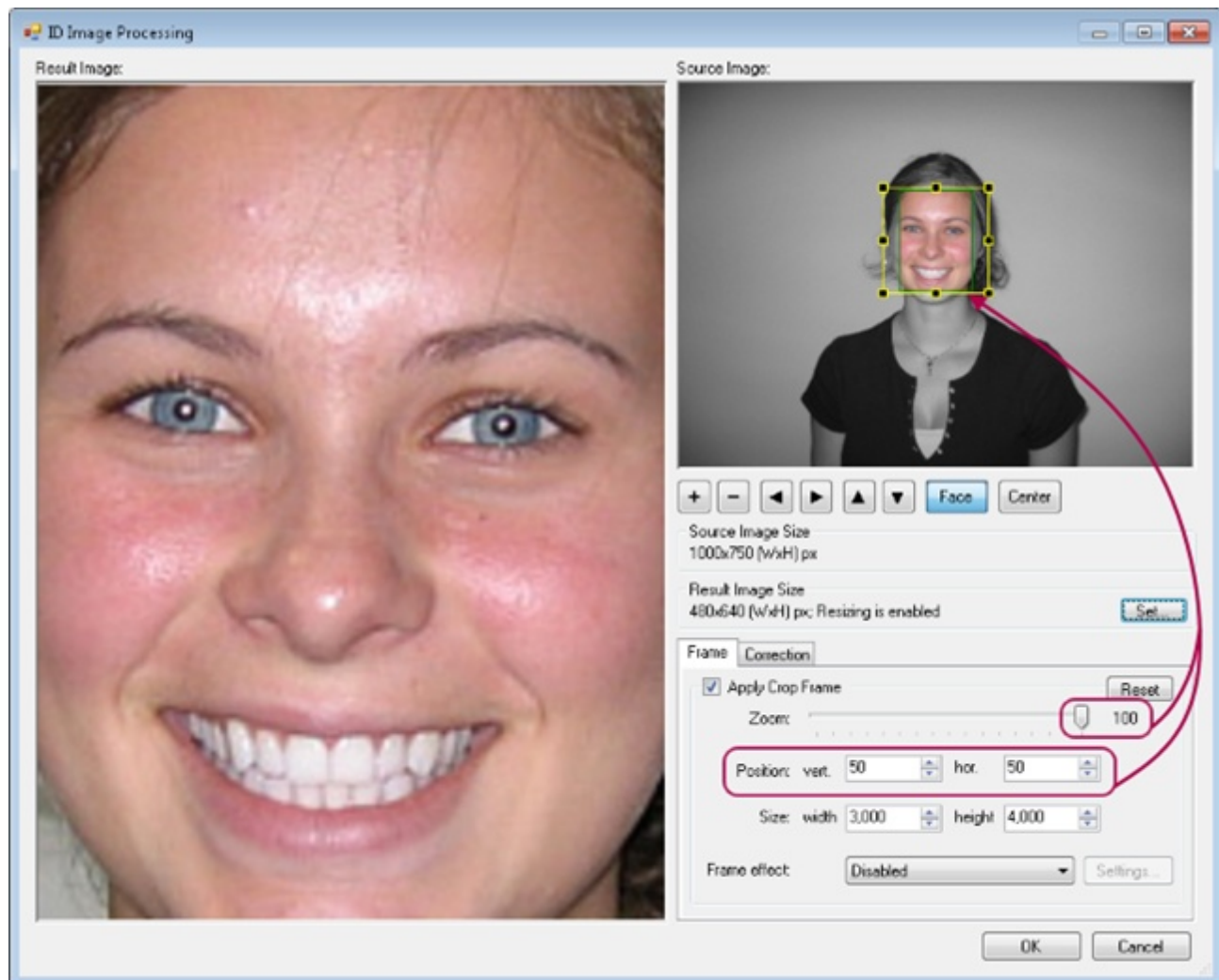
Let's look at each setting in more detail.

**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.

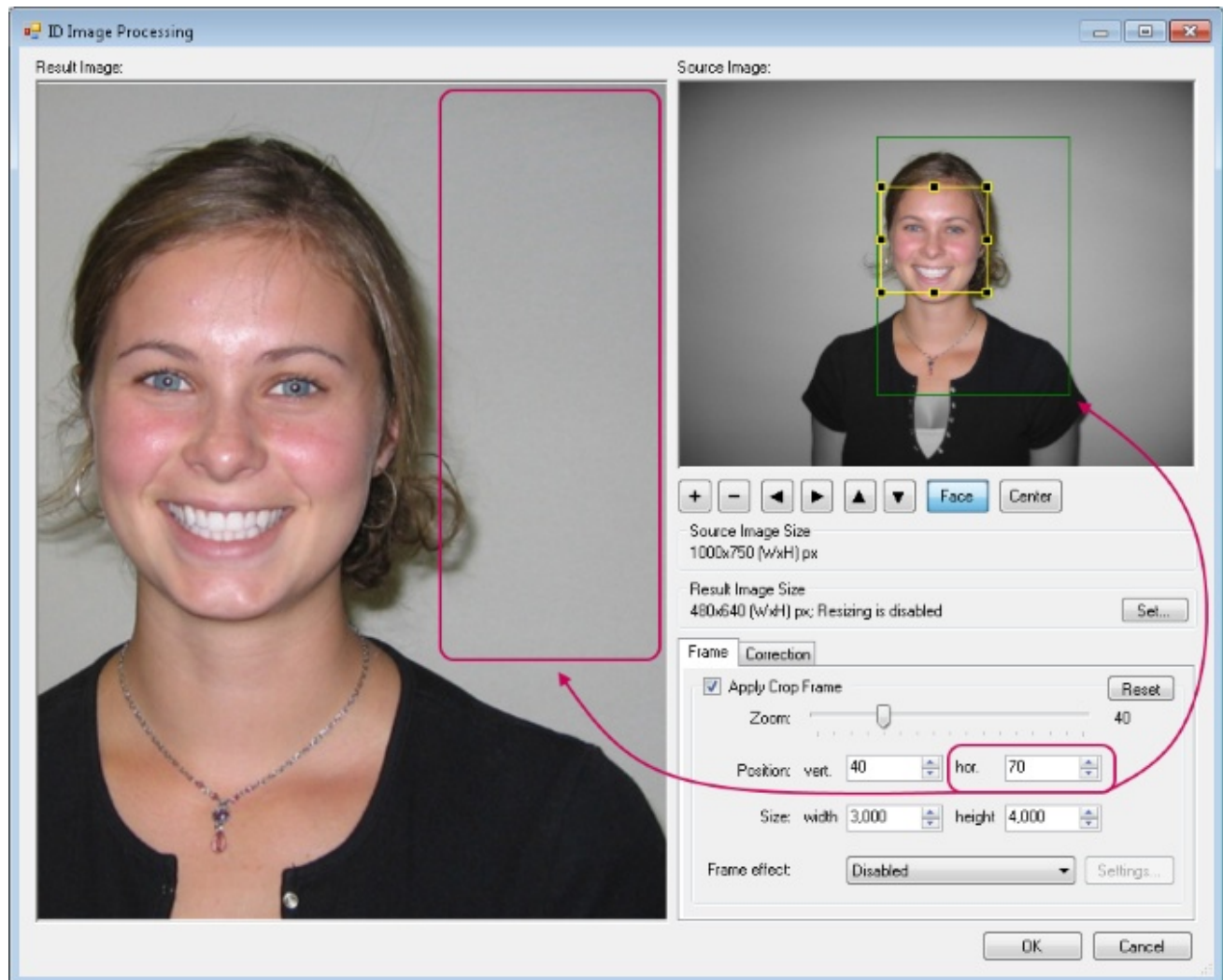


The processing procedure started with the **Apply Crop Frame** setting disabled will apply to the image all the settings except the ones in the **Frame** section. It can be seen that when no cropping after the box is set, all the settings in the section become disabled.

**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%.

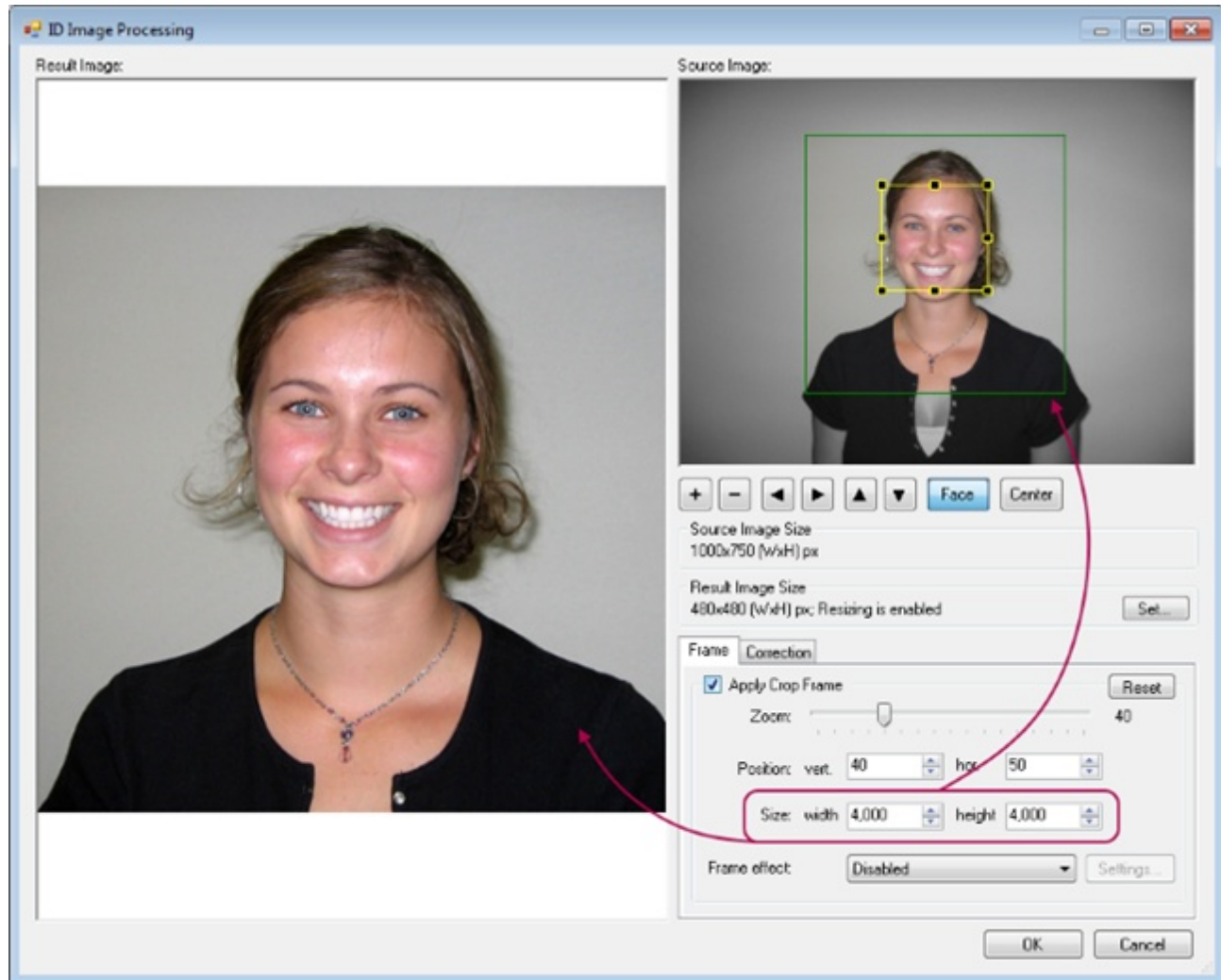


**Position:** moves the frame cropping box relative to the detected face and so changes place of the face in the image. For instance, such need may arise if it is necessary to move the image of a person and add a company logo on the photo. In such a case, you simply need to move the frame cropping in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

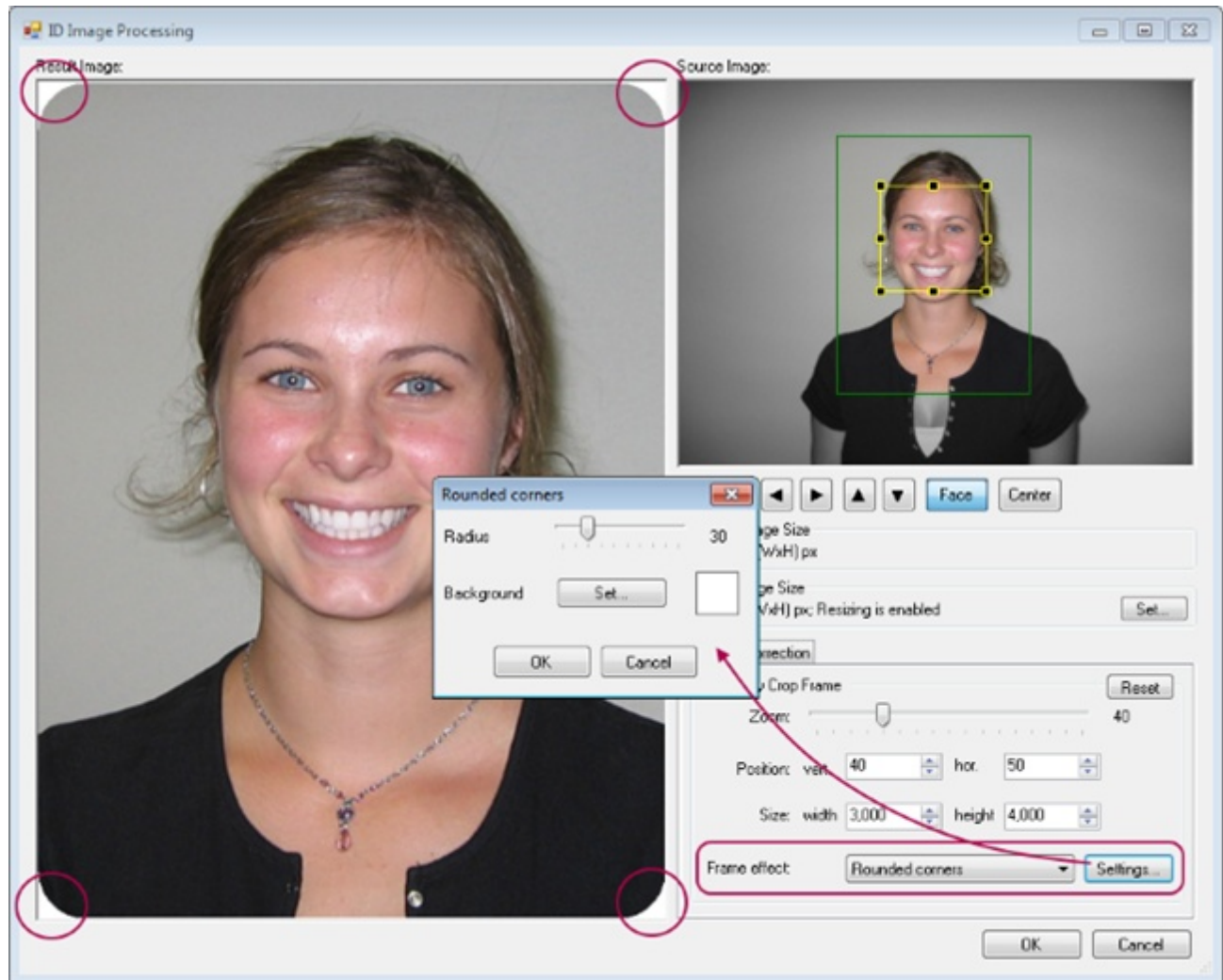




**Size:** this setting allows specifying the ratio of the frame sides. E. g., with width to height ratio as 4:4, the frame will have a form of a square. To specify the sides ratio, just indicate the required frame dimensions.



**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 **Rounded corners** settings. In the shown dialogue window, you may set the rounding radius and background colour for the corners.

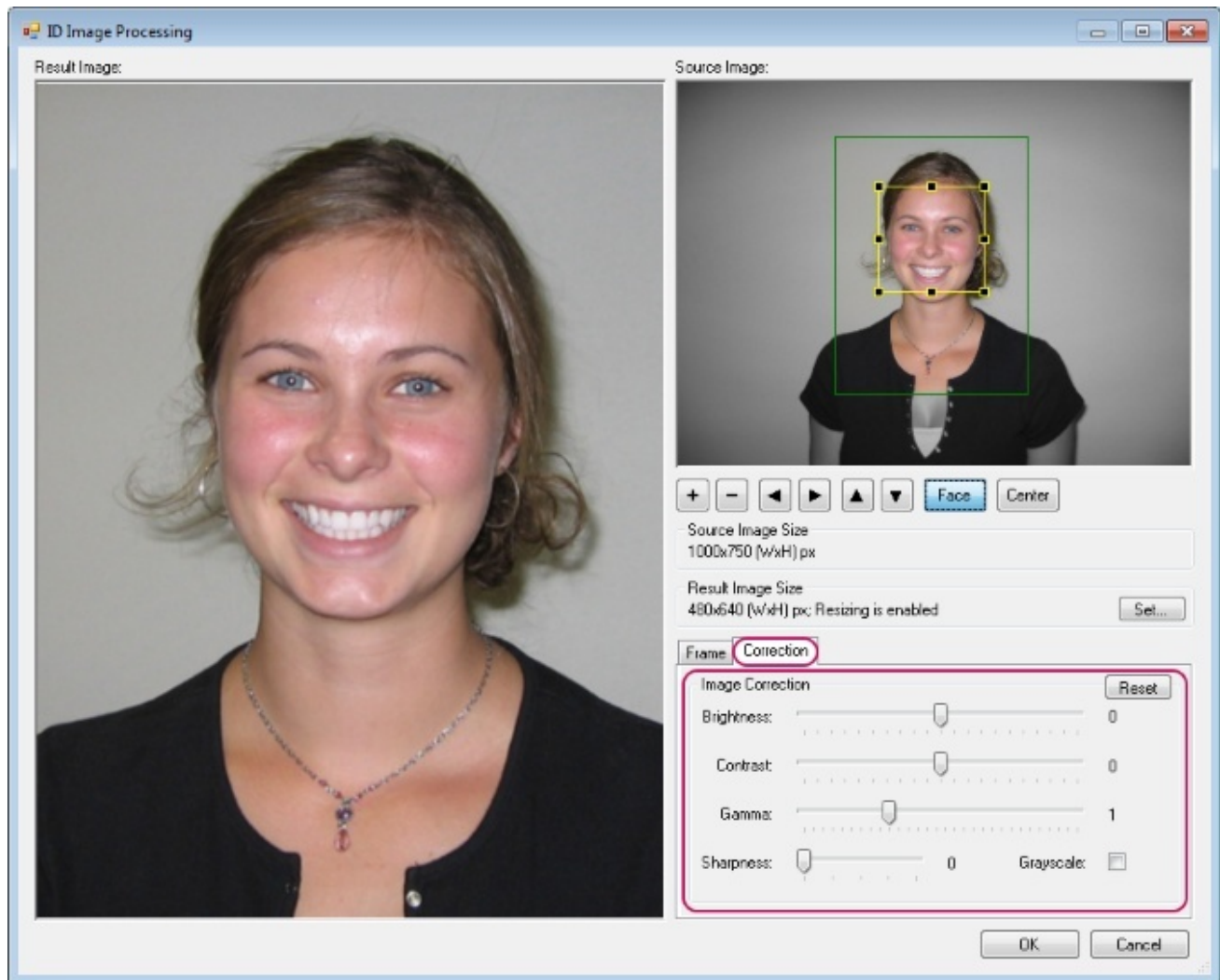


**Reset** is the last button in this section which makes it possible to cancel changes of all the settings and return them to default state.



## 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.

**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 thereby the number of pixels 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.*

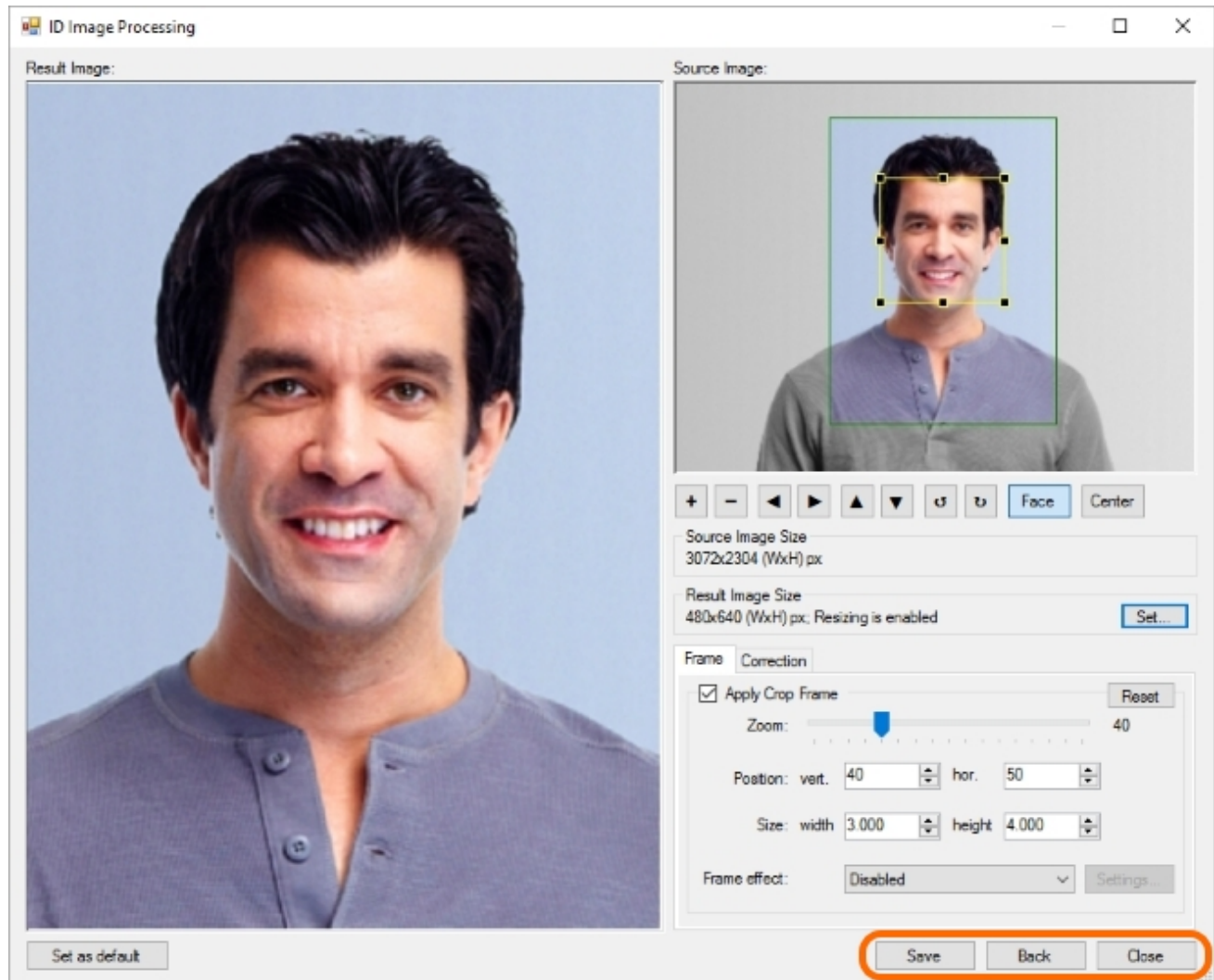
**Grayscale** — *this option allows making black-and-white photo from the colour one. In the **Grayscale** mode, all the colours are cancelled for the image and only information on pixel brightness is saved. Furthermore, all the colours on the photo are transferred to the grayscale.*

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 **Save**, **Back** and **Close** buttons.



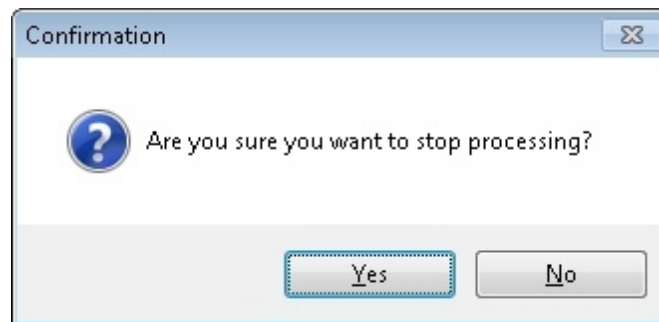
**Save** saves the photo with the settings set in the dialogue.

**Back** interrupts processing, closes the face image processing dialogue and takes the user back to the application main window. The **Back** button is used for cancelling the current image processing and starting making a new shot.

The **Close** command interrupts processing and closing the program.

The **Esc** key on the keyboard performs as the **Back** command. 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.



Separately from the actions buttons, there is the **Set as default** button in the dialogue. **Set as default** saves settings in the dialogue as settings by default. If you would like further images to be processed with the settings you have applied in this dialogue, press **Сохранить по** before pressing **Save**, **Back** or **Close**.

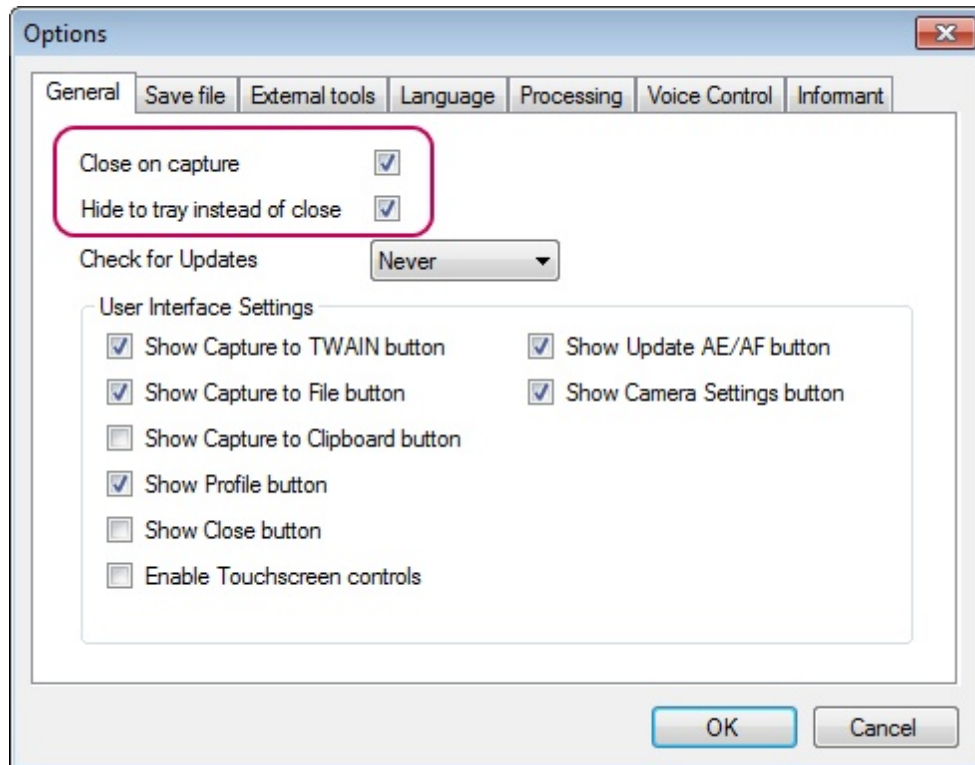
Pressing **Set as default** only affects saving settings and does not affect image processing process. After pressing the **Set as default** button, the processing dialogue will remain open and the application will wait from the user for one of the actions of the **Save**, **Back**, **Close** buttons.



## 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.



If the **Close after processing** option is enabled, **inPhoto ID Webcam** completes the work after processing. Whether the application to be closed or to be minimized to tray depends on the **Hide to tray instead of close** setting.

The active **Hide to tray instead of close** setting changes closing **inPhoto ID Webcam** to minimization to tray.

## Chapter 6. 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: **Capture to TWAIN**, **Capture to File** and **Capture to Clipboard**. In all three cases, the capturing process is identical and it is only saving the processed image that differs. **Capture to TWAIN** sends the processed 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. **Capture to File** saves an image to the specified folder on the drive. **Capture to Clipboard** saves an image to the clipboard. In this case, it is convenient to paste the image into a document or another application without interim saving.



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

Let's take a closer look at each capturing method.

[Capture to TWAIN](#)

[Capture to File](#)

[Capture to Clipboard](#)

# Capture to TWAIN

Contents of the section:

[About TWAIN](#)

[Capture 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 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.

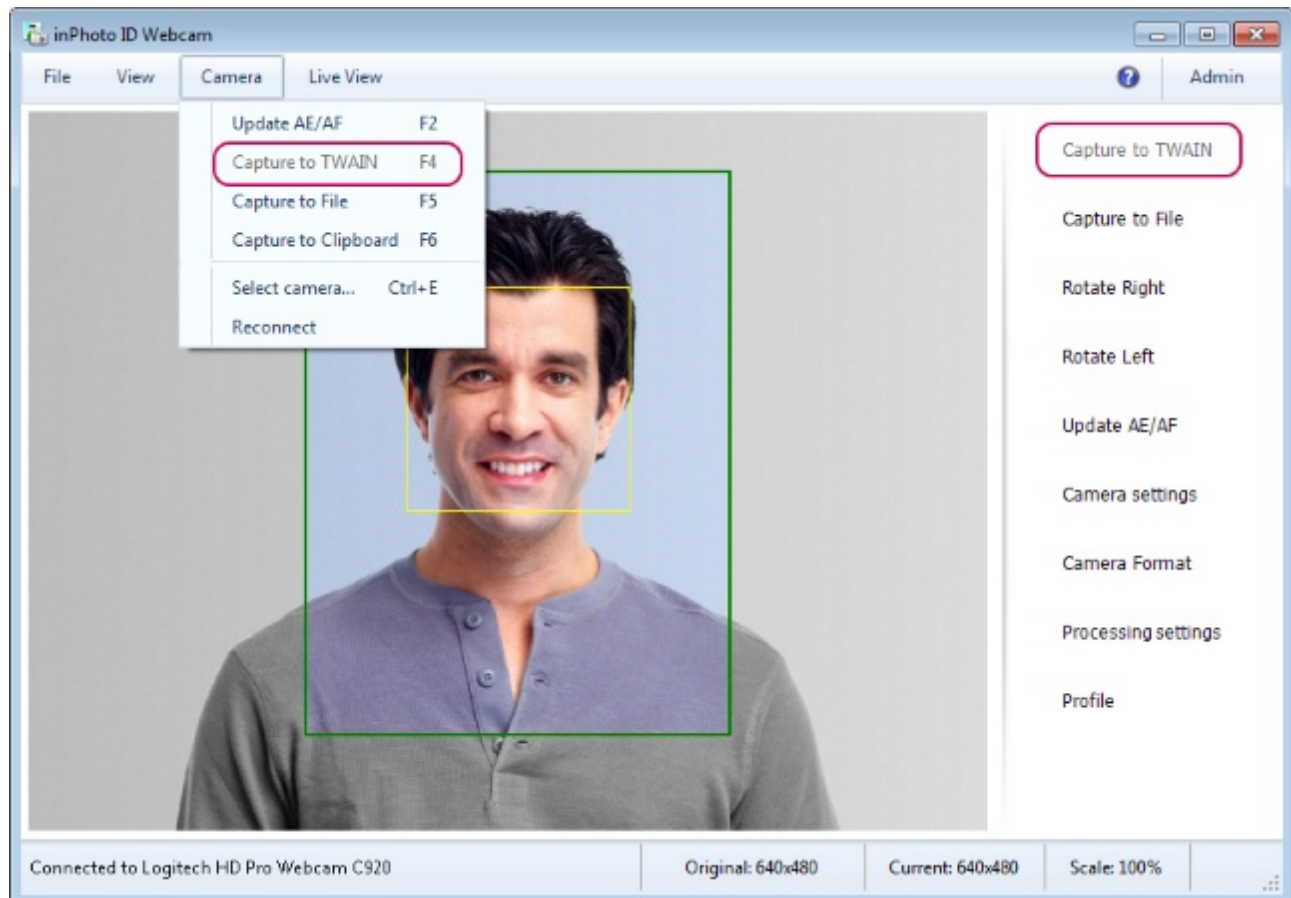
## Capture to TWAIN

The **Capture to TWAIN** command executes snapshot, its processing and transfers them to external application which connected to **inPhoto ID Webcam** via **TWAIN** protocol. As an application in which processed photo will be transferred we use image viewer **XnView**.

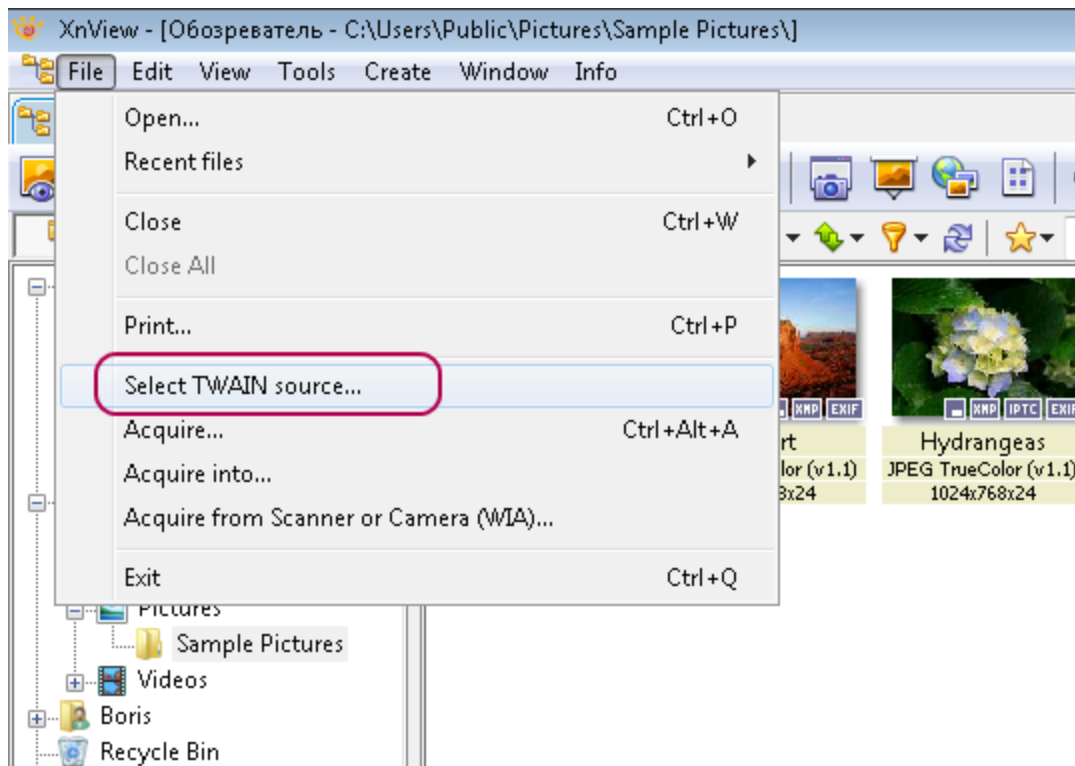
It should be reminded that **inPhoto ID Webcam** is an image source in **TWAIN** connection.

So, turn on the webcam and start **inPhoto ID Webcam**.

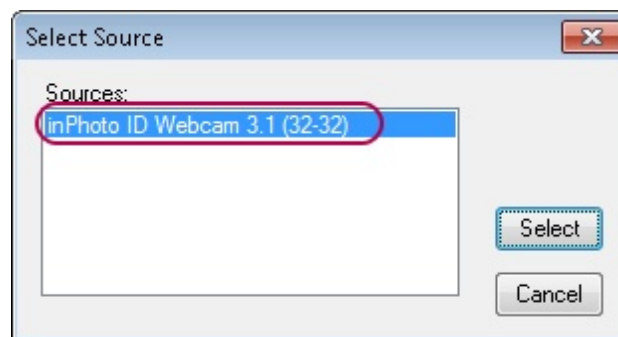
Unlike the rest of the program functions, the **Capture to TWAIN** button and the menu item are disabled. This is right. The possibility to transfer images via **TWAIN** driver will arise when **inPhoto ID Webcam** receives a request from the third-party application for opening **TWAIN** connection. By this moment, the **Capture to TWAIN** elements will be disabled.



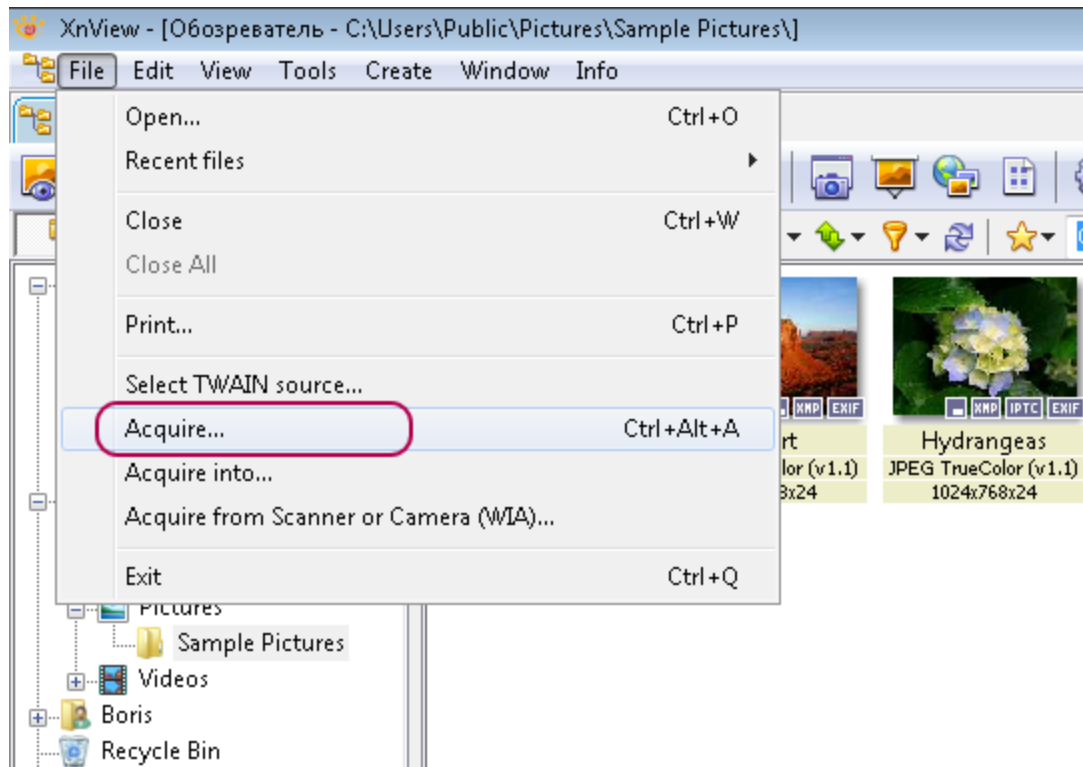
Let's open **TWAIN** connection and enable **Capture to TWAIN** function. For this purpose, start **XnView**, enter **File** main menu and select **Select TWAIN source**.



In the appeared **Select Source** dialogue, select **inPhoto ID Webcam** from the source list.



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



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

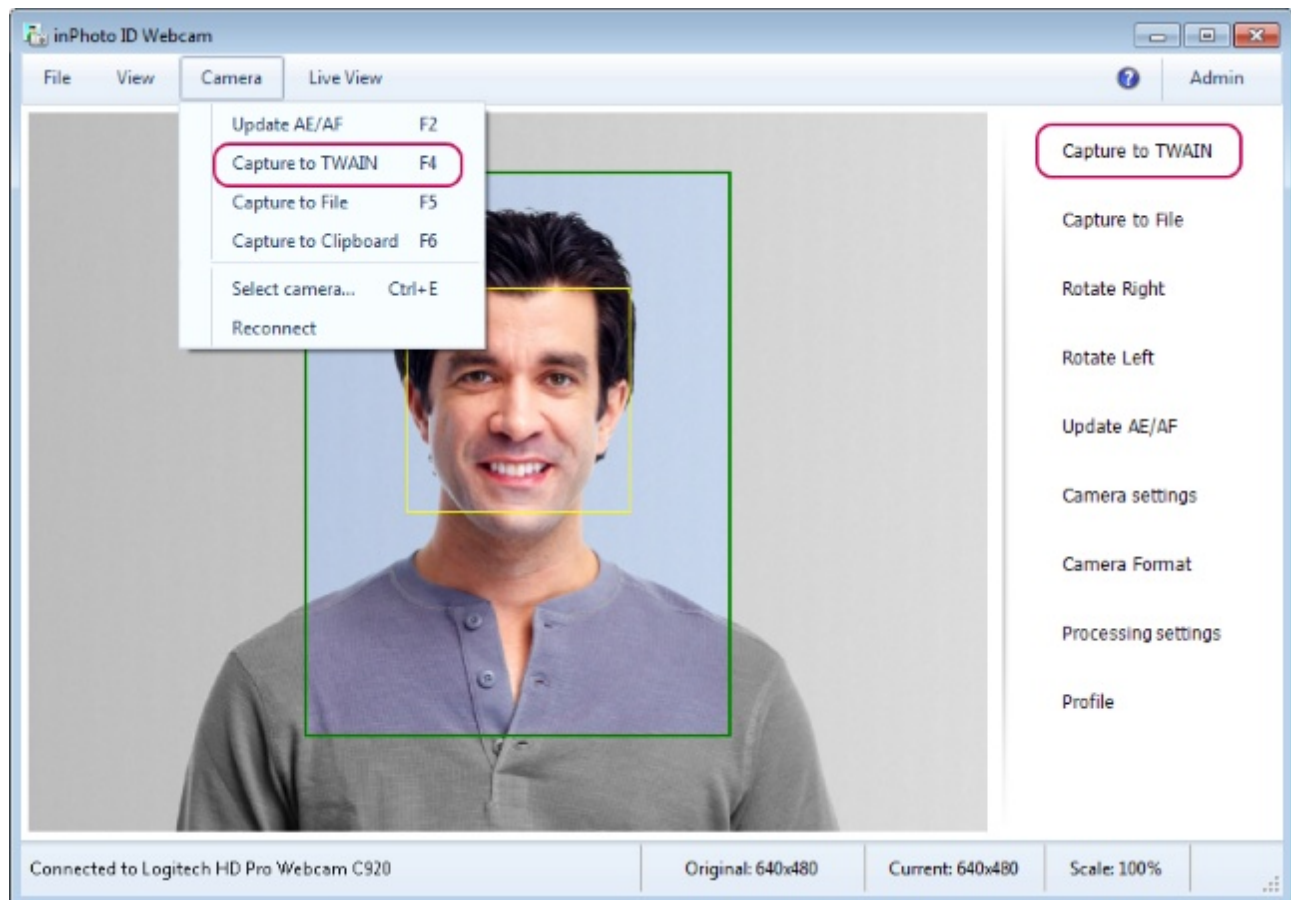
So, we connected **XnView** to **inPhoto ID Webcam** via **TWAIN** protocol. Now we move to **inPhoto ID Webcam - Capture to TWAIN** menu item and button now have been enabled.

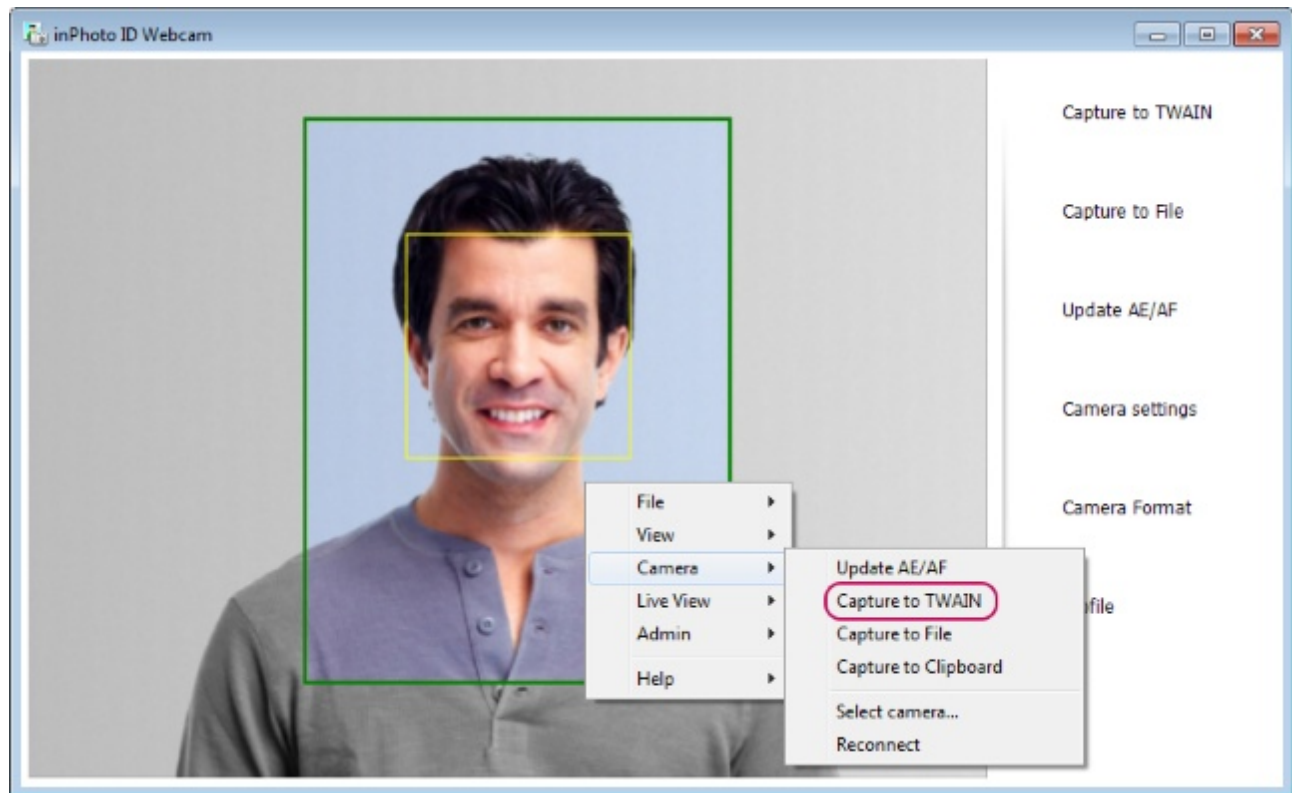
Next, we start **Capture to TWAIN**.

**Process to TWAIN** may be started from **Capture** main menu > **Capture to TWAIN** or from the side menu by pressing **Capture to TWAIN** button.

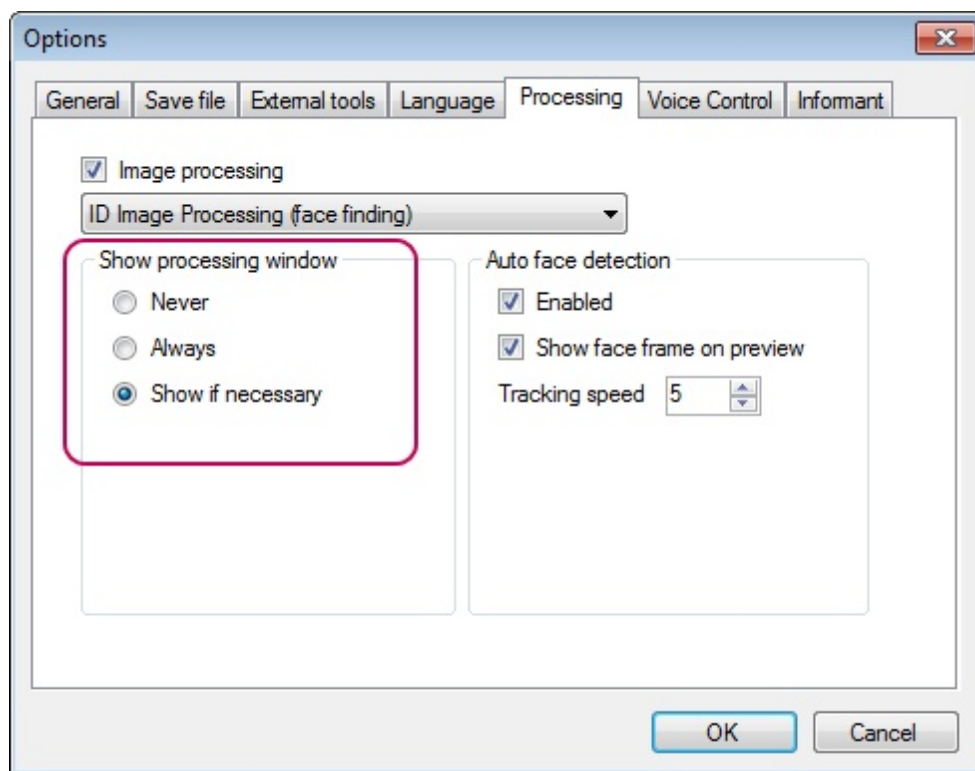


*The **Capture to TWAIN** button from the side menu may be hidden if the application interface is set up in such a way. To make the button visible, enter **File** menu > **Options** > **General** tab and set up **Show Capture to TWAIN button**. For more details on setting of the side menu interface, 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 the **Show processing window** option is set the **Always** value, then the **ID Image Processing** dialogue will be called up for image being processed.

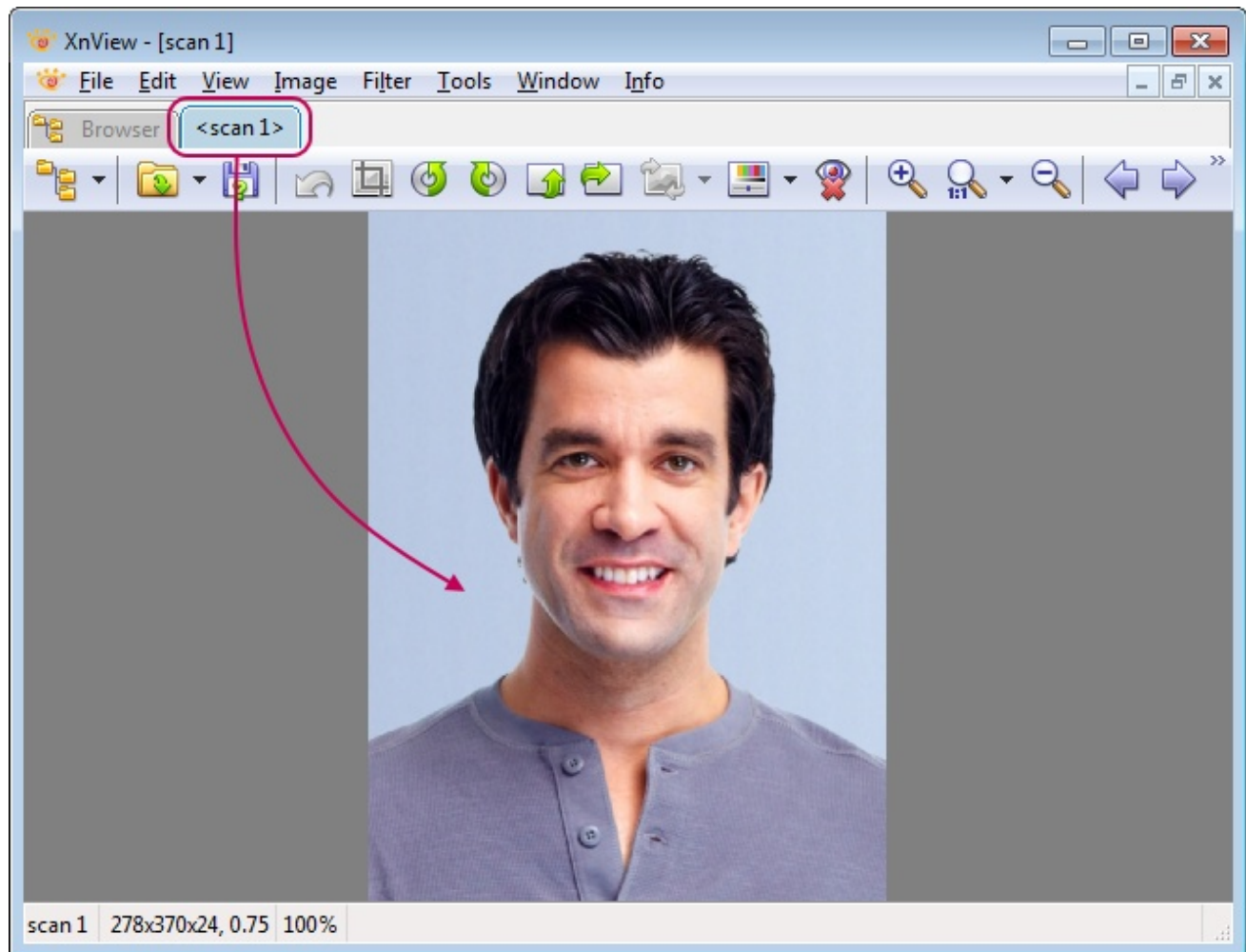
If the dialogue opening setting is set to the **Show if necessary** value, the dialogue will be opened only if a user's participation is needed for processing the image. The dialogue will not be opened for successfully processed photos.

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 processing settings and the **ID Image Processing** dialogue in the [General Settings](#), [ID Image Processing dialogue](#), and [Actions](#) sections.



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



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 the channel closure, the **TWAIN** connection will be lost and the **Capture to TWAIN** button will be disabled. To enable it, you need to repeat the process of selecting a scanner.

Please note that **inPhoto ID Webcam** 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.

## Capture to File

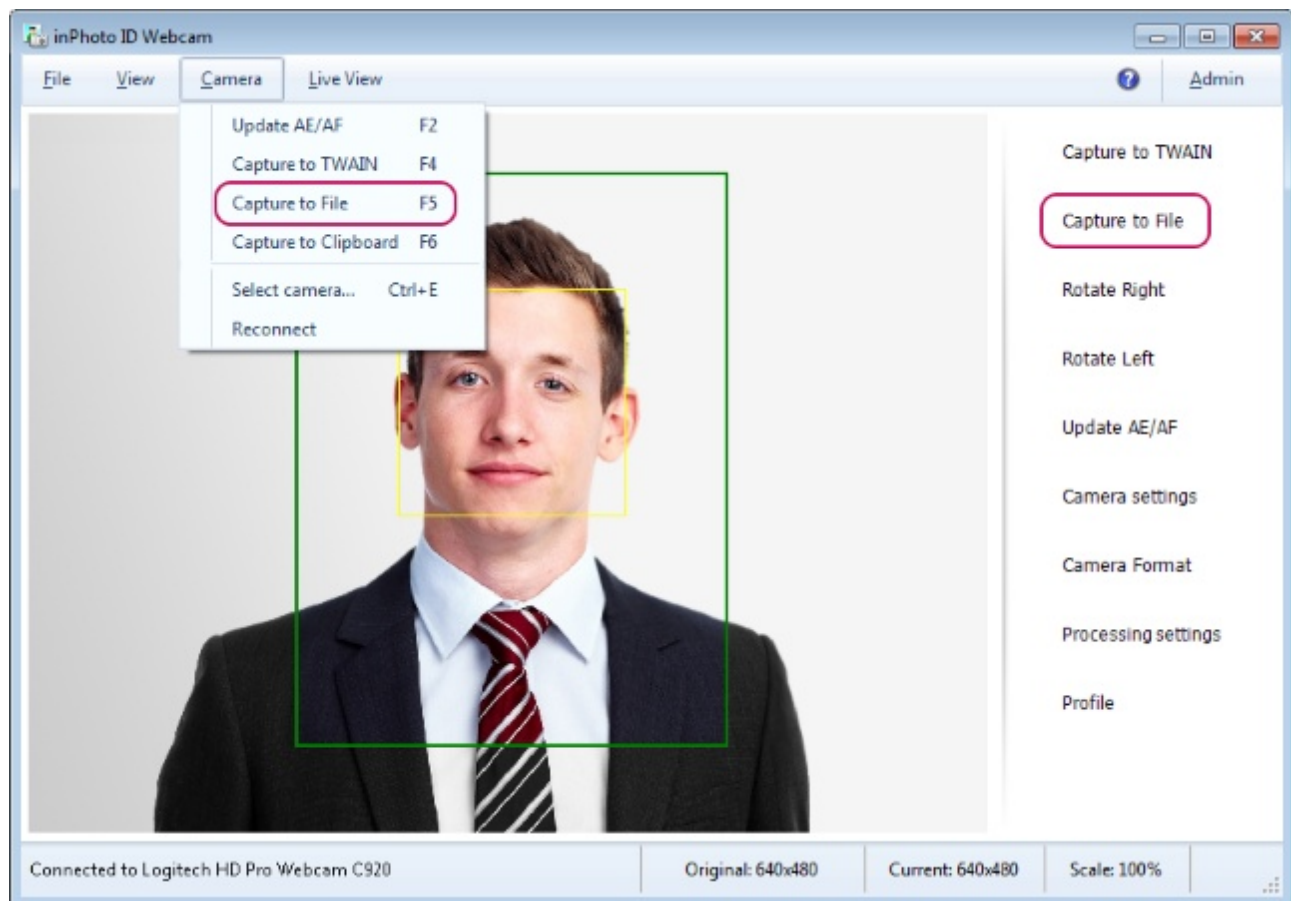
The **Process to File** command executes snapshot, its processing and saving to the specified place on the drive.

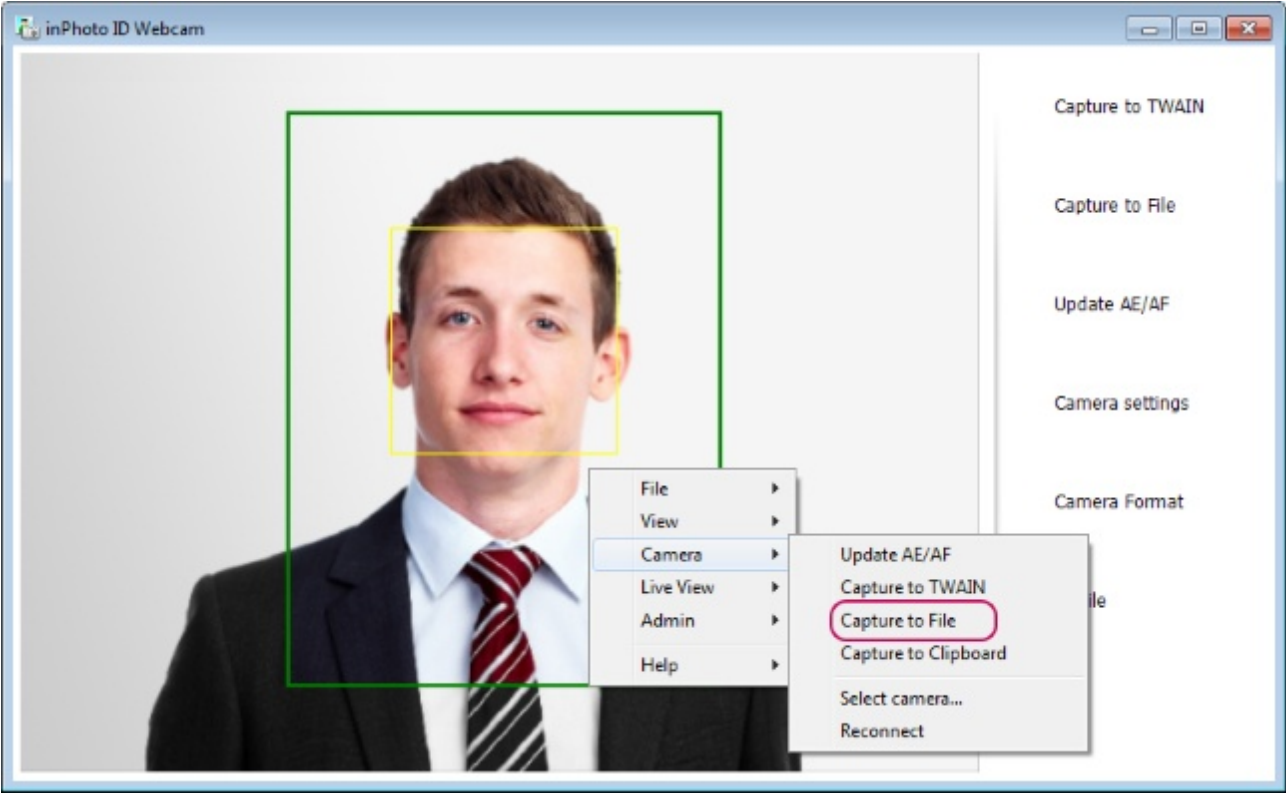
The command can be started from the **Camera** main menu > **Capture to File** or from the side menu by pressing the **Capture to File**.



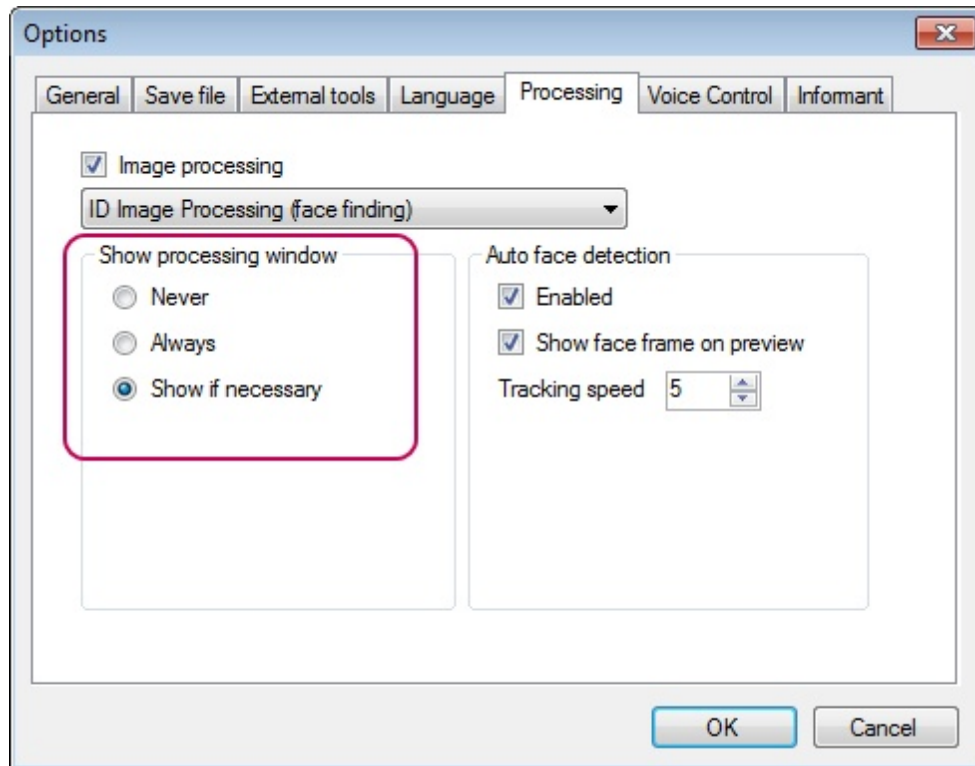
*The **Capture to File** button from the side menu may be hidden if the application interface is set up in such a way. To make the button visible, please enter the **File** menu > **Options** > **General** tab and set the **Show Capture to File** button setting.*

So, let's run the **Capture to File** 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.

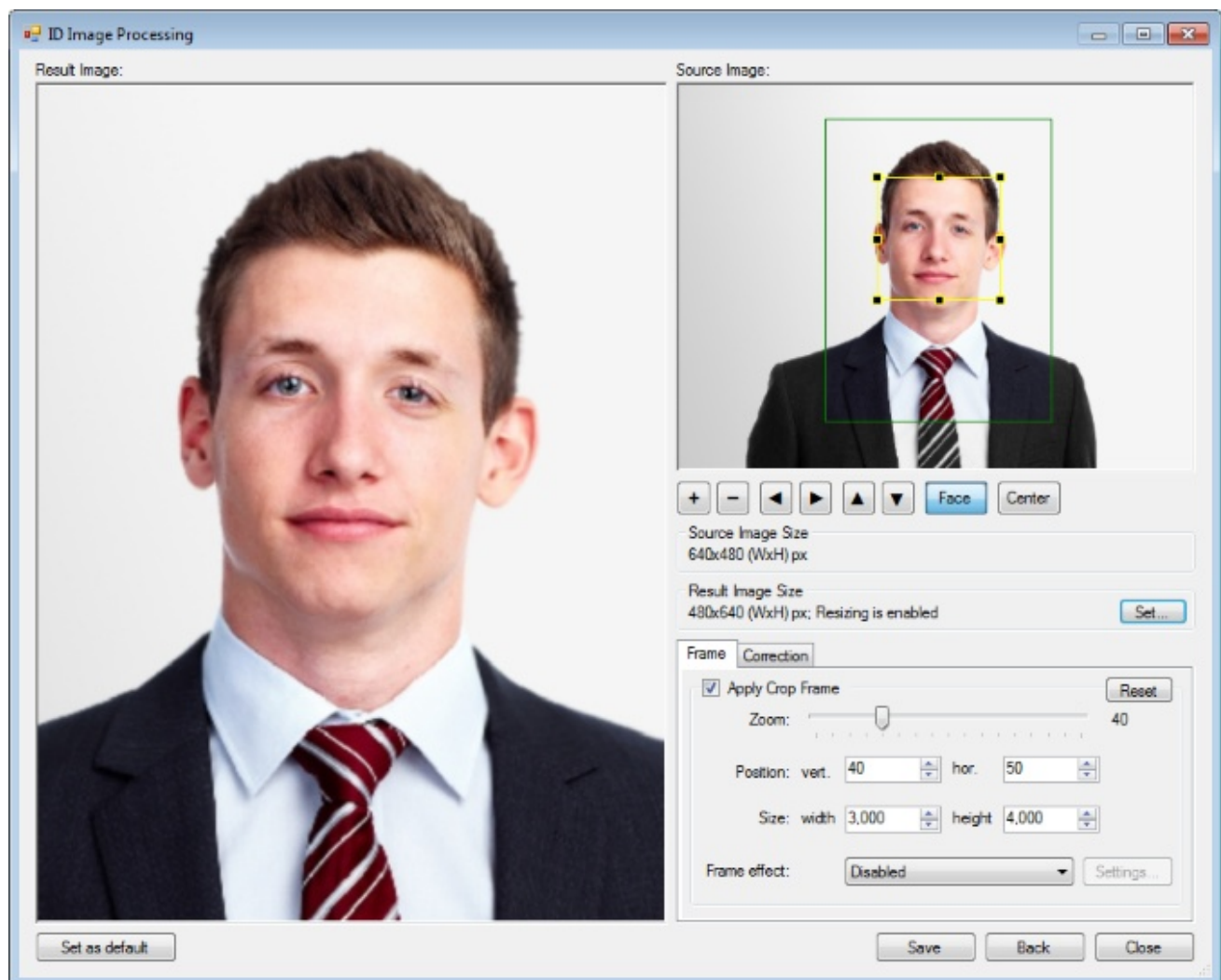


If **Always** is selected in the settings, then the **ID Image Processing** dialogue will be called up for image being processed.

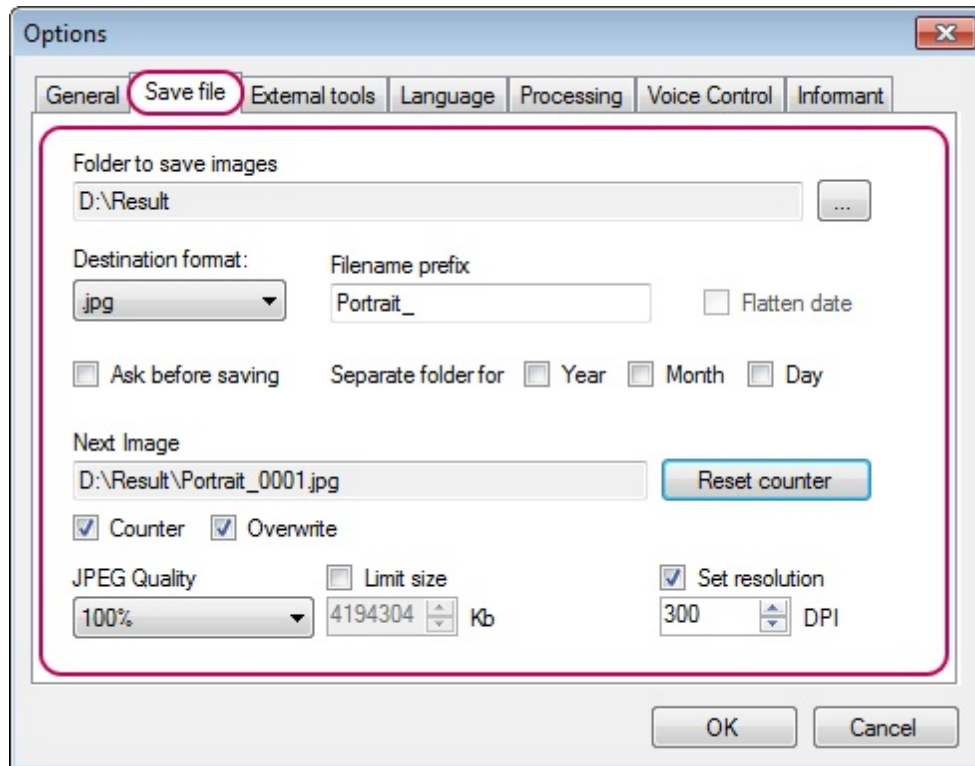
If the dialogue opening setting is set to the **Show if necessary** value, the dialogue will be opened only if a user's participation is needed for processing the images. This value is set by default. The dialogue will not be opened for successfully processed photos.

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

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

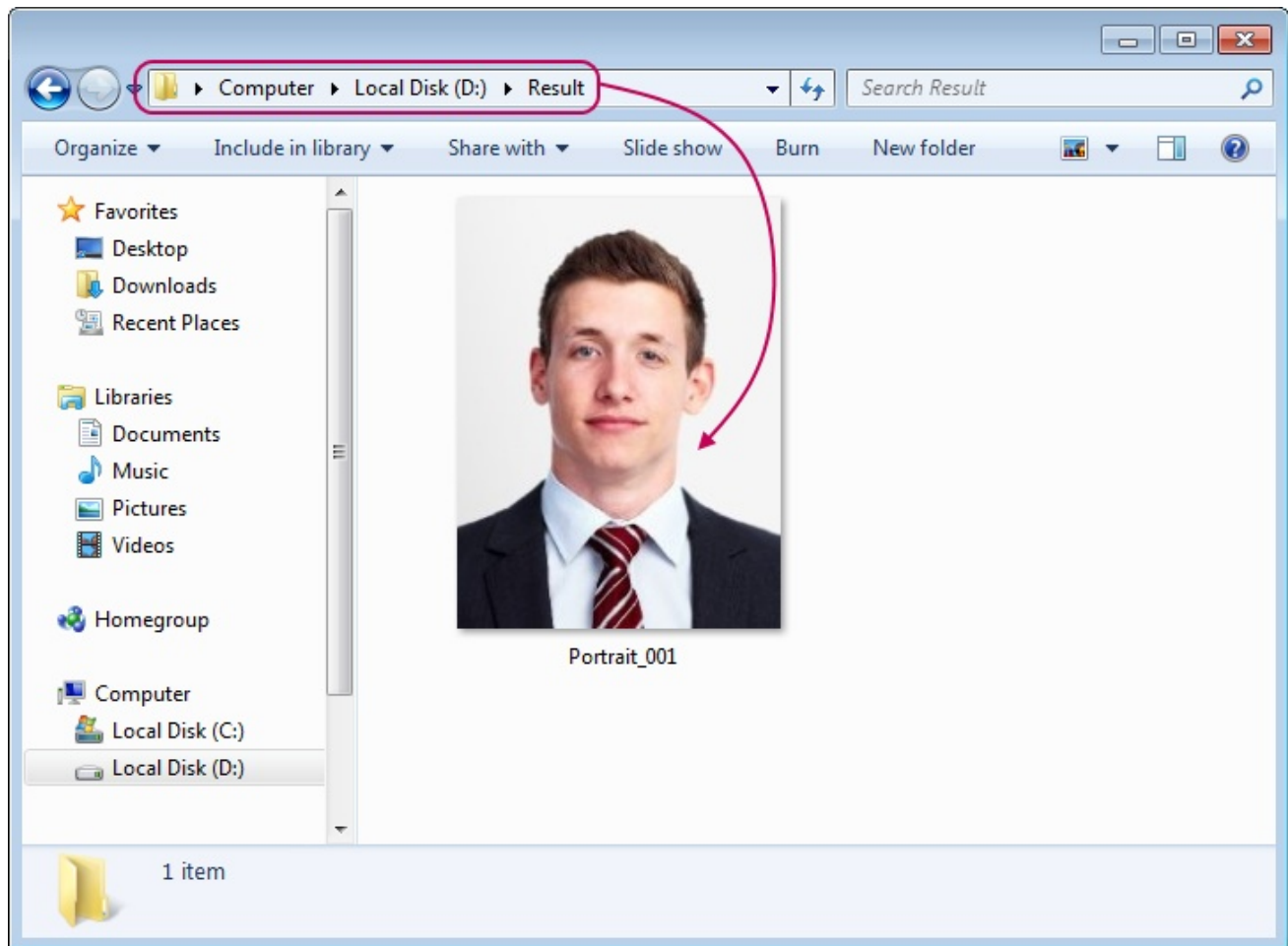


Then, to see the processed images we enter the folder indicated in saving settings. Please note that the saving settings are located in the **File** menu > **Options** > **Save file** tab.





The result looks like this. You can see in the picture that photo have been successfully captured, processed and saved to the specified folder.



By default, **inPhoto ID Webcam** is set as to be minimized to tray after processing completion. More details on settings regulating processing completion may be found in the [Processing Completion](#) section.



## Capture to Clipboard

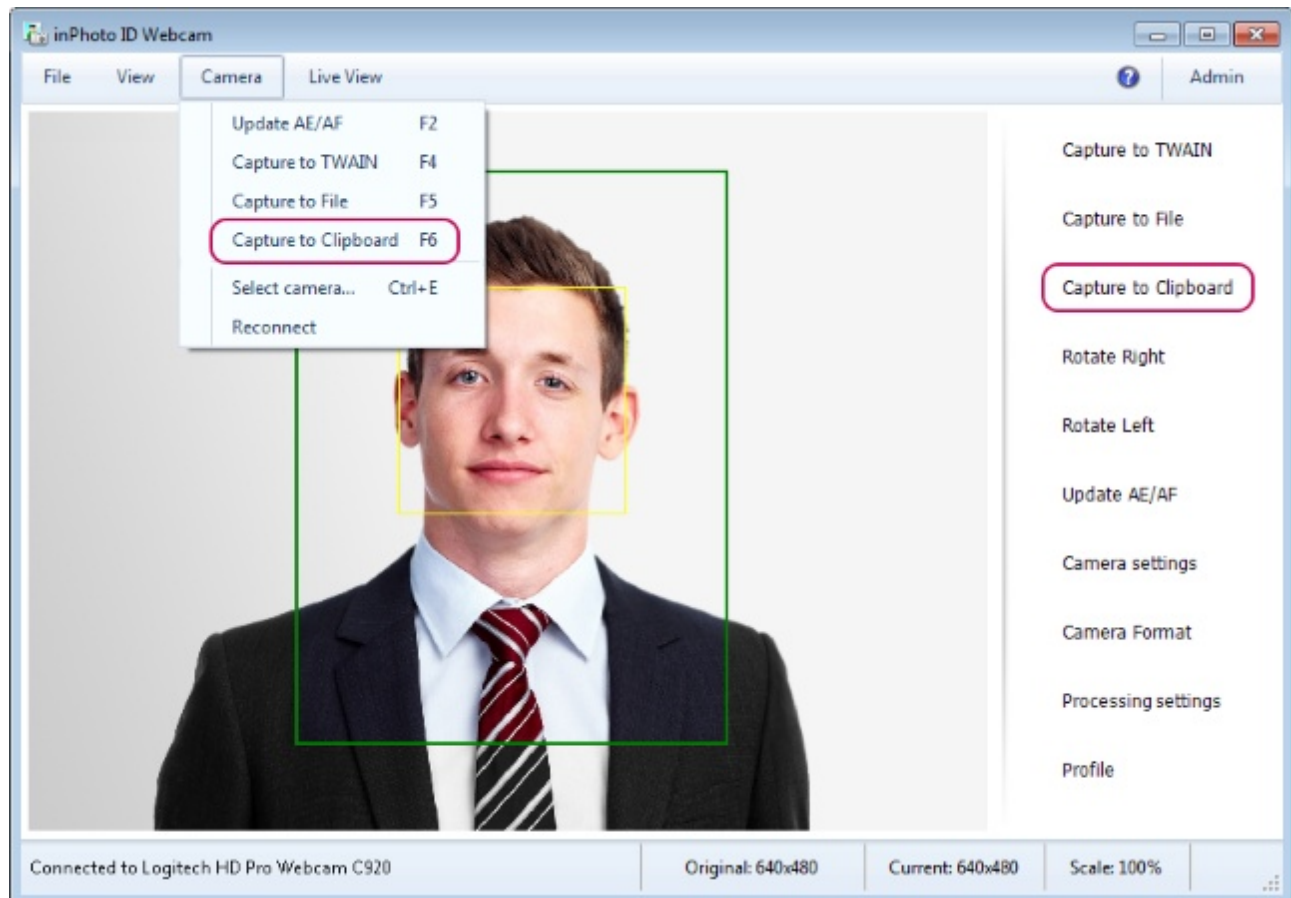
The **Process to Clipboard** command executes snapshot, its processing and saving to the clipboard.

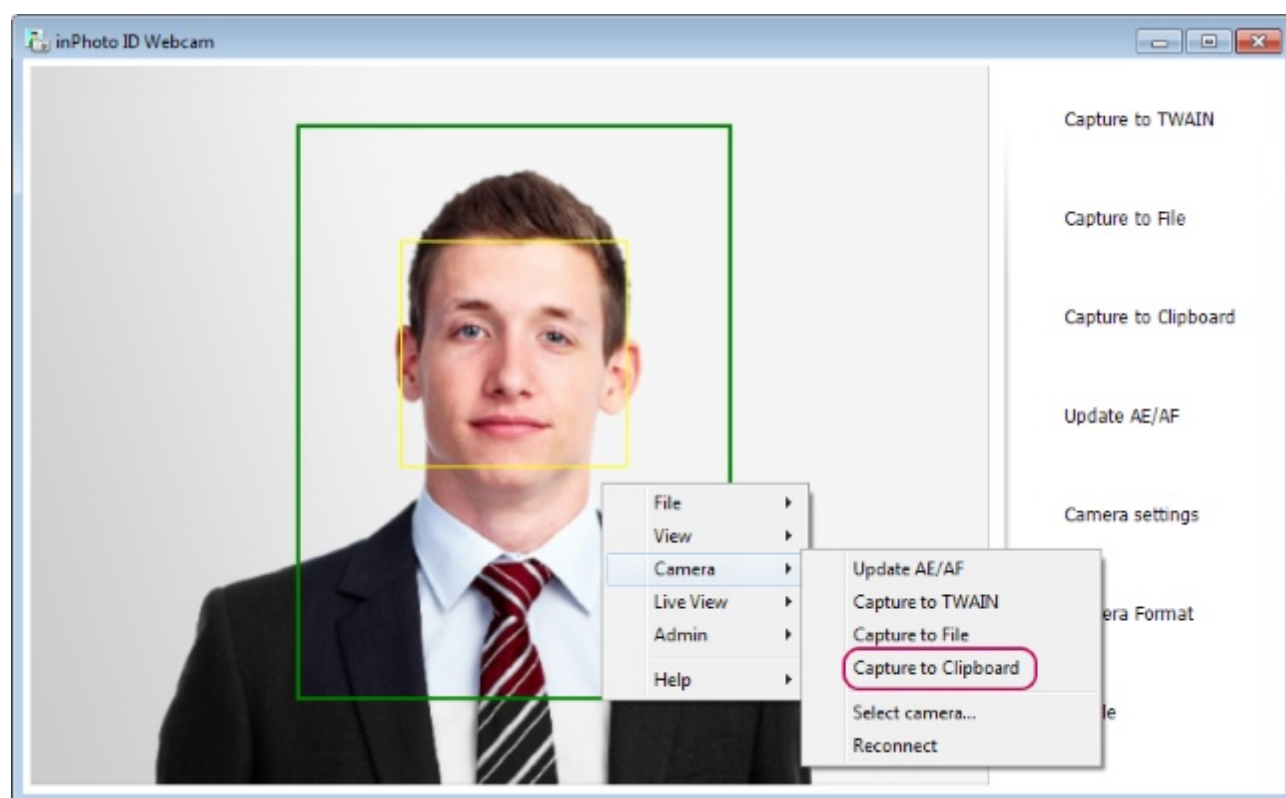
The command can be started from the **Camera** main menu > **Capture to Clipboard** or from the side menu by pressing the **Capture to Clipboard**.



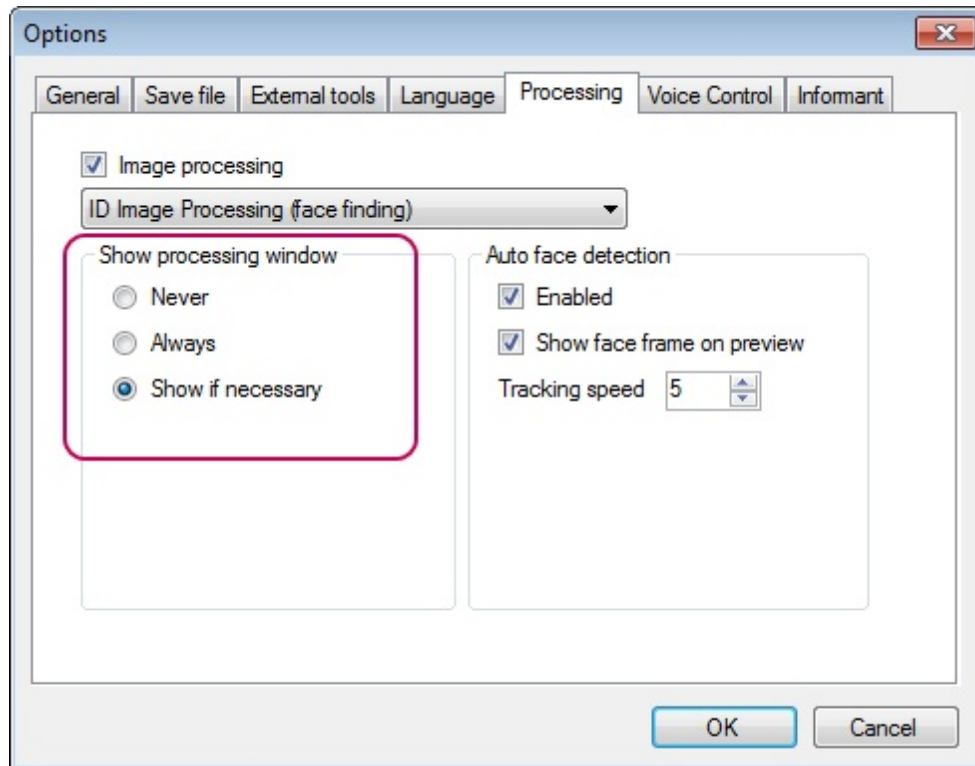
*By default, the application interface is set in such a way that the **Capture to Clipboard** button is hidden on the side menu. To make the button visible, please enter the **File** menu > **Options** > **General** tab and set the **Show Capture to Clipboard** button setting.*

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



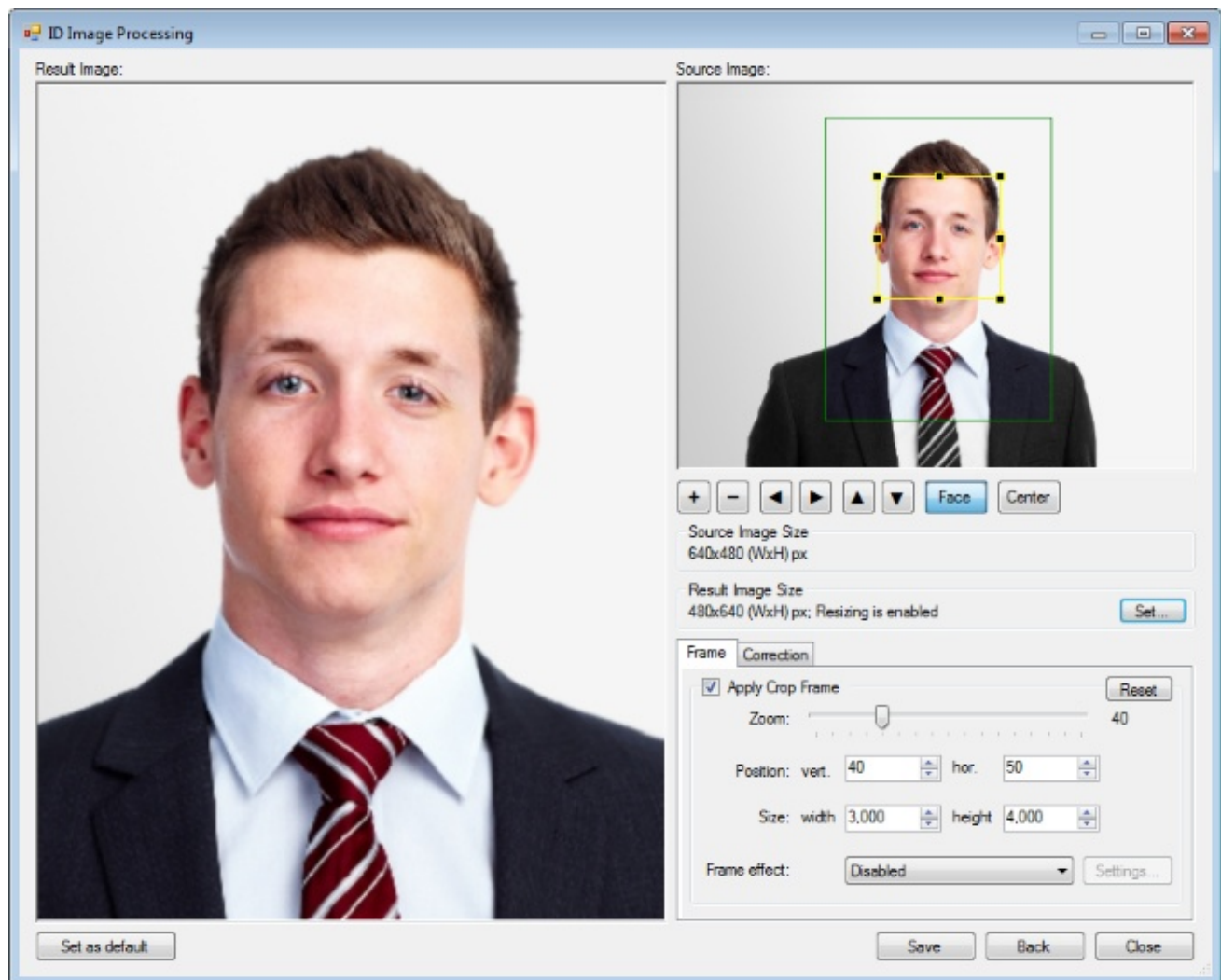


Further course of processing depends on the settings set by the user. Please note that the key processing settings are located in the **File** main menu > **Options** > **Processing** tab.



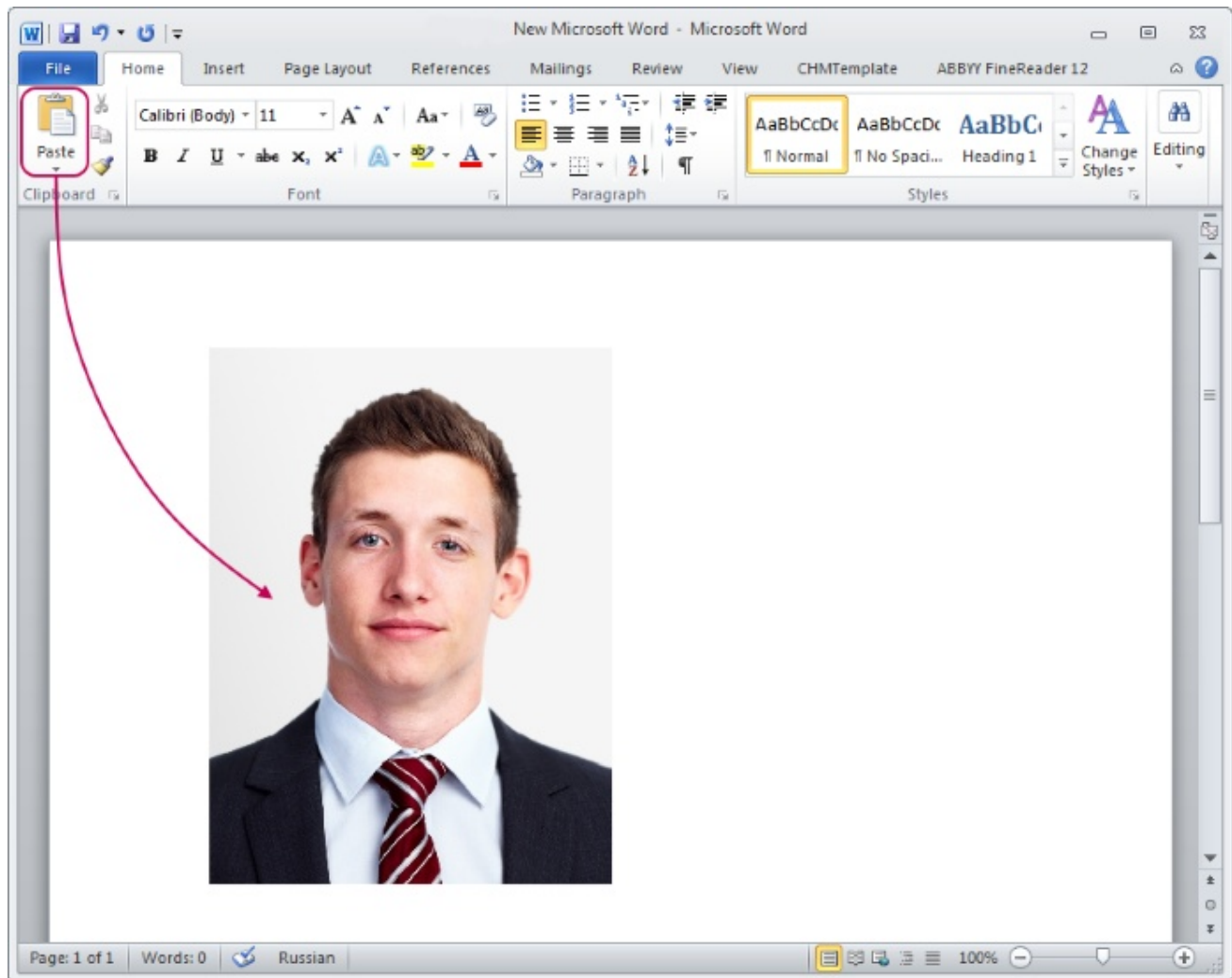
By default, the program opens the **ID Image Processing** dialogue during processing only if a user's participation is needed for processing the image. The dialogue will not be opened for the successfully processed photos.

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



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 note that **inPhoto ID Webcam** 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 7. Voice Control

**inPhoto ID Webcam** provides the following voice features: process control using voice commands and voice message indication before shooting.

This features are described in details in the following sections:

[Voice Control](#)

[Voice Informant](#)

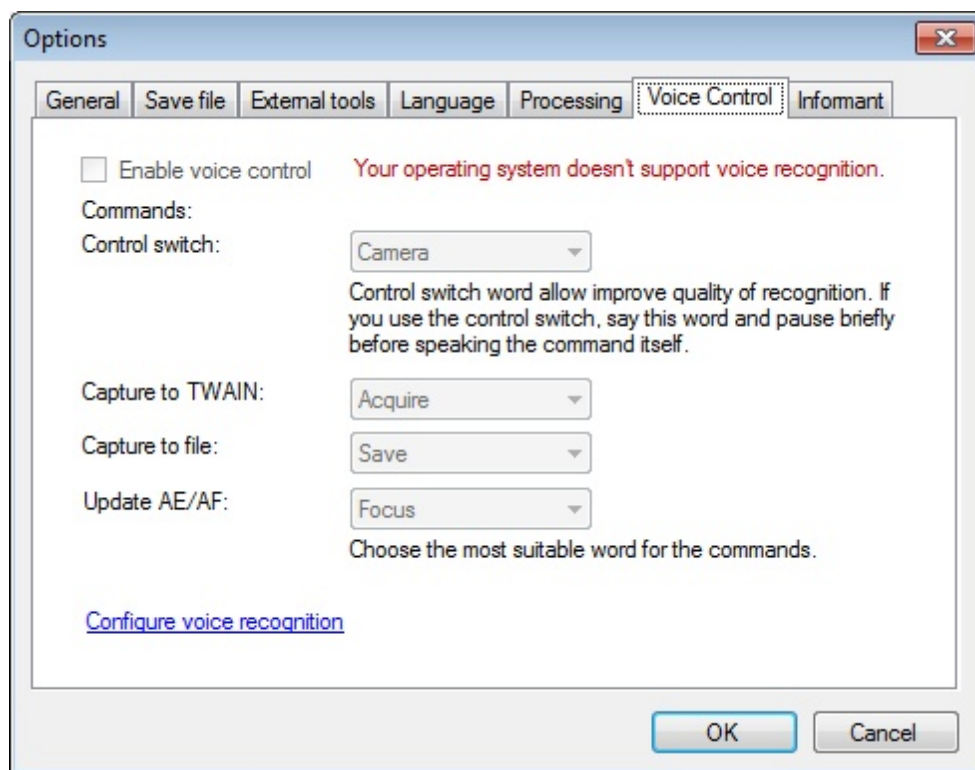
## Voice Control

The voice features allow user to manage image shooting and processing remotely. In other words, after frame setting you can freely move giving voice commands and **inPhoto ID Webcam** will recognize and execute them.



*To use voice features, connect a microphone to your PC.*

Please note that the voice features are only available if the language your system locale is English. The Microsoft Windows system doesn't support speech recognition for other languages. If your system locale is not English, you will see the follow message "**Your operating system doesn't support voice recognition**" opposite to the **Enable voice control** setting and the setting itself will not be activated.



At the time of writing of the User Guide, English is included in the **Windows Enterprise** and **Windows Ultimate** packages. How to identify the language of your system locale and how to change, it you can find it out on the Microsoft website by clicking on the following links:

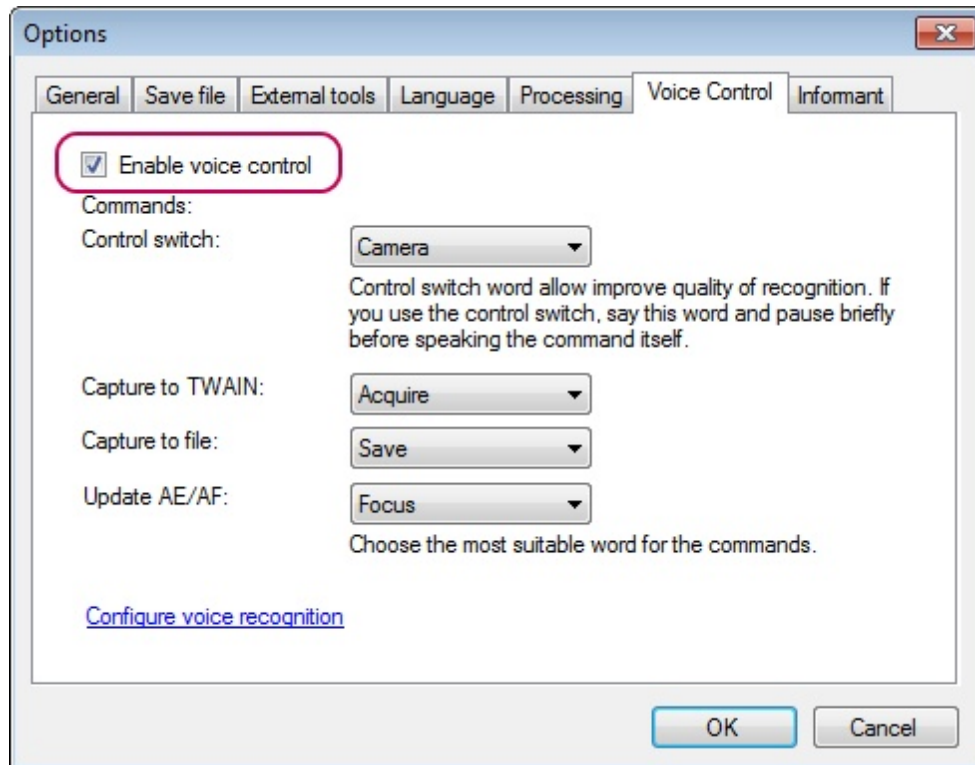
<http://windows.microsoft.com/en-us/windows/change-system-locale#1TC=windows-7>

- for

**Windows 7** and <http://windows.microsoft.com/en-us/windows/change-system-locale#1TC=windows-vista> - for **Windows Vista**.

Then, we are describing how to use voice features step-by-step.

**Step 1.** Switch on the **Enable voice control** setting. After that, all fields of the tab are activated.

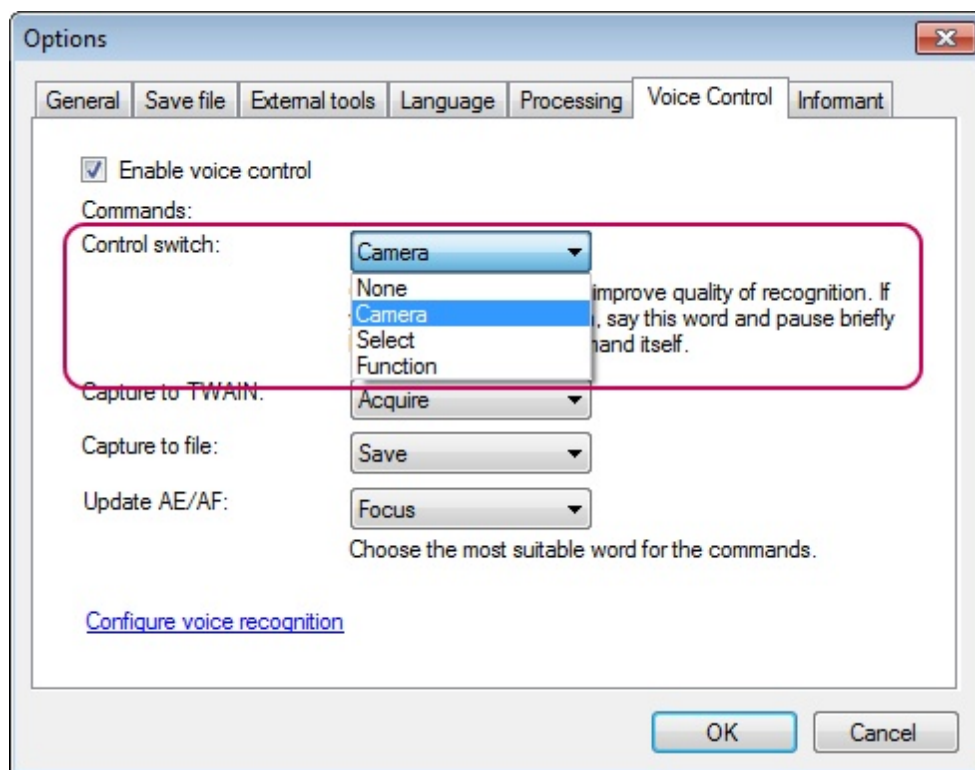




**Step 2.** The tab then contains the possible commands. There are a list of command launching words against each command.

The **Control switch** command helps to improve recognition of other commands. So, if a control switch is on, the words specified for other commands will be recognized by the program only after the control switch word sounding. If you say the launched word and don't say the control switch before it in everyday speech, the word will not be considered by the program as the voice command.

If you are not convenient to use the control word you can select the **None** value. In this case, you just have to say one word to launch the corresponding command.



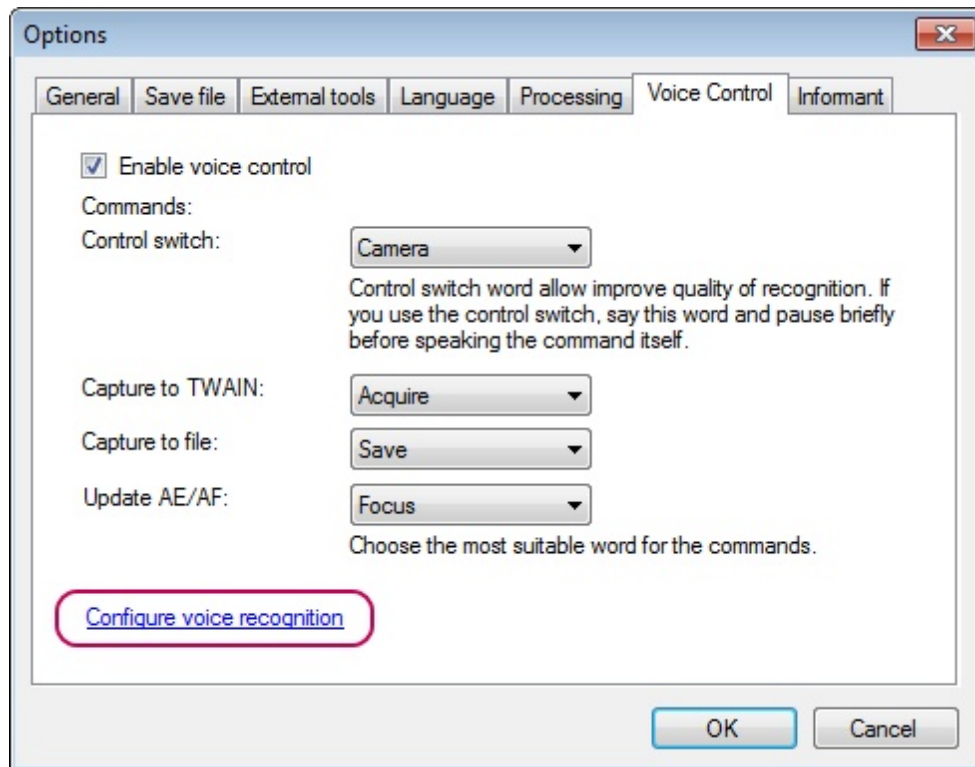
More details on the **Capture to TWAIN** and **Capture to File** commands you may be found out in the **Processing** chapter, the [Capture to TWAIN](#) and the [Capture to File](#) sections.

The **Update AE/AF** command is described in the **Camera** chapter, the [Update AE/AF](#) section.

Then, select a launching word for each command that you intend to use. For this reason, say the launching word and evaluate how it is convenient to use.

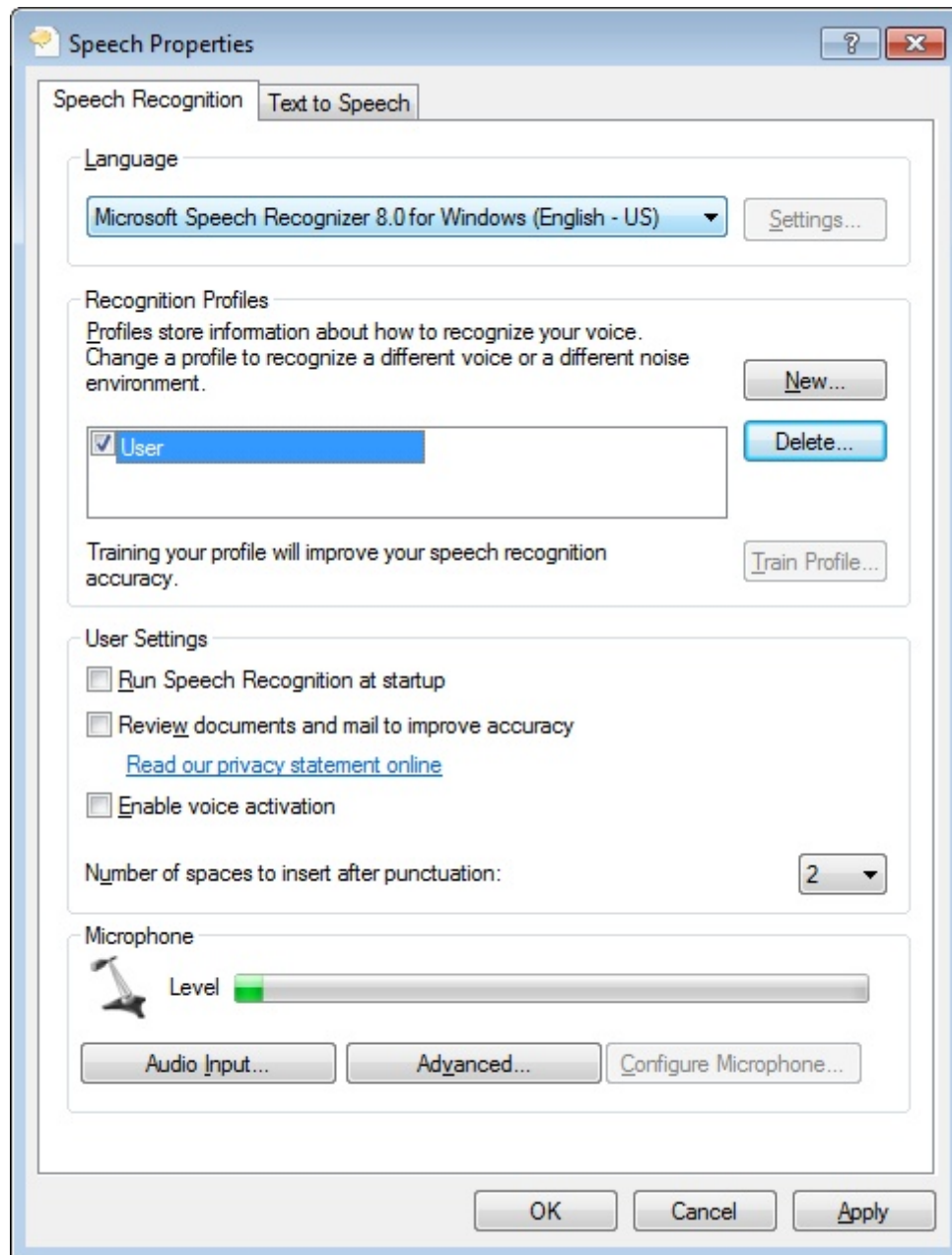
**Step 3.** At this step, we are describing how to configure and test your microphone.

The **Configure voice recognition** link located at the bottom of the tab opens the **Speech Properties** dialogue.



You can select the desired microphone in the dialogue (if several devices are connected) to check that it works properly, to listen to your message recorded through the selected device, to change the microphone settings.

So, change the microphone settings if required, make sure the microphone transfers your voice messages to the operating system and then proceed to the next step.

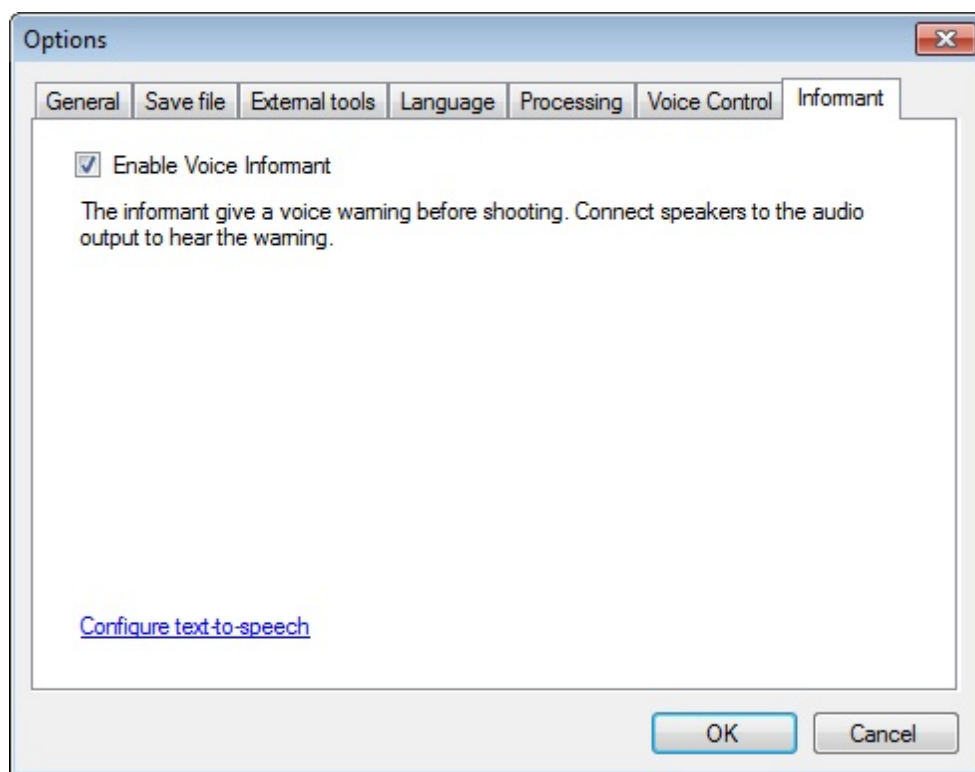


**Step 4.** To be sure the voice command has been recognized and implemented, it is convenient to use the voice commands together with the voice informant. The voice informant displays a countdown panel for shooting and transfers the "**Attention! Look in to the camera. Shooting!**" voice message to the playback device. Thus, if the voice informant is counting down, it means your voice command is implementing.



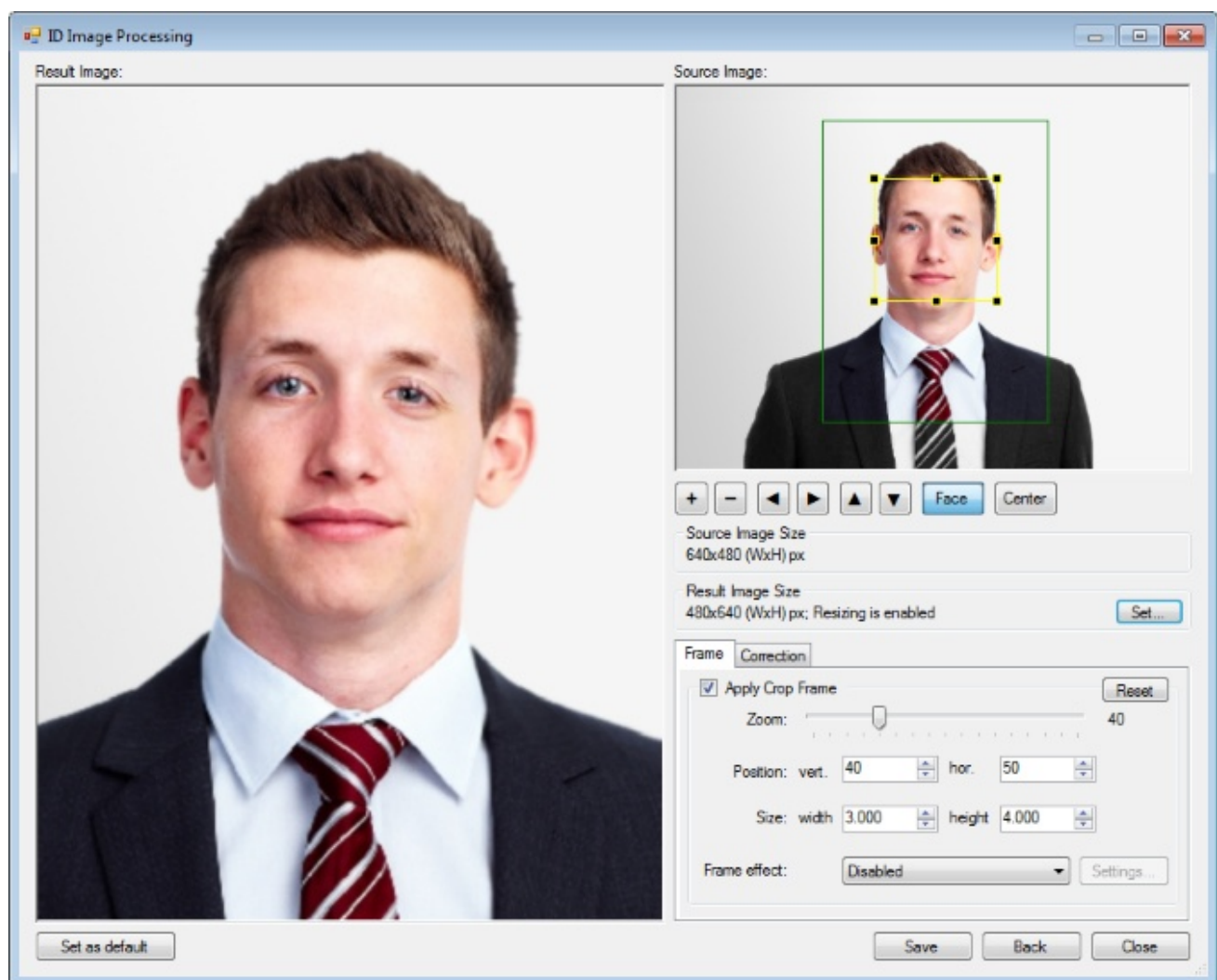
*The informant is launched only just before shooting. It will therefore be active during implementation of the **Capture to TWAIN** and **Capture to File** commands. Please note that the informant will not be applied to the **Update AE/AF** command.*

More details on the voice informant may be found in the [Voice Informant](#) section. At this stage, you are recommended to read about it and switch it on. However, switching on isn't a mandatory action for use of the voice commands.



**Step 5.** When your microphone is ready, the launching words are selected, the voice informant is on, say your voice command and check out the result of its implementation.

So, say one of the launching words loud and clear, for example, **Save**. If the voice informant is on, you will hear a message and see a countdown timer in the program window; after that, the image will be captured and then processing will be launched. The program can open the dialogue of image processing during processing. That cases the dialogue will be called up and that actions you can select therein are described in more details in the [General Settings](#), [ID Image Processing dialogue](#) and [Actions](#) sections.



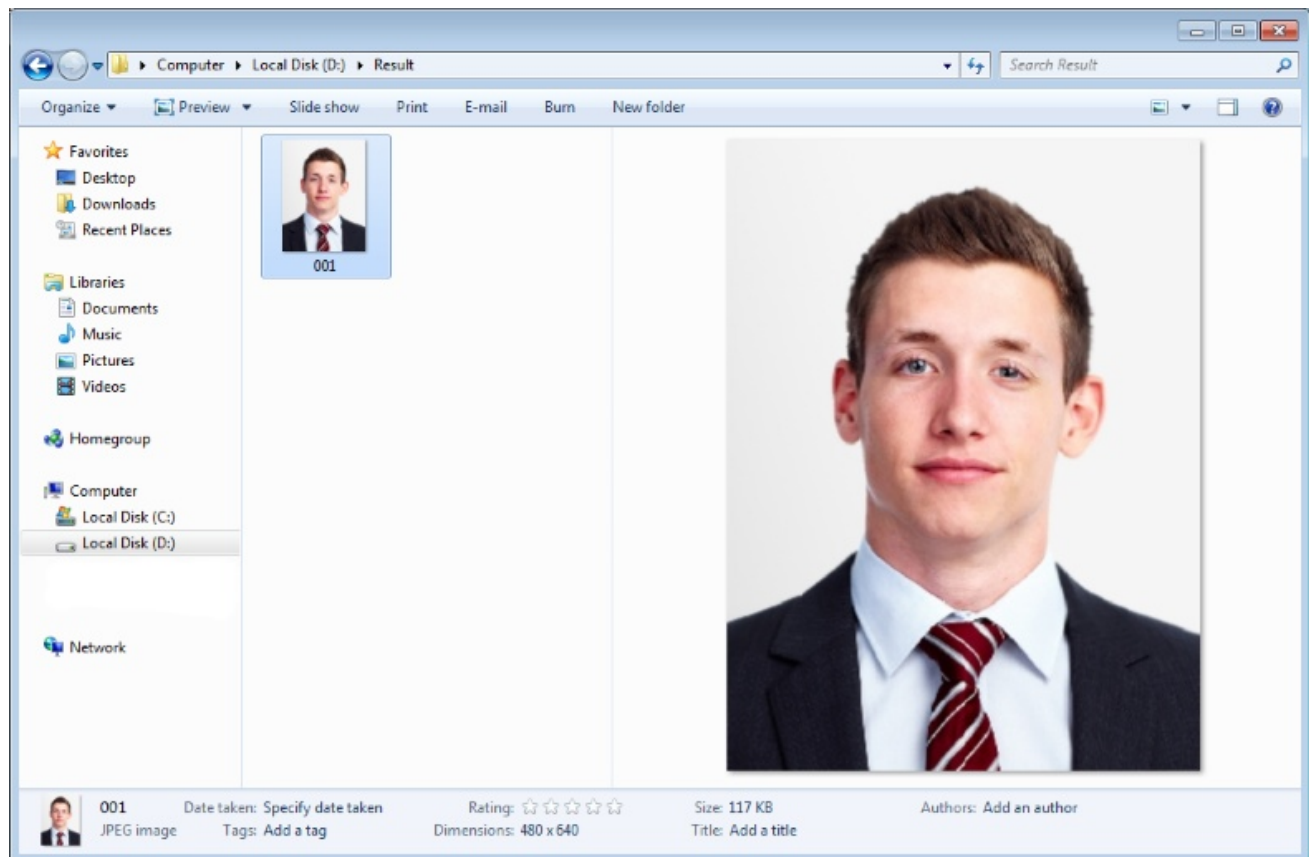
*If your voice command has not been recognized, use an alternative launching word or correct the microphone settings.*

**Step 6.** Let's check the command execution result. We have said the **Save** word that launched the **Capture to File** command, therefore the image should be captured, processed and saved in the specified folder on the disk.



*The folder into which the program will save processed images you may be entered in the main menu: **Options > General > Save file > Folder to save images.***

The command has been successfully executed as shown in the picture below: the processed image is located in the folder.



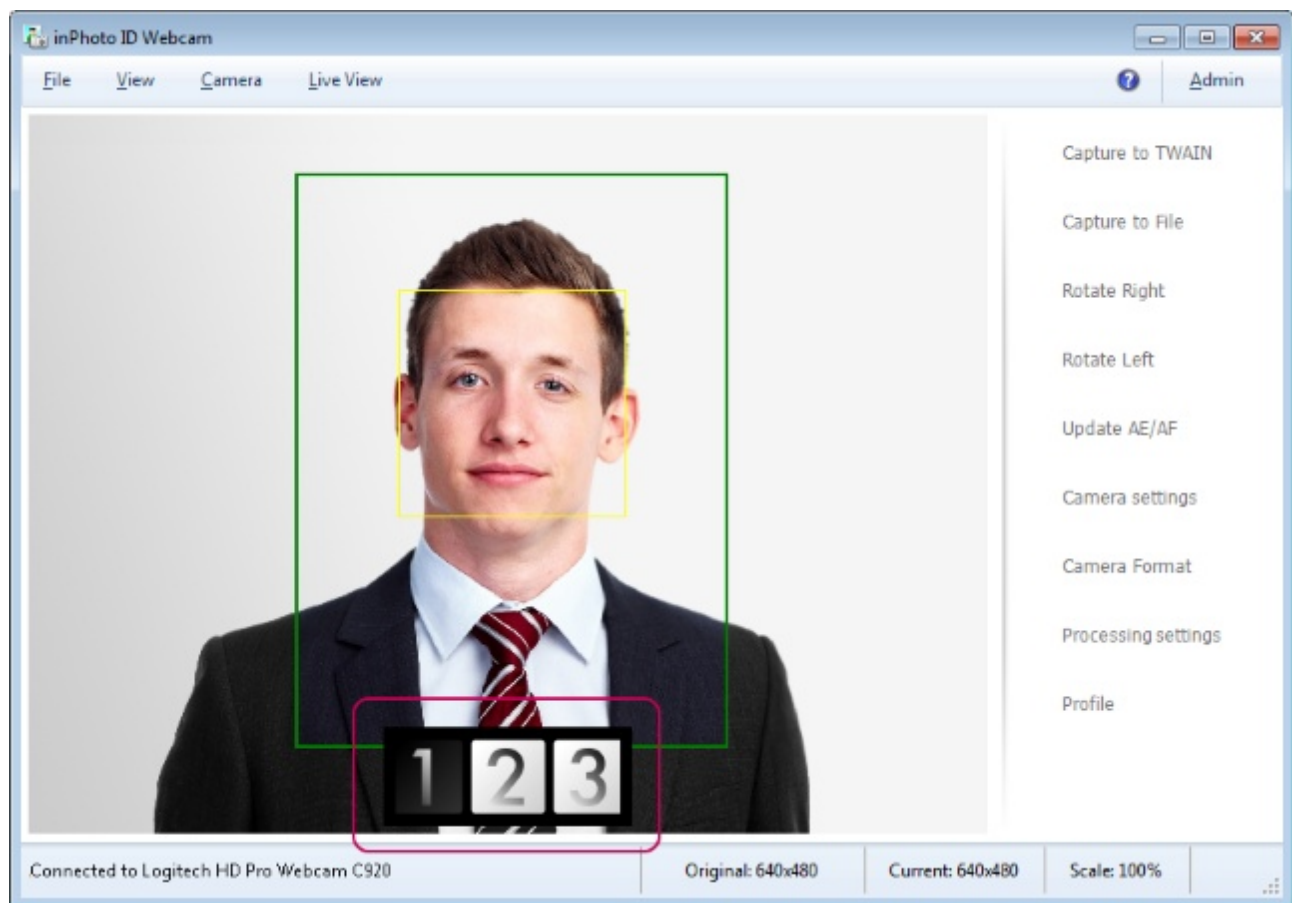
## Voice Informant

The function of the voice informant is to transfer a message to the playback device before shooting.

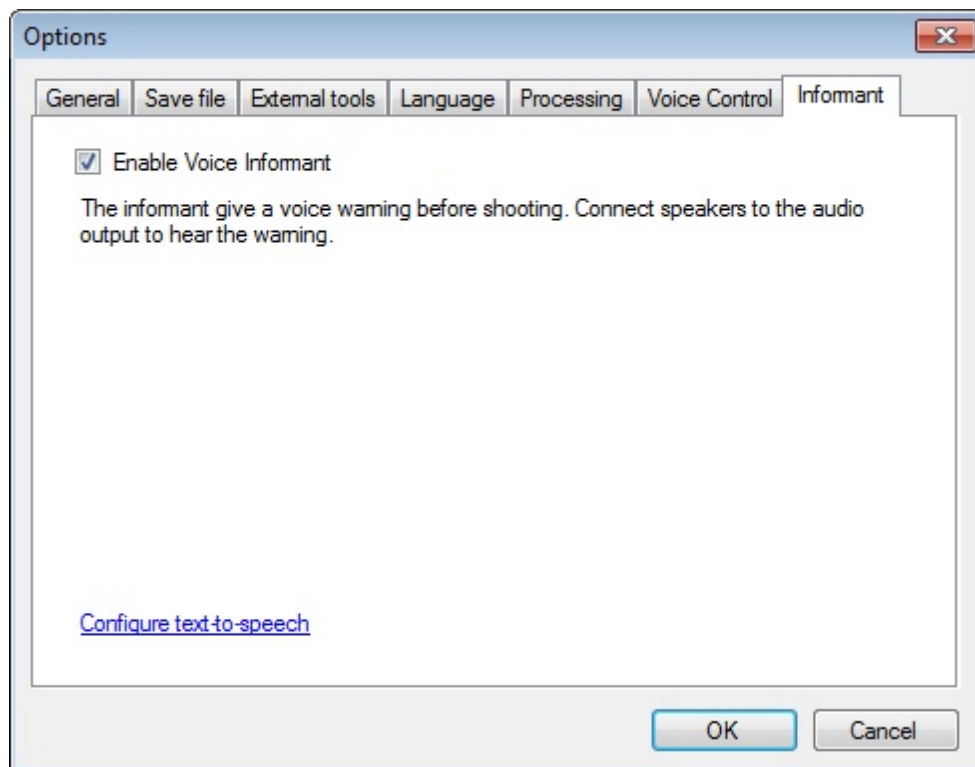
If the informant is on, the user will hear the "**Attention! Look in to the camera. Shooting!**" voice message before shooting. In parallel with the message sounding a counting down timer is displayed in the preview.



*To hear the message make be sure the sound device of your PC (speakers, a headset etc.) is on.*



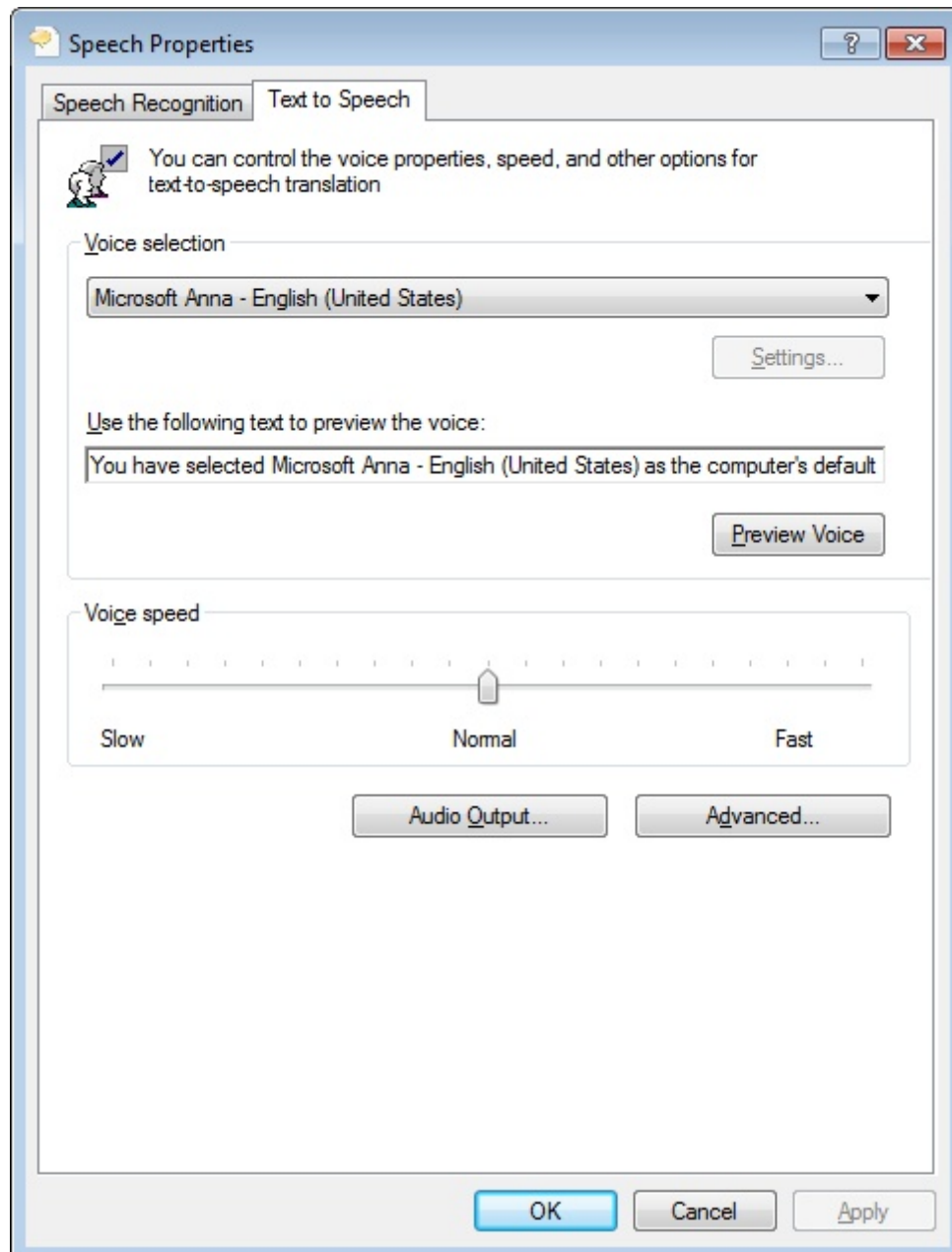
The informant settings are located in the **File** main menu > **Options** > the **Informant** tab.



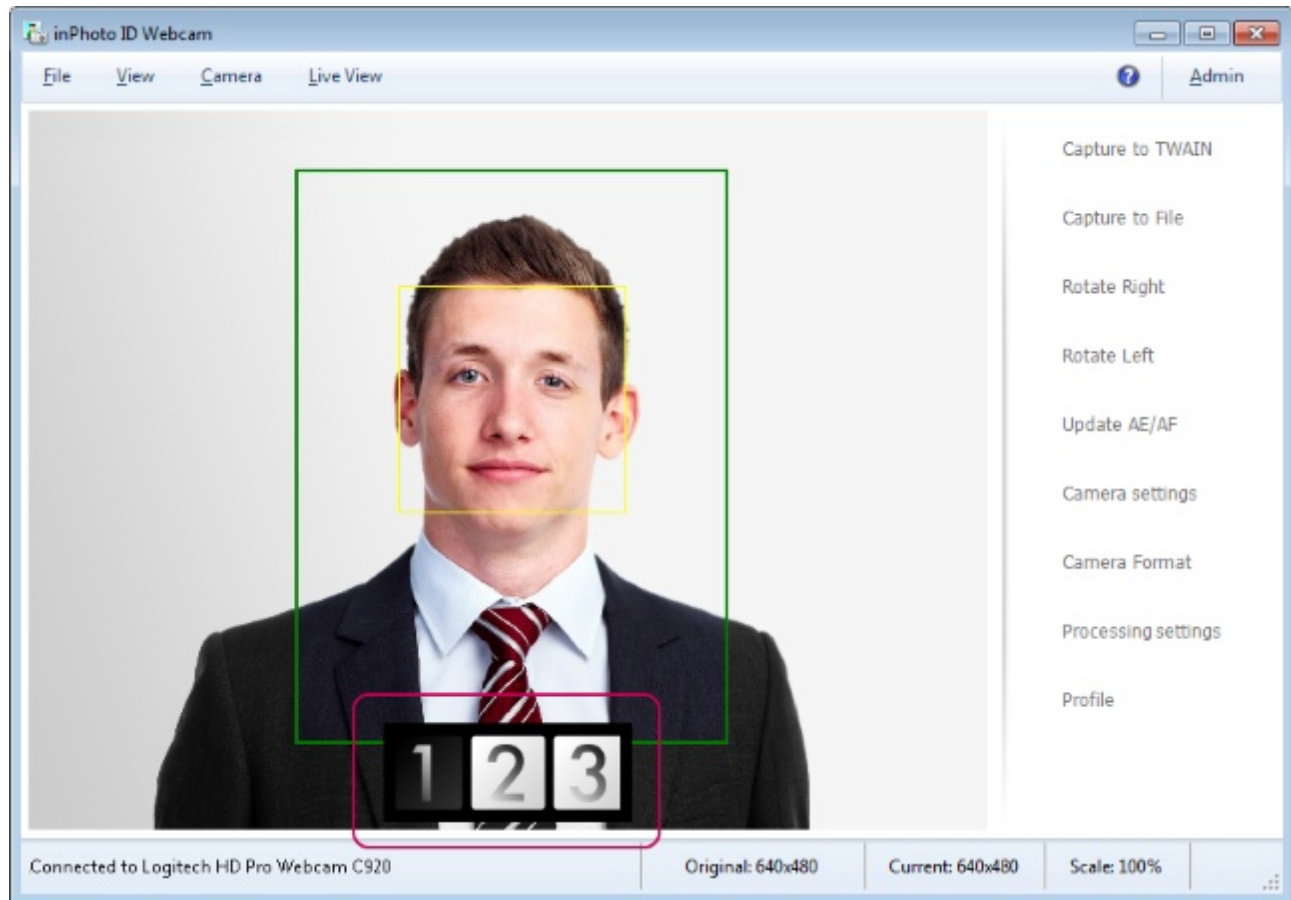


The **Enable Voice Informant** setting switches on/off a voice message indication before shooting.

The **Configure text to speech** link launches a dialogue to set the speech. The dialogue is open on the **Text to Speech** tab. On the tab, you can select and listen to the voice that will sound the message, set the voice speed, define the audio output device.



To see how does the voice informant work, switch on the **Enable Voice Informant** setting and launch processing using any of three ways: **Capture to TWAIN**, **Capture to File**, **Capture to Clipboard**. After that, a timer will be displayed on the preview. In parallel with counting down of the timer, the voice message will sound. Then image will be captured.



## Chapter 8. External Tools

There is a possibility for connecting external tools to the **inPhoto ID Webcam**. Such feature allows to automatically execute additional actions with the processed images. For example, image can be send via e-mail or open in the graphical editor right after processing without any interim actions by the user.

Further in this chapter, we will describe general algorithm of interaction between external tools and **inPhoto ID Webcam** and we will demonstrate how to send processed images via email, open them in a graphic editor and name images correspondingly to the content of xls file.

The contents of the chapter are as follows:

[Connection](#)

[Editing and Deleting](#)

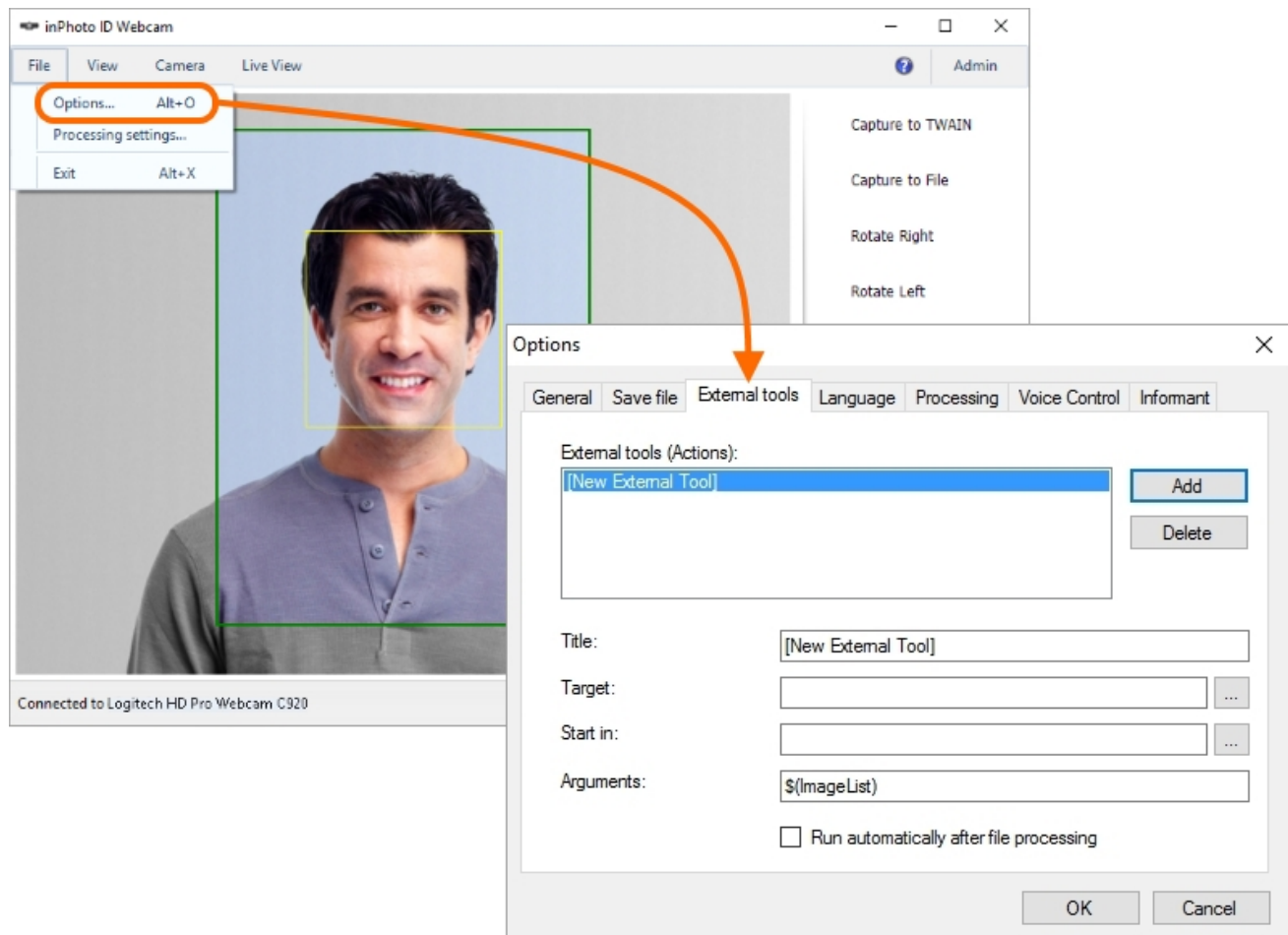
[Example with the Smtplib Email Client](#)

[Example with the Paint.net graphic editor](#)

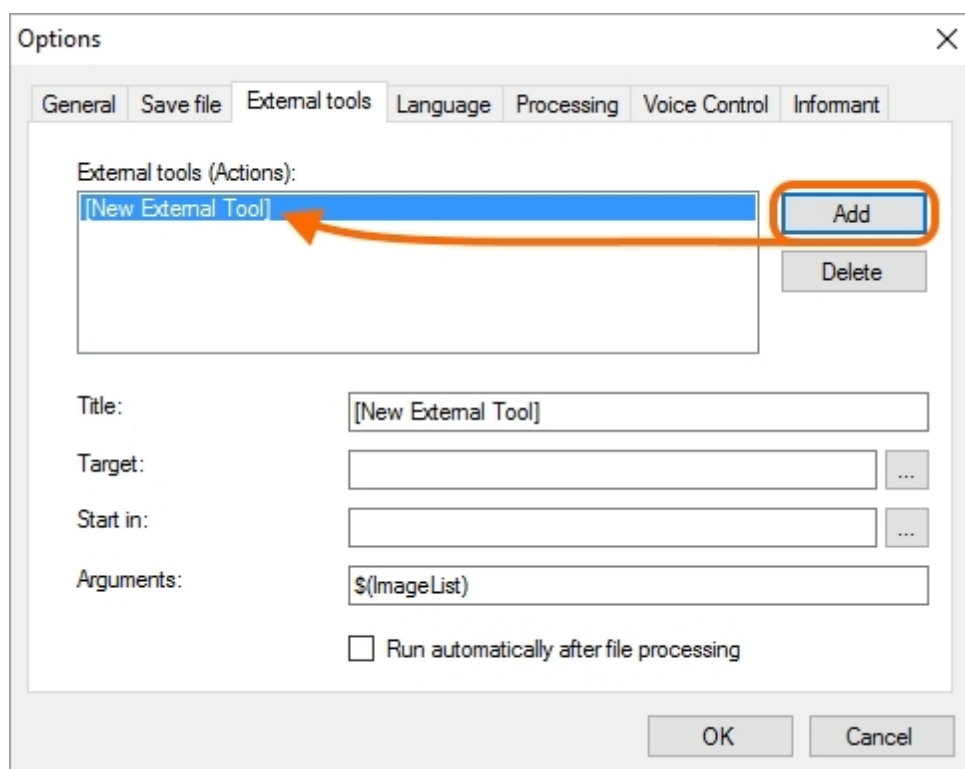
[Example with RenameFileByXL](#)

## Connection

All actions with external tools are to be done via the menu **File > Options > the External tools tab**.



To the fields to become active - select the required tool from the **External tools (Actions):** list or press the **Add** button, if the list is empty.

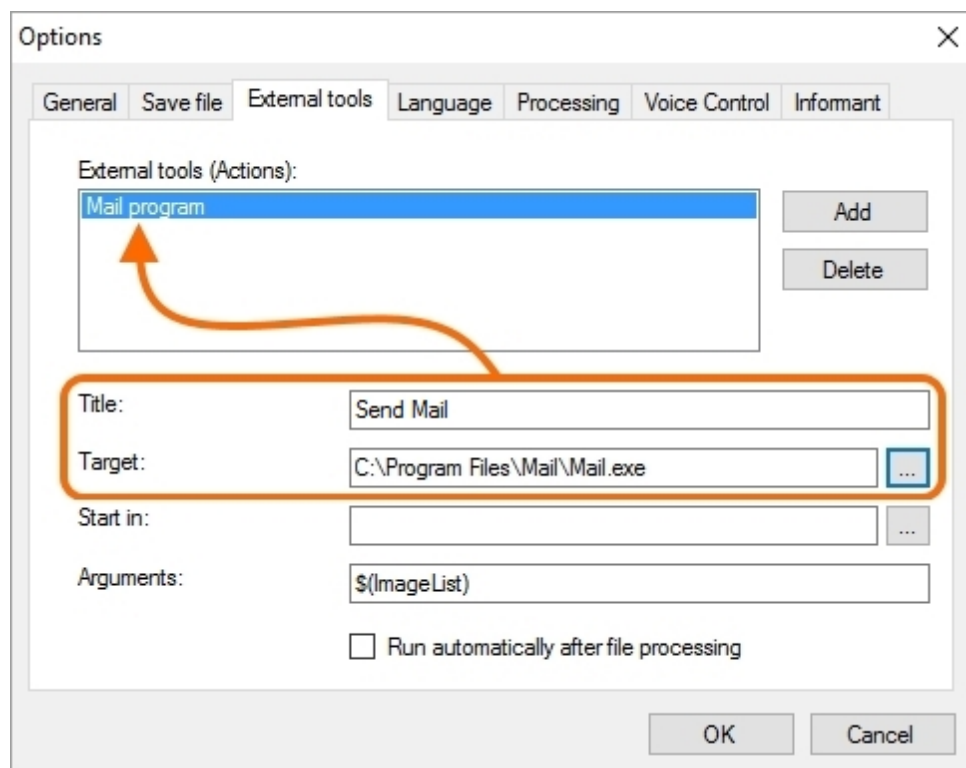


The **External tools (Actions):** box is the list of connected tools.

In the **Title** field, you can enter any convenient designation for the action that is performed by the tool. The designation that you enter will not affect **inPhoto ID Webcam** it is necessary to display the tool in the list of connected tools **External tools (Actions):**.

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

After completing the **Title** and **Target** fields, the tool will appear in the **External tools (Actions):** list:



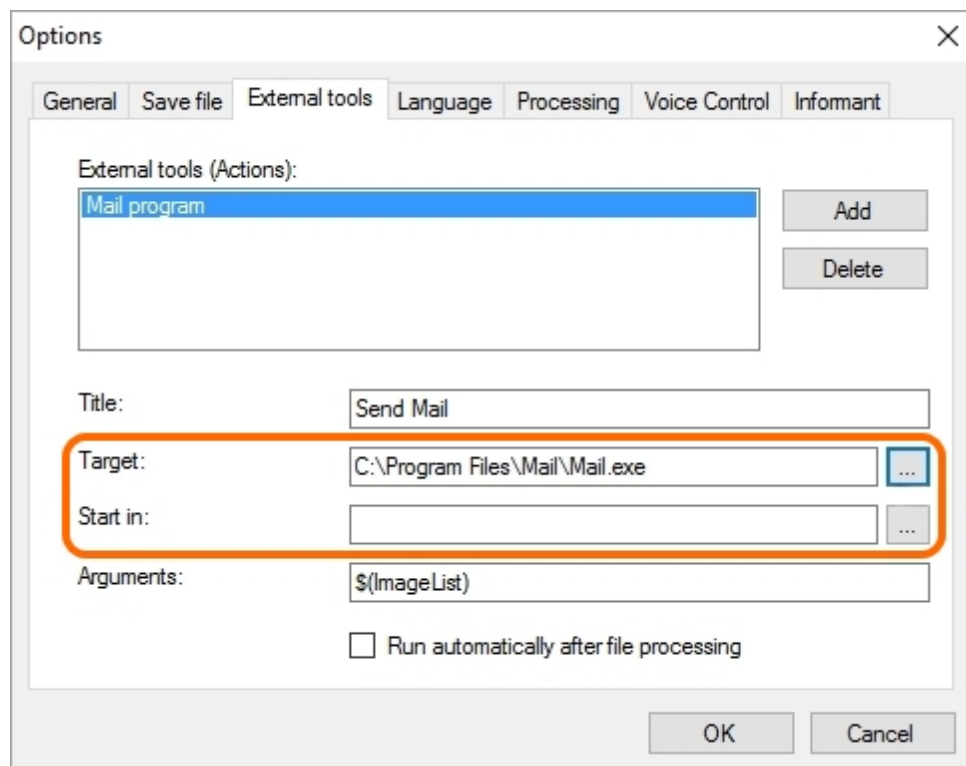
In the **Start in** field, there should be indicated the path to the folder from which **inPhoto ID Webcam** will start searching for the files required to work with external tool.

The **Start in** field is used for not entering long paths to files, but, once having indicated the work folder, to use file names only. Such an approach allows to make information in the form fields more indicative and to avoid mistakes.

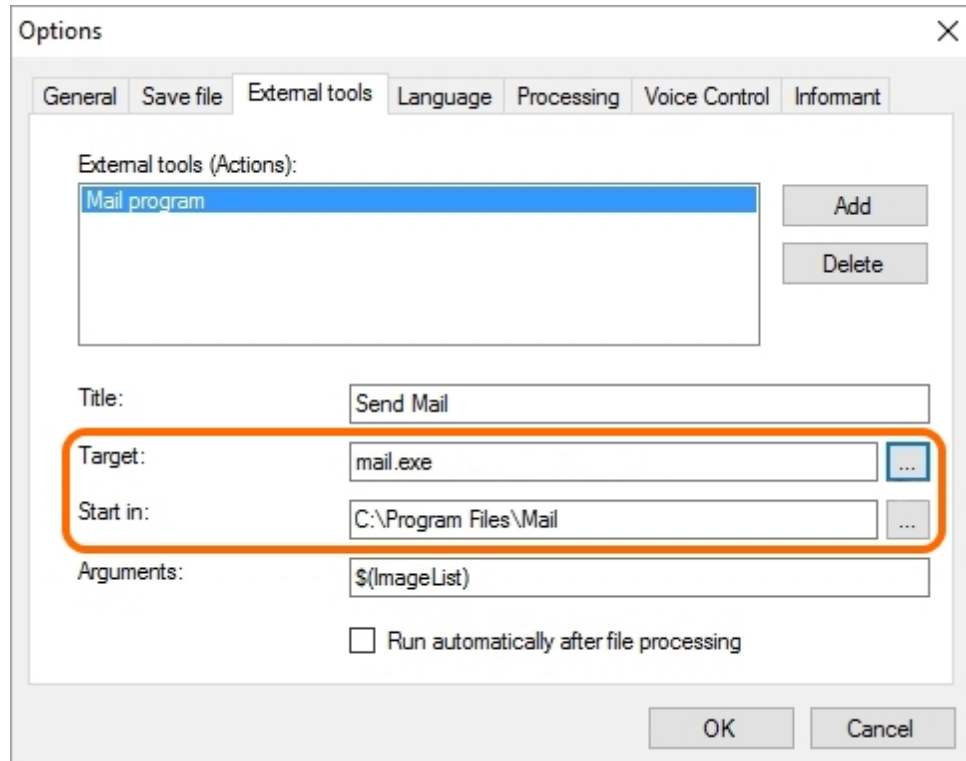
For example, if you prefer to enter in the **Target** field a file name only and do not wish to enter full path to an application file, please state in the **Start in** field the folder containing the application file. After that, you can enter all the files in this folder without paths.

If you prefer not entering paths to auxiliary files of an external application that (the files) will be entered into the argument string, you can state as a work folder the folder containing the files and then use only files' names in the argument string. We will make like that in the example with the **RenameFileByXL** tool.

Example without stating a work folder:



Example with stating a work folder:



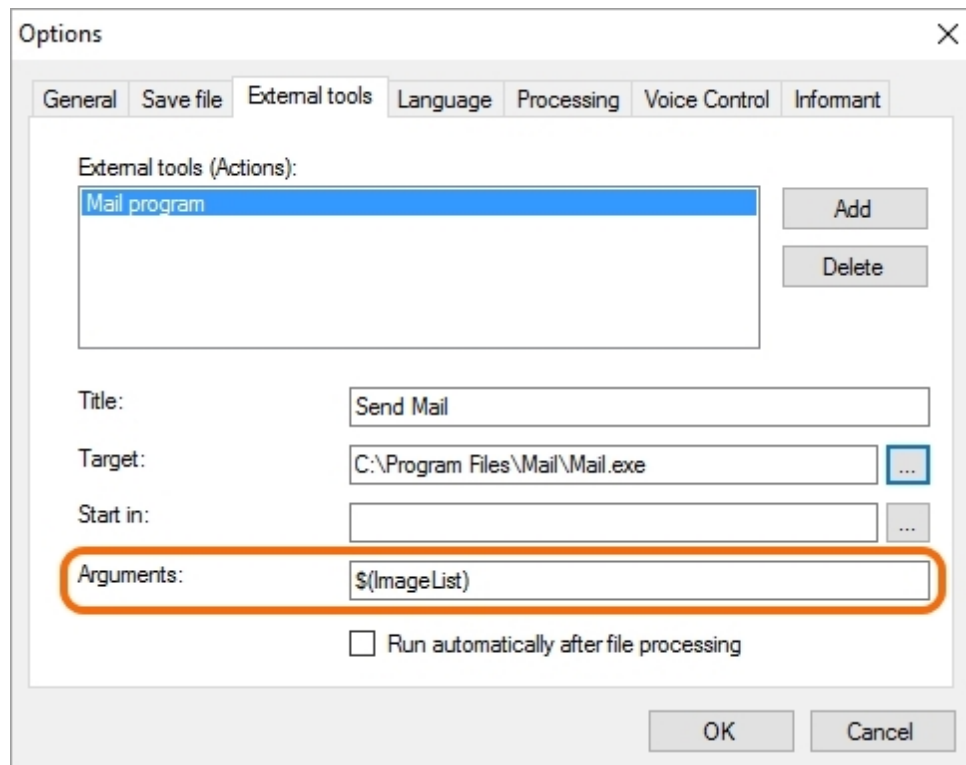


The **Arguments** field contains the command string arguments required for applying to an external tool. Each tool has its own set of arguments.

By default, the field contains the **ImageList** variable. When an external tool is addressed, the variable gets the value of the full name of the processed image file.

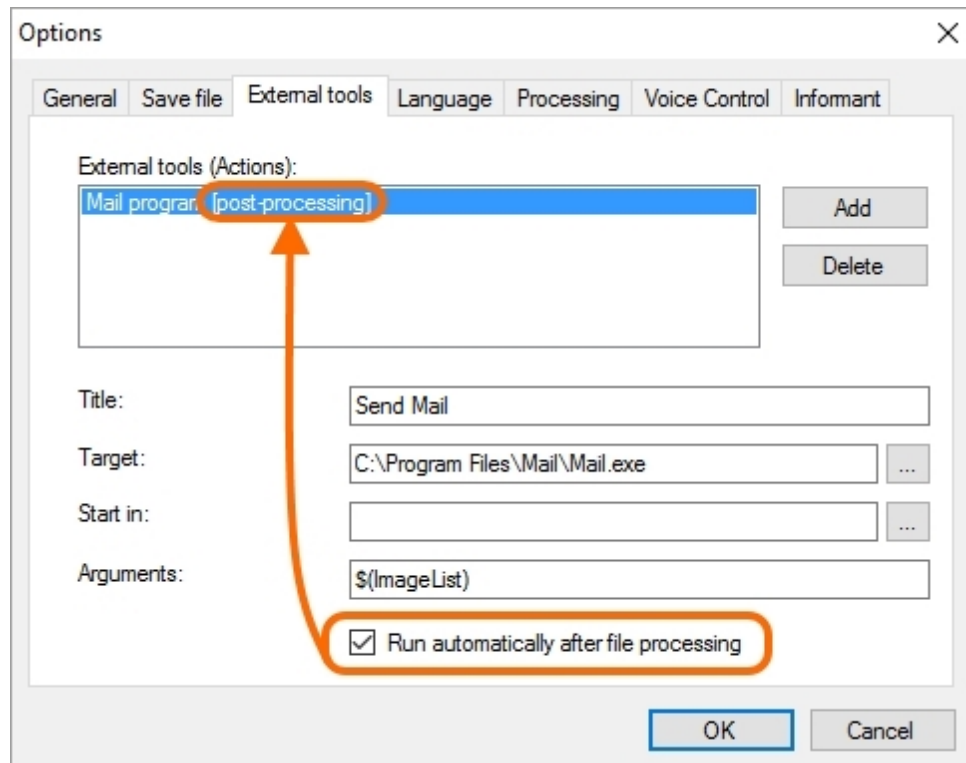
You can use the **ImageList** variable in the argument string or change it with the name of a specific file or group of files. In this case, the name of file or files is to be entered fully and in quotes. Use a space between names as a separator.

Example: "d:\portrait1.jpg" or "d:\portrait1.jpg" "d:\portrait2.jpg" "d:\portrait3.jpg".

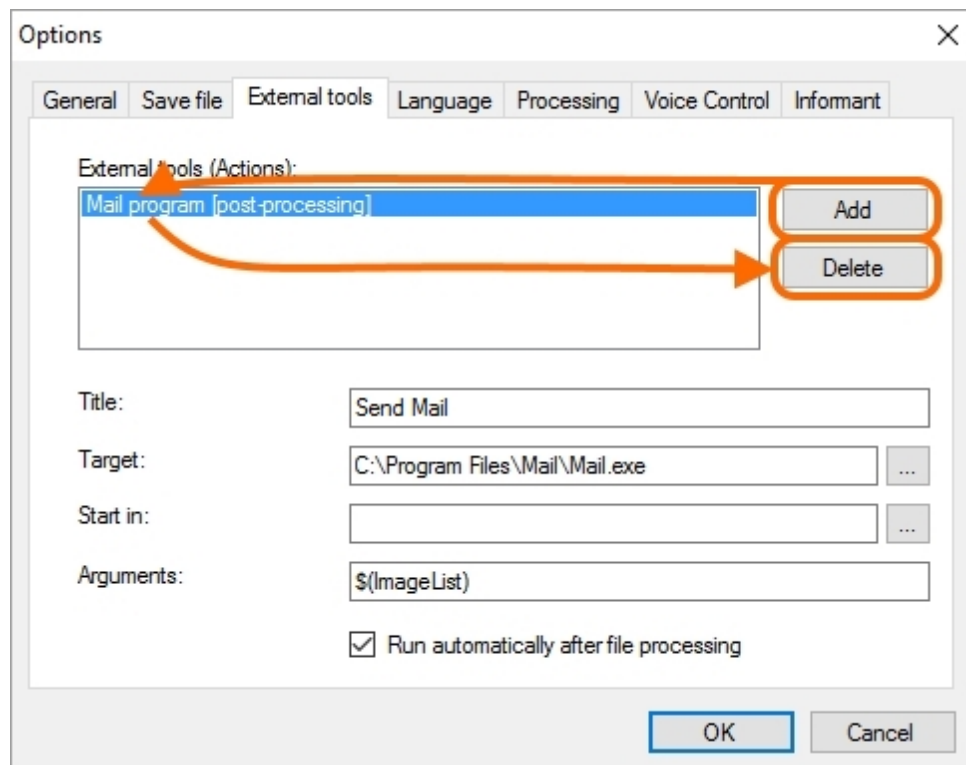


**Execute after processing** parameter enables and disables start up of an external tool after completing image processing. Near the tool for which you active the parameter you will see the text **[post-processing]**.

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

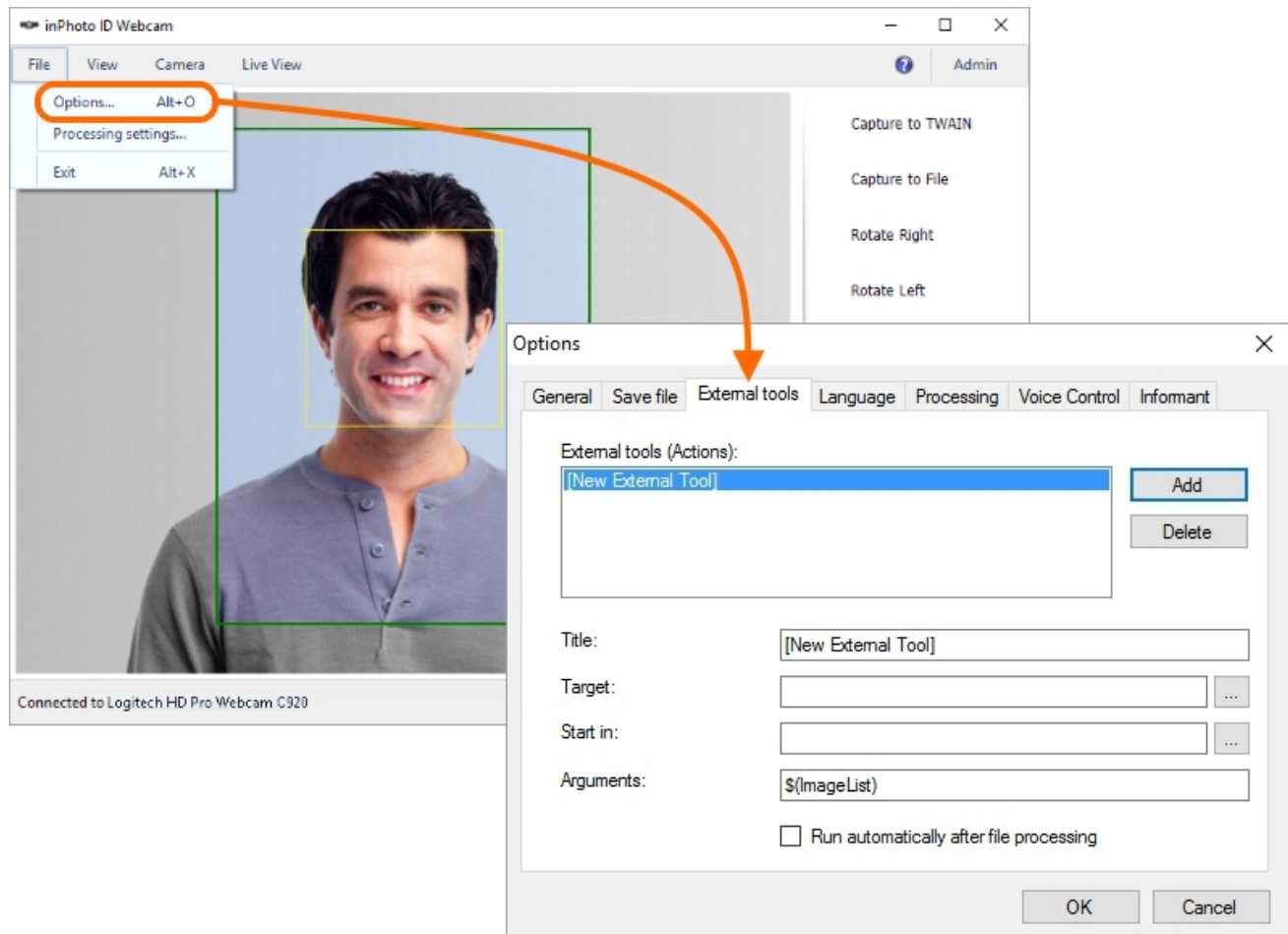


**Add** and **Delete** serve for adding and deleting external tools respectively.

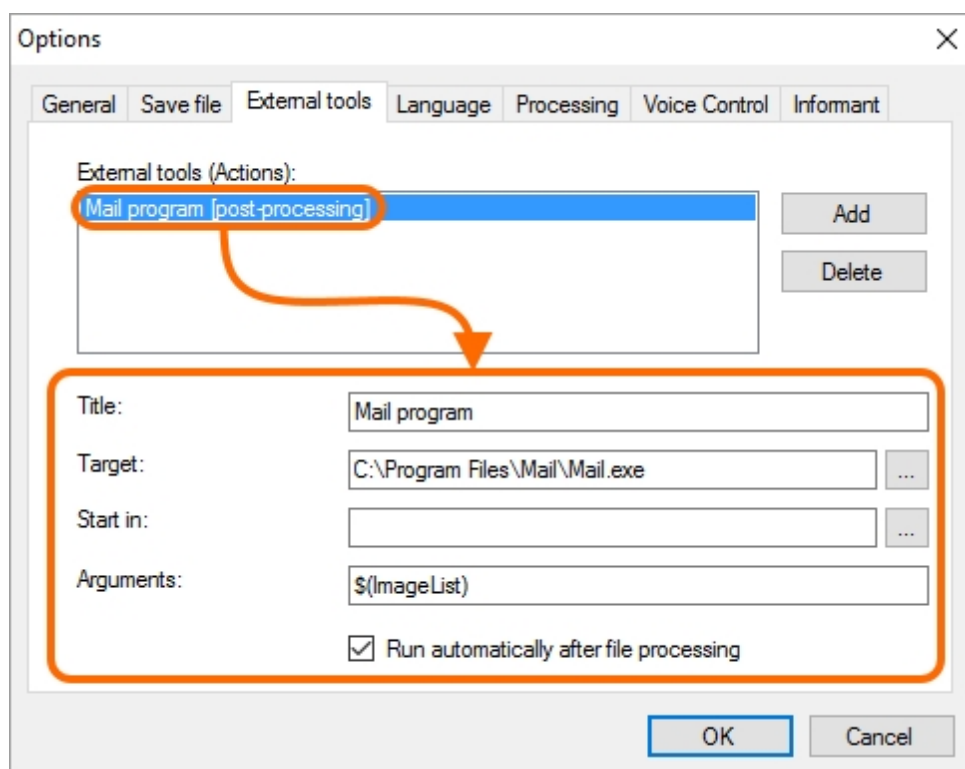


## Editing and Deleting

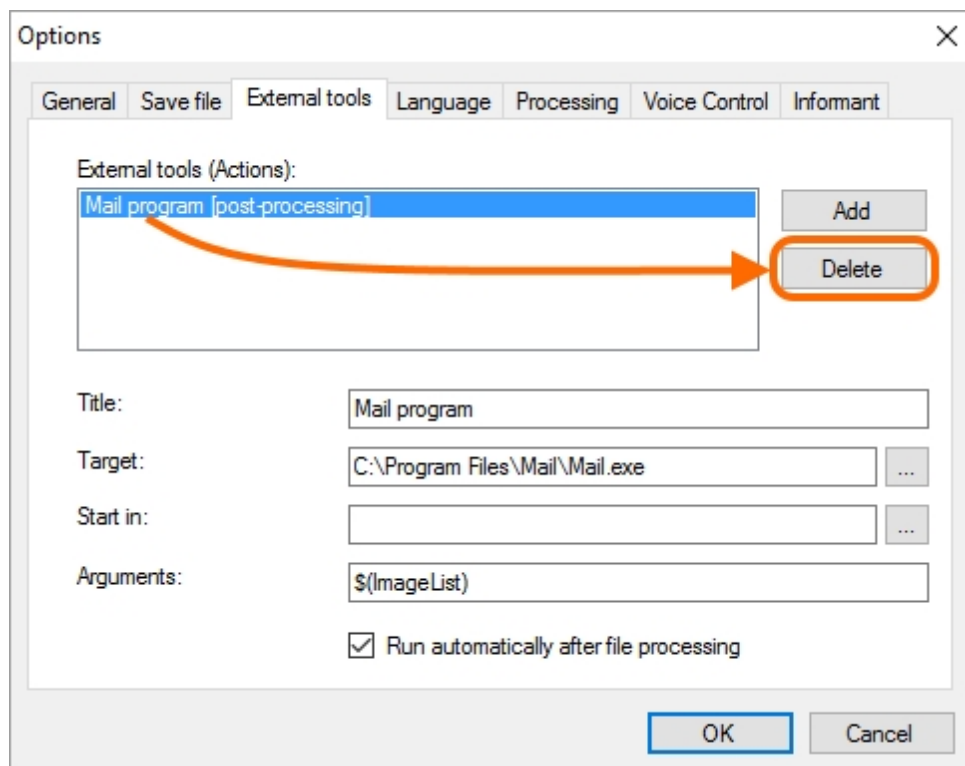
As connections, editing and deleting of external tools are carried out through the **File** menu > **Options** > **External tools** tab.



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



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



## Example with the Smtplib Email Client

**Smtplib** is a command-line tool for sending emails. **Smtplib** allows sending emails with one or several attachments to one or several addressees and to add addresses to copy or Bcc. The tool uses the **SMTP**-protocol and supports the encryption function (**SSL**).

**Smtplib** is a product of the **IDPhotoCapture** Company and is a part of the **inPhoto ID Webcam** installation package. After installation of **inPhoto ID Webcam** has been completed, the **Smtplib.exe** executive file will be placed in the **inPhoto ID Webcam** folder. **Smtplib** may be used not only in combination with **inPhoto ID Webcam**, but as an independent command line driven program as well.

In the example provided below, we are going to connect the **Smtplib** postal tool to **inPhoto ID Webcam**, and then make and process an image. After that, an email with the processed image will be automatically sent to the given address.

The email will be sent from the **outlook.com** postal service to **gmail.com**.



*Please pay attention that for sending emails automatically, you have to activate in your postal service the setting allowing it. In general, this feature is disabled by default.*

*Please refer to the documents attached to your postal service or its support service to find out how to permit automatic actions.*

*By the moment of creature of this manual, you must confirm your account to allow automatic email transferring in **outlook.com**. For this purpose, in your account, enter the menu **Settings** -> **Options** -> **Email forwarding** -> **Verify your account** and pass the account validation procedure.*

Contents of the example:

[Creature of Configuration File](#)

[Connection of Smtplib to inPhoto ID Webcam](#)

[Processing with Automatic Email Sending](#)

## Creature of Configuration File

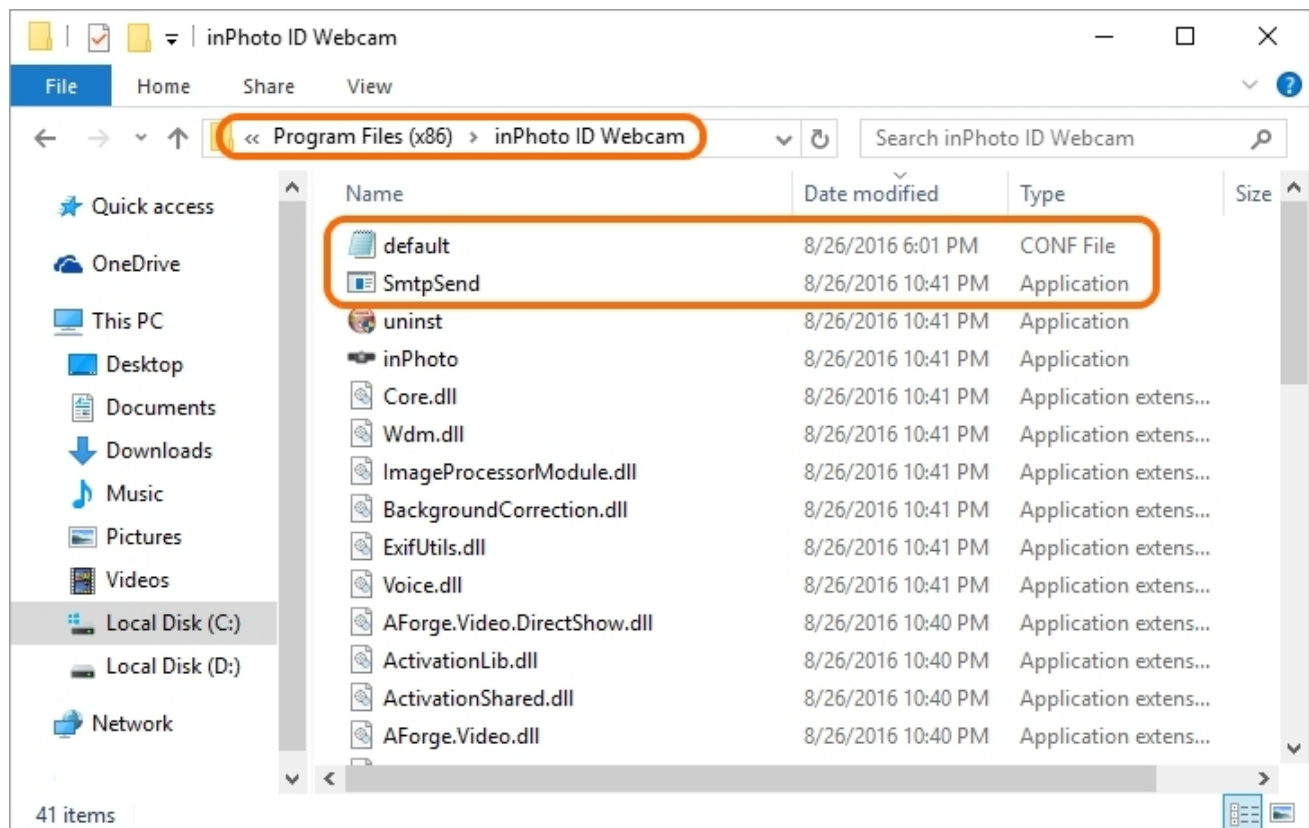
We will need a configuration file to address **SmtpSend**. The configuration file will contain server data, port number, sender's email, receiver's email, subject, and text body of the letter.

By default, **SmtpSend** considers **default.conf** as a configuration file name, and the folder containing **SmtpSend.exe** as its folder.

You can name and place the configuration file at your discretion. You may need several configuration files with different data set to send your emails.

In our example, we use values by default, but we will also provide you with an example of an argument string with different name and configuration file folder.

Ok, let us create the **default.conf** file in the **inPhoto ID Webcam** folder where the **SmtpSend.exe** file is located.





Data in **default.conf** will be described under the **JSON** format. Please pay attention the **JSON** format does not support commenting.

Let us take a look at all possible keys that may be indicated as settings:

**host:** - host name or server IP-address

Example: **host:** "smtp-mail.outlook.com",

**port:** - port number/ To send emails without encryption, they use port 25, and port 587 or 465 to send emails with encryption. The port 25 is set by default.

Example: **port:** 587,

**enableSSL:** - encryption support. **true** means the encryption is active, **false** means the encryption is disabled. The by default value is **false**.

Example: **enableSSL:** true,

**timeout:** - server standby time. The value is set in milliseconds. The by default value is 100000 (100 seconds).

Example: **timeout:** 30000,

**username:** - your email

Example: **username:** "send\_id\_photo@outlook.com",

**password:** - your password

Example: **password:** "inphoto2016",

**from:** - sender's email

Example: **from:** "send\_id\_photo@outlook.com",

**to:** - addressees' emails list. Use a comma as a separator.

Example: **to:** "get\_id\_photo@gmail.com", or **to:** "a@gmail.com, b@gmail.com, c@gmail.com",

**cc:** - a copy; it contains addresses to which the email will be also sent. Use a comma as a separator in the address list. The addresses added to **cc:** will be visible for all conversation participants. **Optionally**.

Example: **cc:** "d@gmail.com, f@gmail.com",

**bcc:** - a blind copy; it contains addresses to which the email will be also sent, but in contrast to **cc:** the addresses in a blind copy are not visible for other conversation participants. Use a comma as a separator in the address list. **Optionally.**

Example: **bcc:** "g@gmail.com, h@gmail.com",

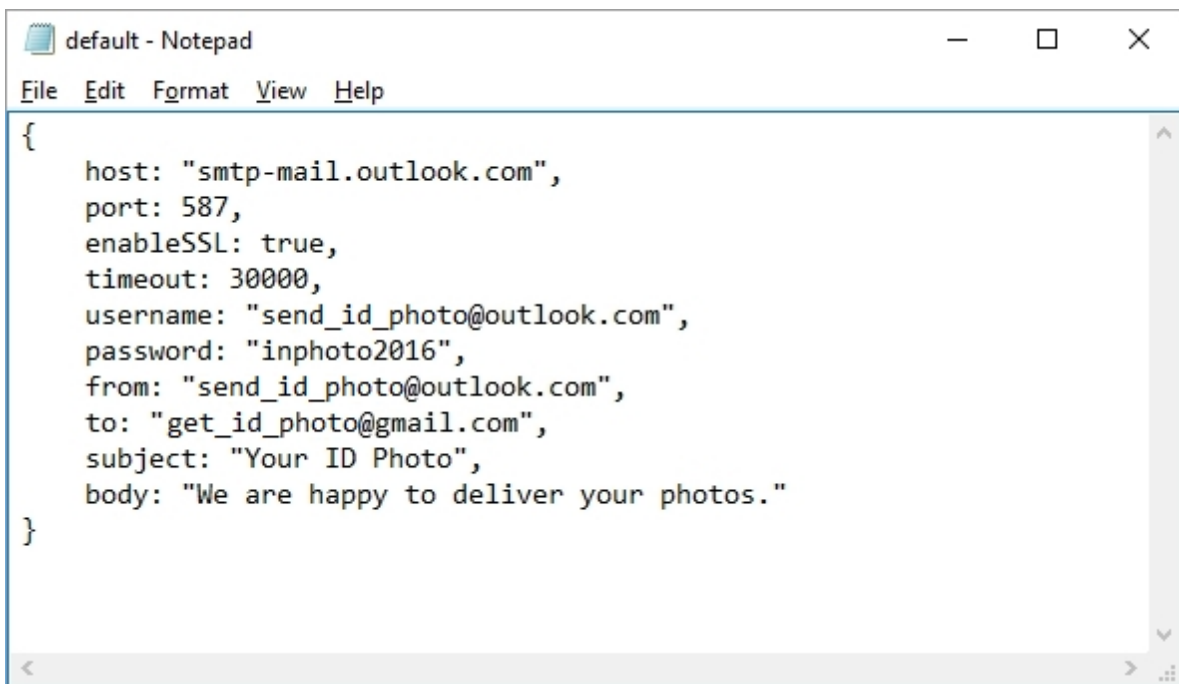
**subject:** - email subject

Example: **subject:** "Your ID Photo",

**body:** - email content

Example: **body:** "We are happy to deliver your photos."

Our configuration file will have the following appearance:

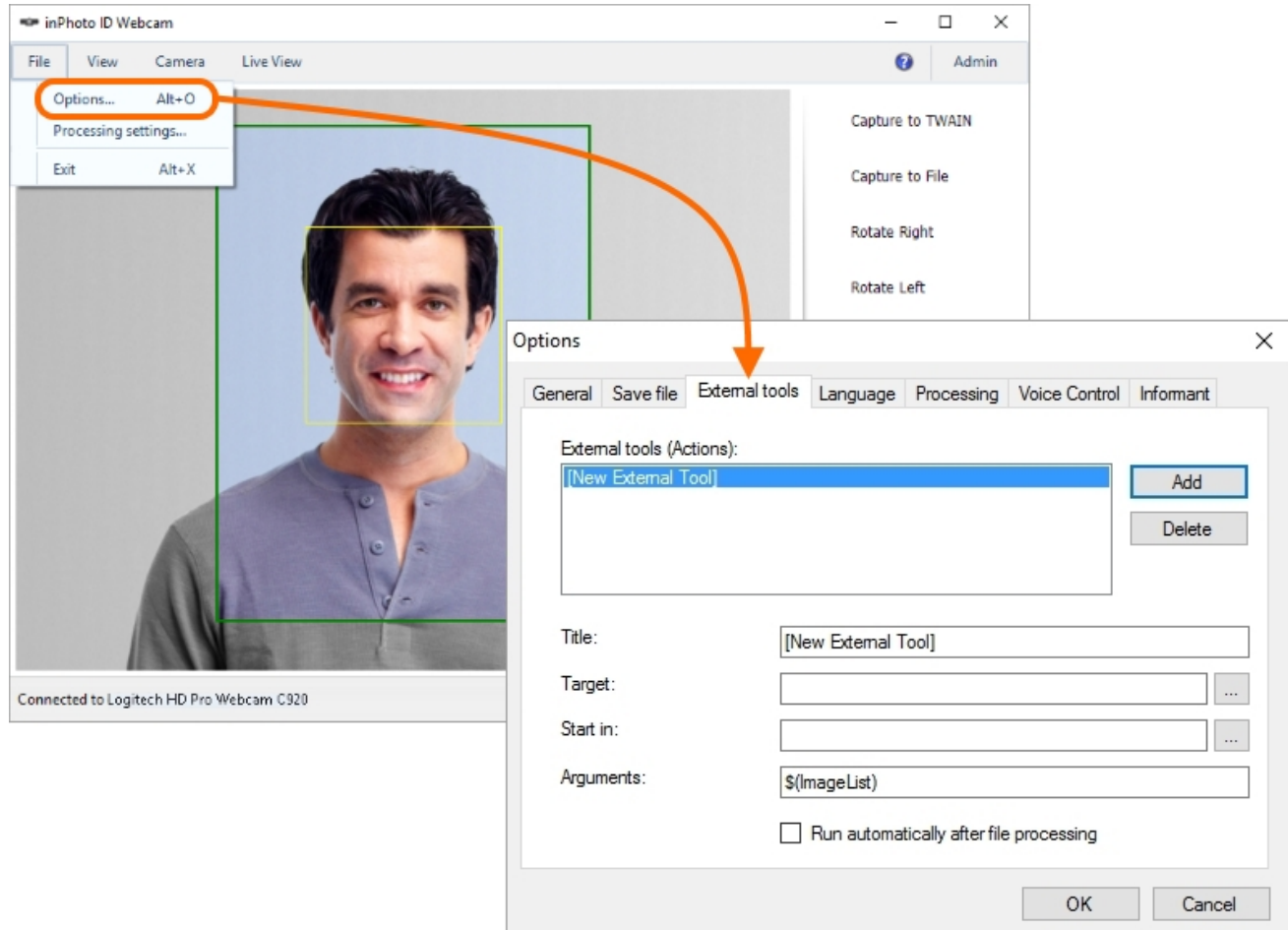


```
{
  host: "smtp-mail.outlook.com",
  port: 587,
  enableSSL: true,
  timeout: 30000,
  username: "send_id_photo@outlook.com",
  password: "inphoto2016",
  from: "send_id_photo@outlook.com",
  to: "get_id_photo@gmail.com",
  subject: "Your ID Photo",
  body: "We are happy to deliver your photos."
}
```

## Connection of SmtpSend to inPhoto ID Webcam

Start inPhoto ID Webcam.

Enter the menu **File > Options > the External tools** tab.



Press the **Add** button. After that, the form fields will become active.



*Please remember that the fields for connection of external tools are described in the beginning of this chapter, the [Connection](#) section.*

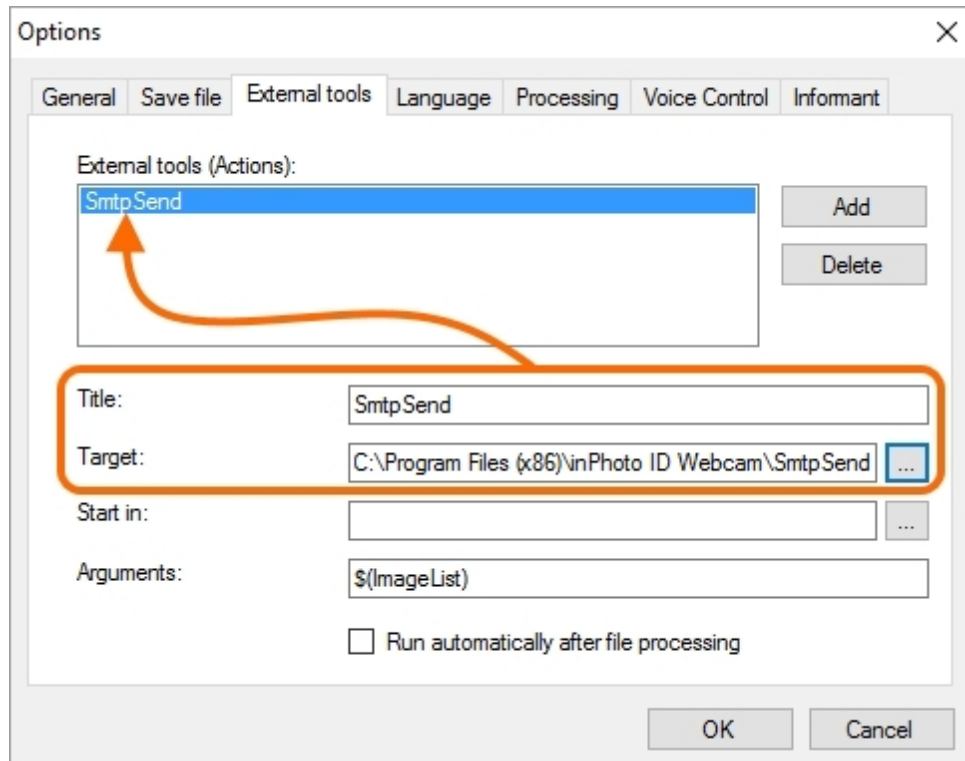
The screenshot shows the 'Options' dialog box with the 'External tools' tab selected. The 'Add' button is highlighted with an orange rectangle. The dialog box contains the following elements:

- Options** (Title bar)
- General** | **Save file** | **External tools** | **Language** | **Processing** | **Voice Control** | **Informant** (Tabs)
- External tools (Actions):**
  - List box containing: [New External Tool]
  - Add** button (highlighted with an orange rectangle)
  - Delete** button
- Title:** [New External Tool]
- Target:** [ ] ...
- Start in:** [ ] ...
- Arguments:** [\$(ImageList)]
- ☐ Run automatically after file processing
- OK** | **Cancel** (Buttons)

In the **Title** field, you can enter any name that is convenient for you to designate the tool being connected.

In the **Target** field, please enter the path to the executive file **SmtpSend.exe**.

After completing the **Title** and **Target** fields, **SmtpSend** will appear in the **External tools (Actions):** list.



The **Start in** field is to be left empty.

In the **Arguments** field, please enter the following arguments for the command string.

**/config** - path to the configuration file. By default, it contains the path to the file **default.conf** located in the same folder as **SmtplibSend.exe**. If the path to your configuration file is the same as the one by default, you may not indicate this parameter in the arguments string.

If the path to your configuration file is not the same as the one by default, please indicate it as shown in the example.

Example: `/config="D:\Mail Configs\Passport Photos.conf"`

**/attach** - path to one file or group of the files to be attached to the letter.

If you wish to attach a file with processed image to the letter, it's most practical to use the **\$(ImageList)** variable. This variable is located by default in the **Arguments** field; after processing, the full name of the image file will be appointed to it.

Example: `/attach=$(ImageList)`

You may also appoint the path to one file or group of the files directly to the **/attach** parameter.

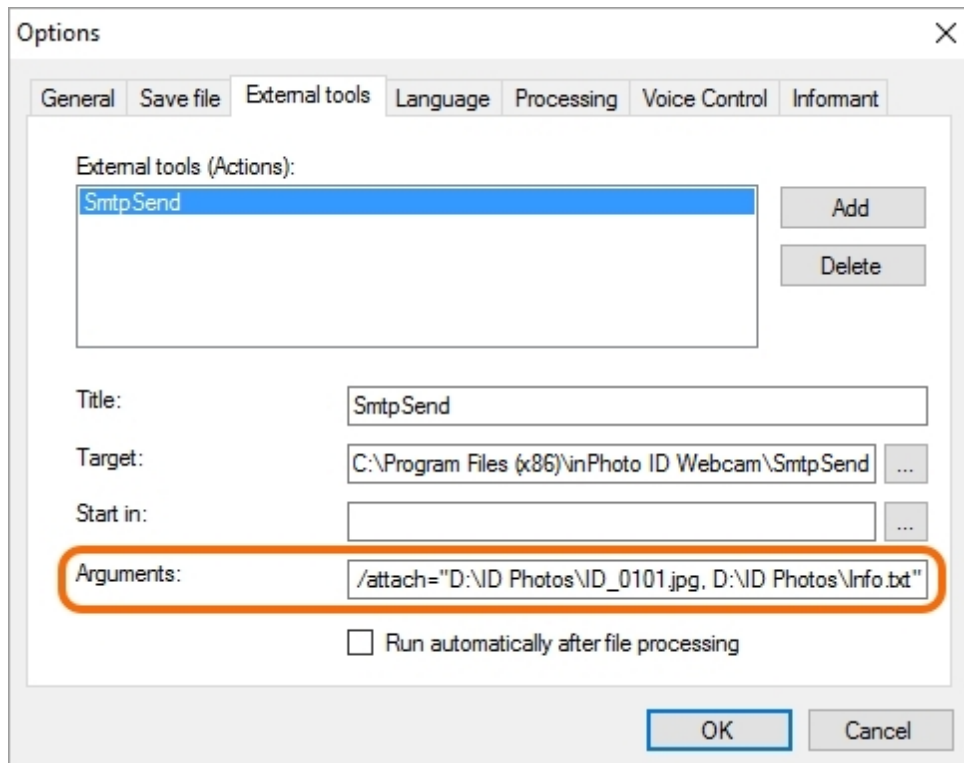
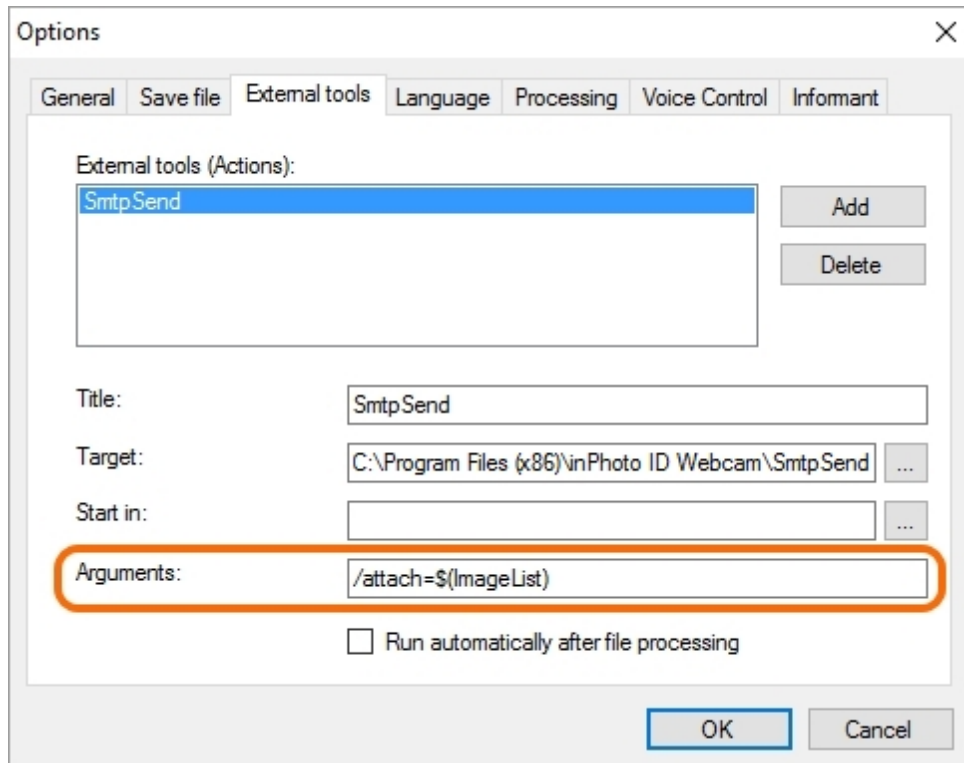
Example: `/attach="D:\ID Photos\ID_0101.jpg, D:\ID Photos\Info.txt"`

An example of the argument string with a by default value for **/config** and with use of the **\$(ImageList)** variable for **/attach**:

`/attach=$(ImageList)`

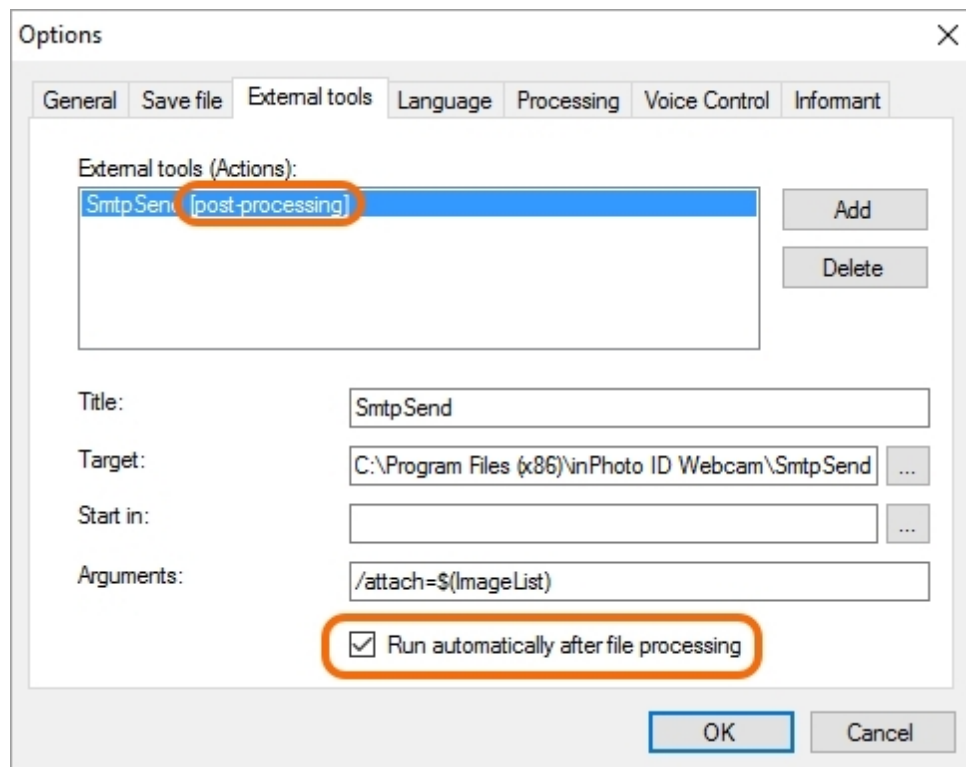
An example of the argument string with indication of the configuration file and group of files to be attached.

`/config="D:\Mail Configs\Passport Photos.conf" /attach="D:\ID  
Photos\ID_0101.jpg, D:\ID Photos\Info.txt"`



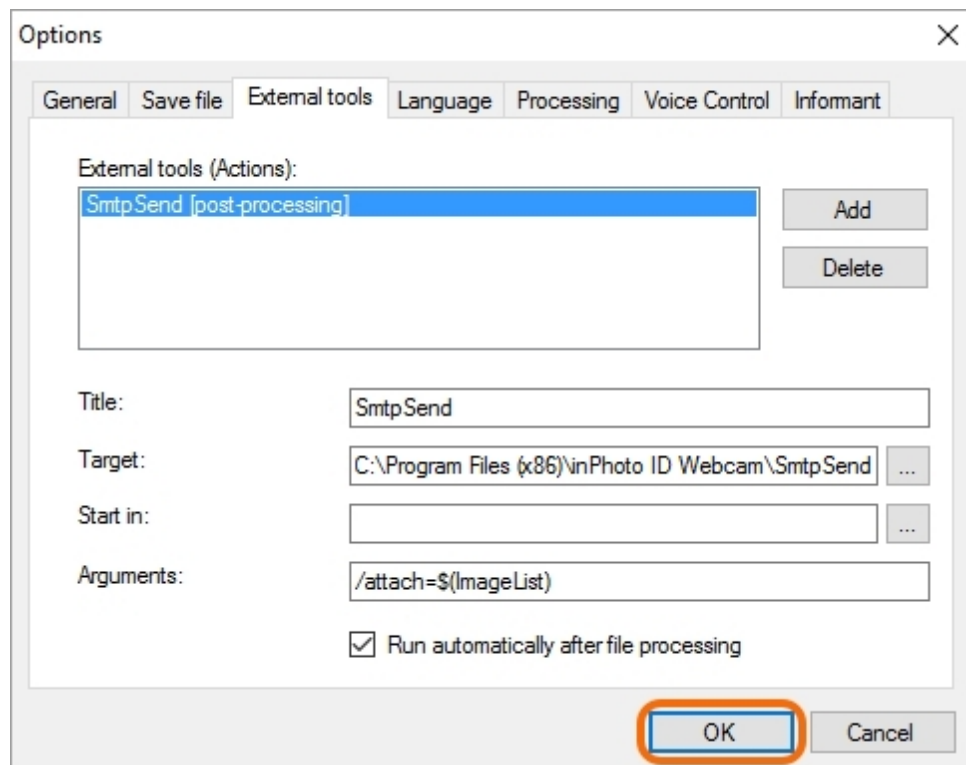
Please activate the **Run automatically after file processing** setting. After that, you will see near the **SmtpSend** name the text **[post-processing]**, that means the tool will be run automatically after processing.

Please pay attention to that if the **Run automatically after file processing** setting is disabled, the tool will not be run.





Then press the **OK** button to save the connecting settings.

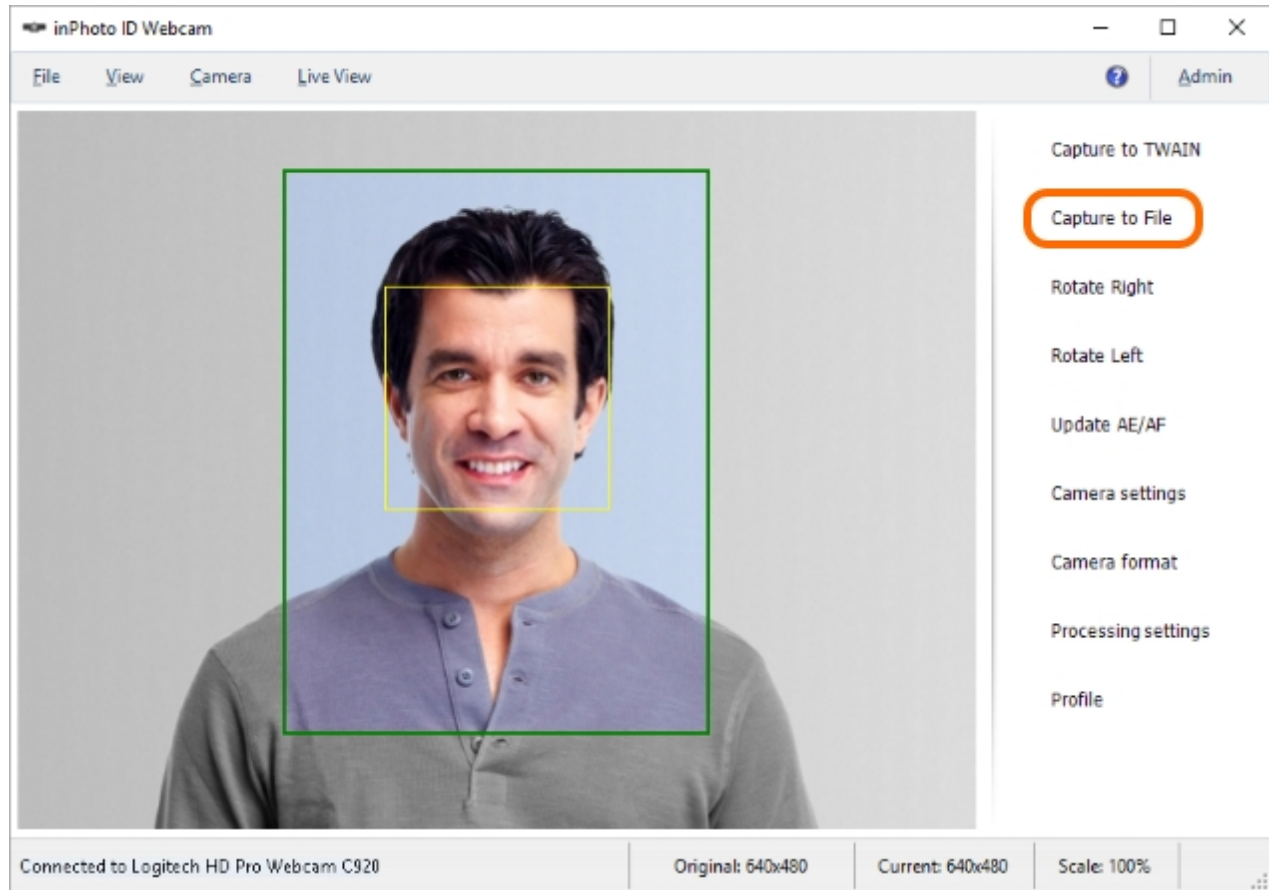


Done! The tool is connected.

## Processing with Automatic Email Sending

After completing all the additional actions, let's run processing and check how does **Smtplib** work.

Run shooting and processing any way you wish, for example, via **Capture to File**.



Further behaviour of **inPhoto ID Webcam** 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 **ID Image Processing** dialogue will be always called up for photo being processed.

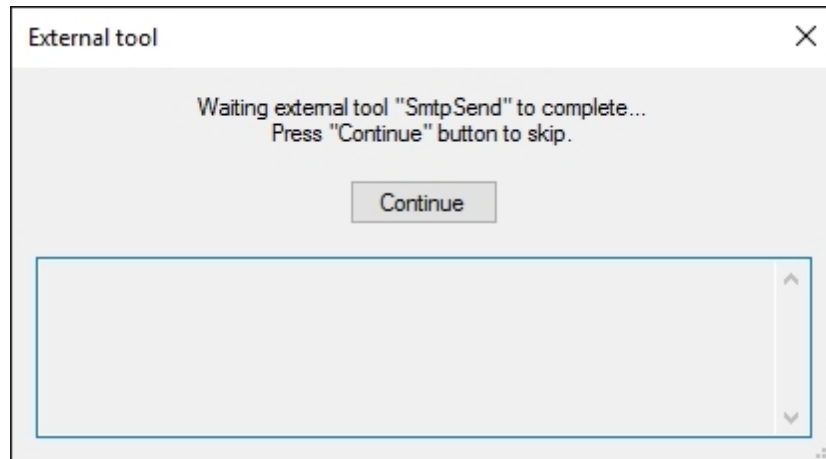
Upon the **Show if necessary** value set, the dialogue will be called up only for photos whose processing requires a user's participation.

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

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

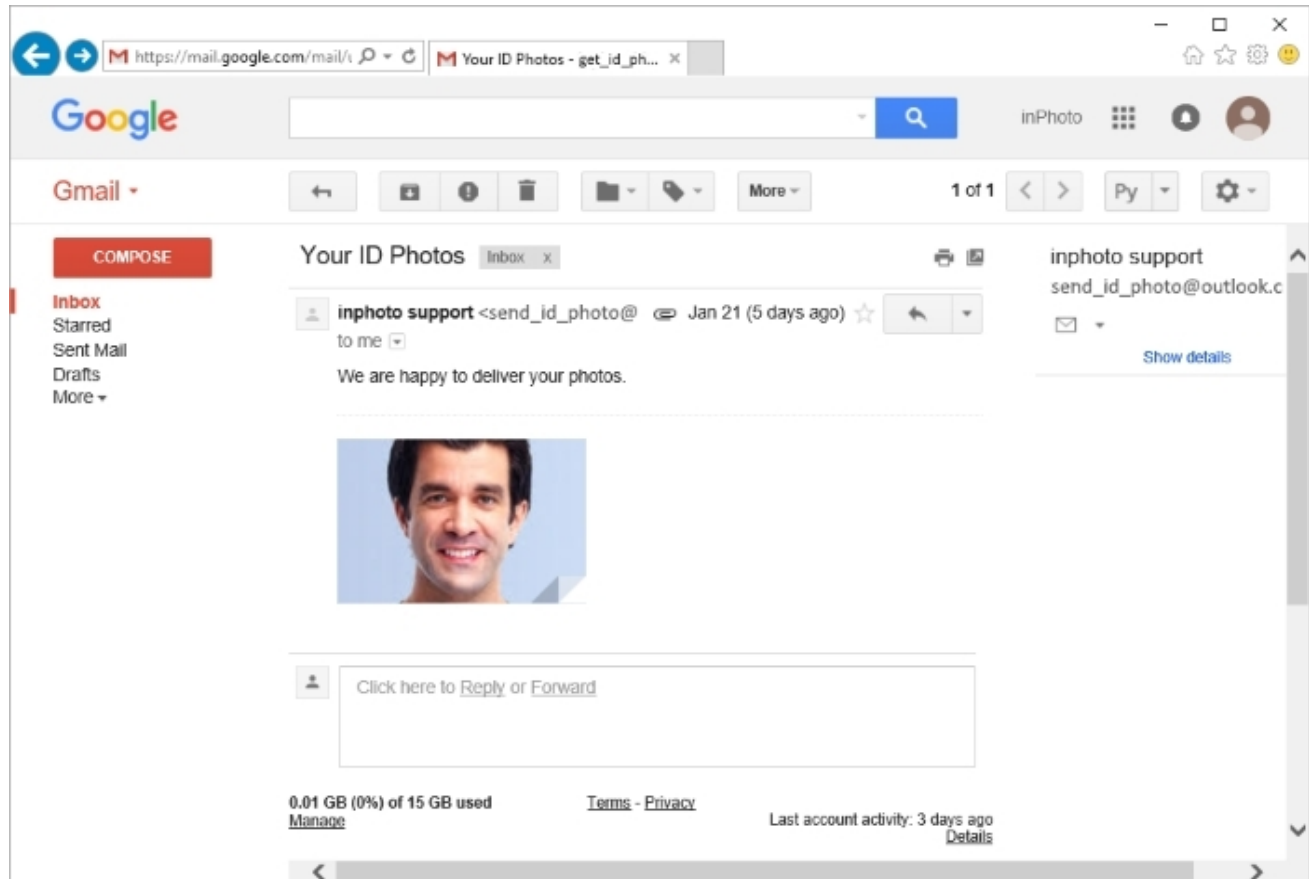


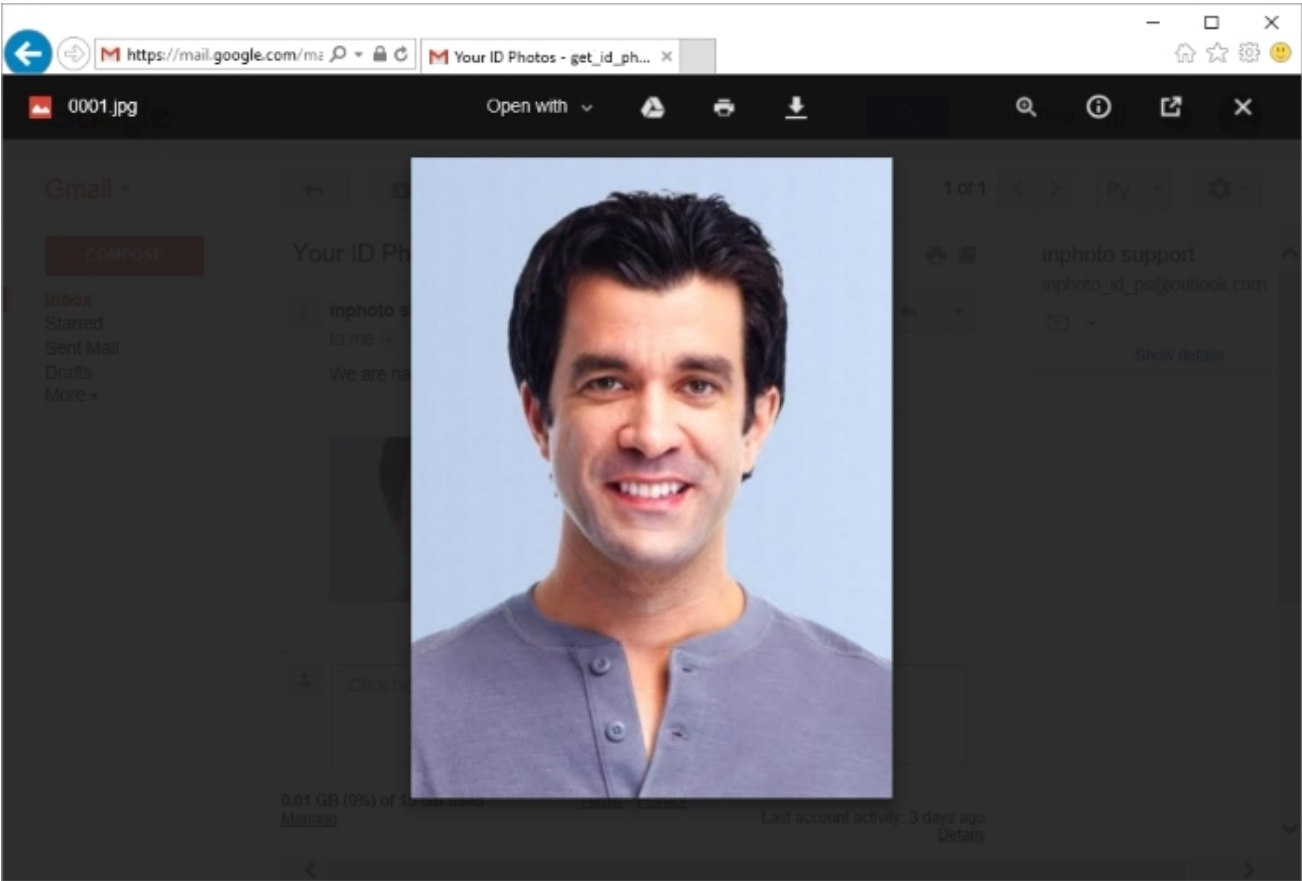
After the image has been processed, **inPhoto ID Webcam** will run **SmtpSend**. While an external tool is working, **inPhoto ID Webcam** displays the work completing waiting window for the external tool. The tool window for **SmtpSend** will also be open. The both windows will close after completing the work, i.e. in this case, will send an email.



Let's check our incoming mail box after closure of the window.

So, in the picture below, we can see that the email has been delivered and contains an attachment with the processed image. The sender's address, subject and content of the email are the same as we enter into the configuration file.





## Addition

If your postal service does not allow automatic sending of emails, so, when you run **Smtplib**, you will see an error in the waiting window; in this case, the email will not be sent.

If such error occurs, you must allow automatic actions in the postal service before using **Smtplib**.



By the moment of creature of this manual, you must confirm your account to allow automatic email transferring in **outlook.com**. *For this purpose, in your account, enter the menu **Settings** -> **Options** -> **Email forwarding** -> **Verify your account** and pass the account validation procedure.*



## Example with the Paint.net graphic editor

The connection **inPhoto ID Webcam** with graphics editor is useful when you need to additionally edit photos after processing.

In this example, we are going to connect **Paint.net** to **inPhoto ID Webcam**, then we will make and process an image, then **inPhoto ID Webcam** will automatically run **Paint.net**, that will open the image received from **inPhoto ID Webcam**.

Contents of the section:

[Connection of Paint.net to inPhoto ID Webcam](#)

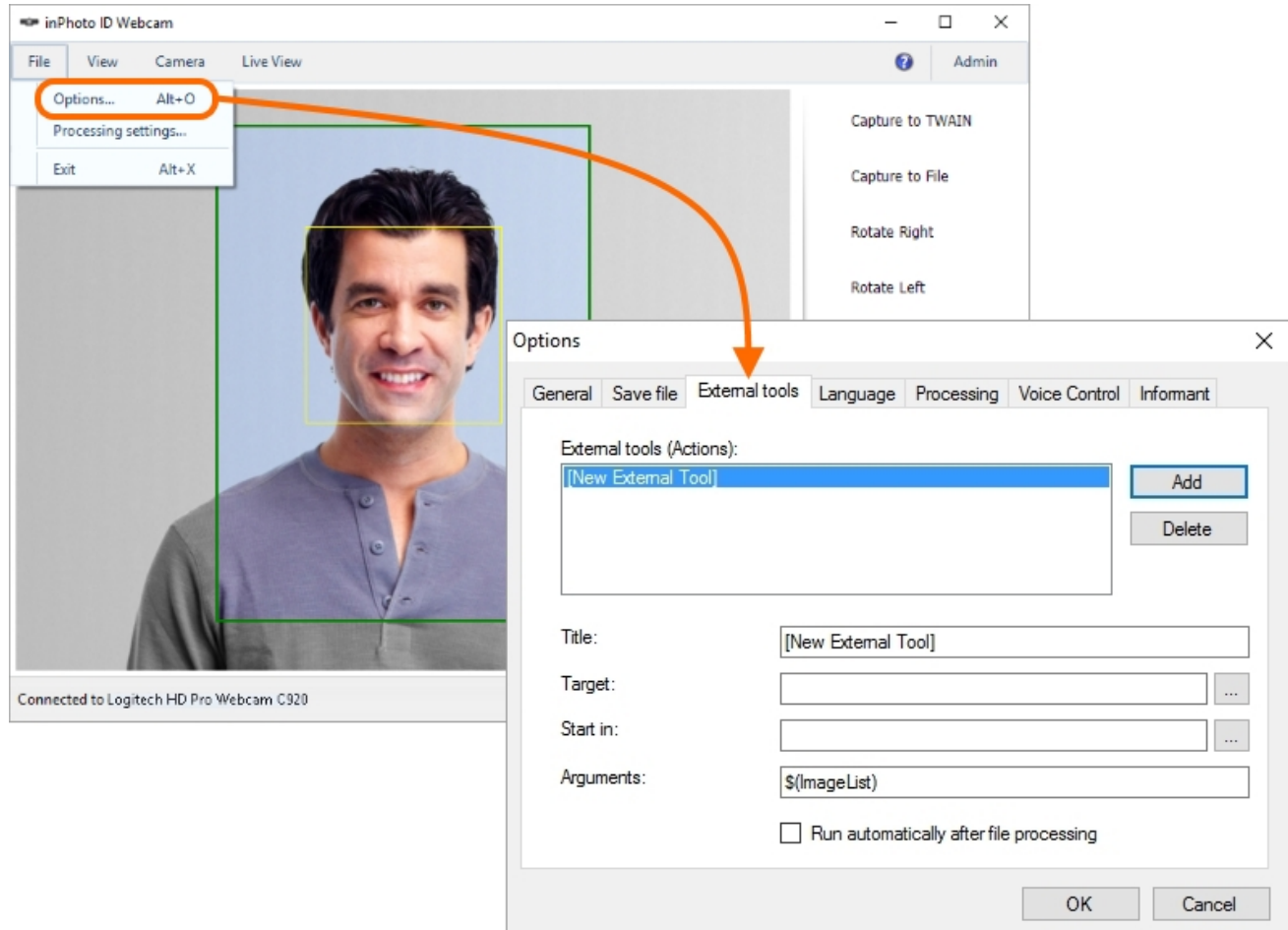
[Passing an Image to Paint.net](#)



## Connection of Paint.net to inPhoto ID Webcam

Start inPhoto ID Webcam.

Enter the menu **File > Options > the External tools** tab.



Press the **Add** button. After that, the form fields will become active.



*Please remember that the fields for connection of external tools are described in the beginning of this chapter, the [Connection](#) section.*

The screenshot shows the 'Options' dialog box with the 'External tools' tab selected. The 'External tools (Actions):' list contains '[New External Tool]'. The 'Add' button is highlighted with an orange circle. Below the list, there are fields for 'Title', 'Target', 'Start in', and 'Arguments', each with a corresponding button to the right. The 'Run automatically after file processing' checkbox is unchecked. The 'OK' and 'Cancel' buttons are at the bottom right.

Tab	Title	Target	Start in	Arguments	Run automatically after file processing
General					
Save file					
External tools	[New External Tool]			\$(ImageList)	<input type="checkbox"/>
Language					
Processing					
Voice Control					
Informant					

In the **Title** field, you can enter any convenient designation for the action that is performed by the tool.

In the **Target** field, please enter the path to the executive file **PaintDotNet.exe**.



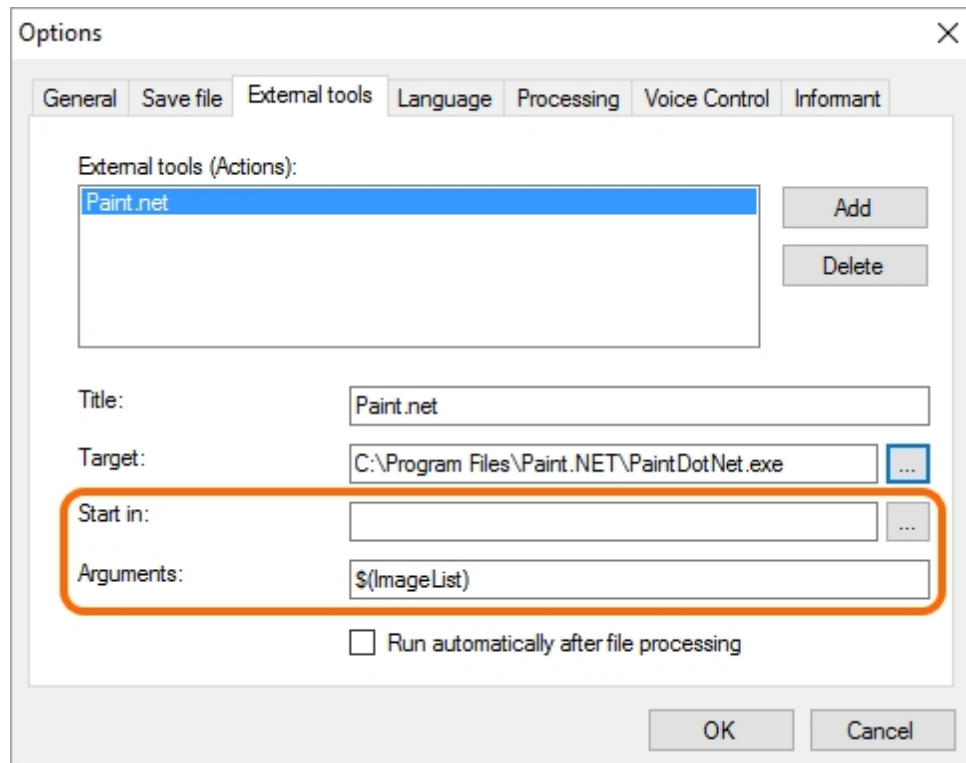
*Your path to **PaintDotNet.exe** may differ from the one shown in the example.*

After completing the **Title** and **Target** fields, **Paint.net** will appear in the **External tools (Actions)** list.

The screenshot shows the 'Options' dialog box with the 'External tools' tab selected. The 'External tools (Actions):' list contains one entry, 'Paint.net', which is highlighted. To the right of the list are 'Add' and 'Delete' buttons. Below the list, the 'Title' field is set to 'Paint.net'. The 'Target' field is set to 'C:\Program Files\Paint.NET\PaintDotNet.exe' and has a browse button (...). The 'Start in' field is empty and has a browse button (...). The 'Arguments' field is set to '\$(ImageList)'. At the bottom, there is an unchecked checkbox labeled 'Run automatically after file processing'. The 'OK' and 'Cancel' buttons are at the bottom right.

You have no need of auxiliary files to pass processed files to **Paint.net**, this is why it is not mandatory to fill in the **Start in** field.

The **Arguments** field is also to be left unchanged. By default, this field contains the **ImageList** variable that will be appointed, after processing, with the full name of the processed file.

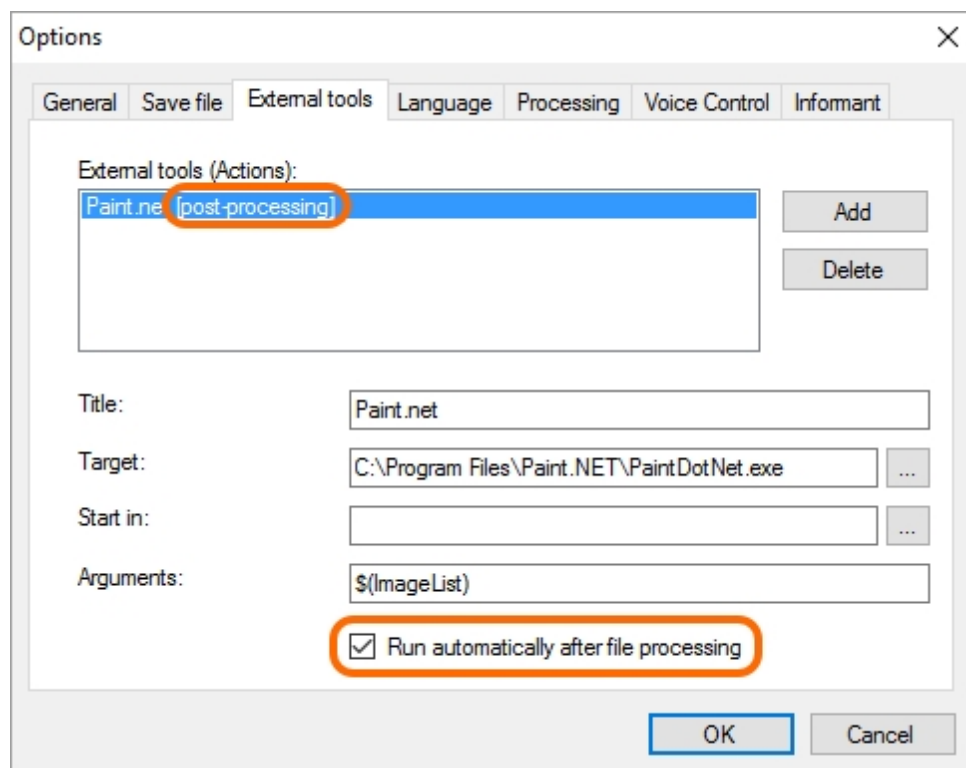


Then activate the **Run automatically after processing** setting. After that, you will see near the **Paint.net** name the text **[post-processing]**, that means the tool will be run automatically after processing.

Please note that if this setting is deactivated, **Paint.net** will not be started.



*The **Run automatically after processing** setting may be made at once only for one tool. For example, if the setting is already made for one tool, it will be automatically disabled when you activate it for another one.*



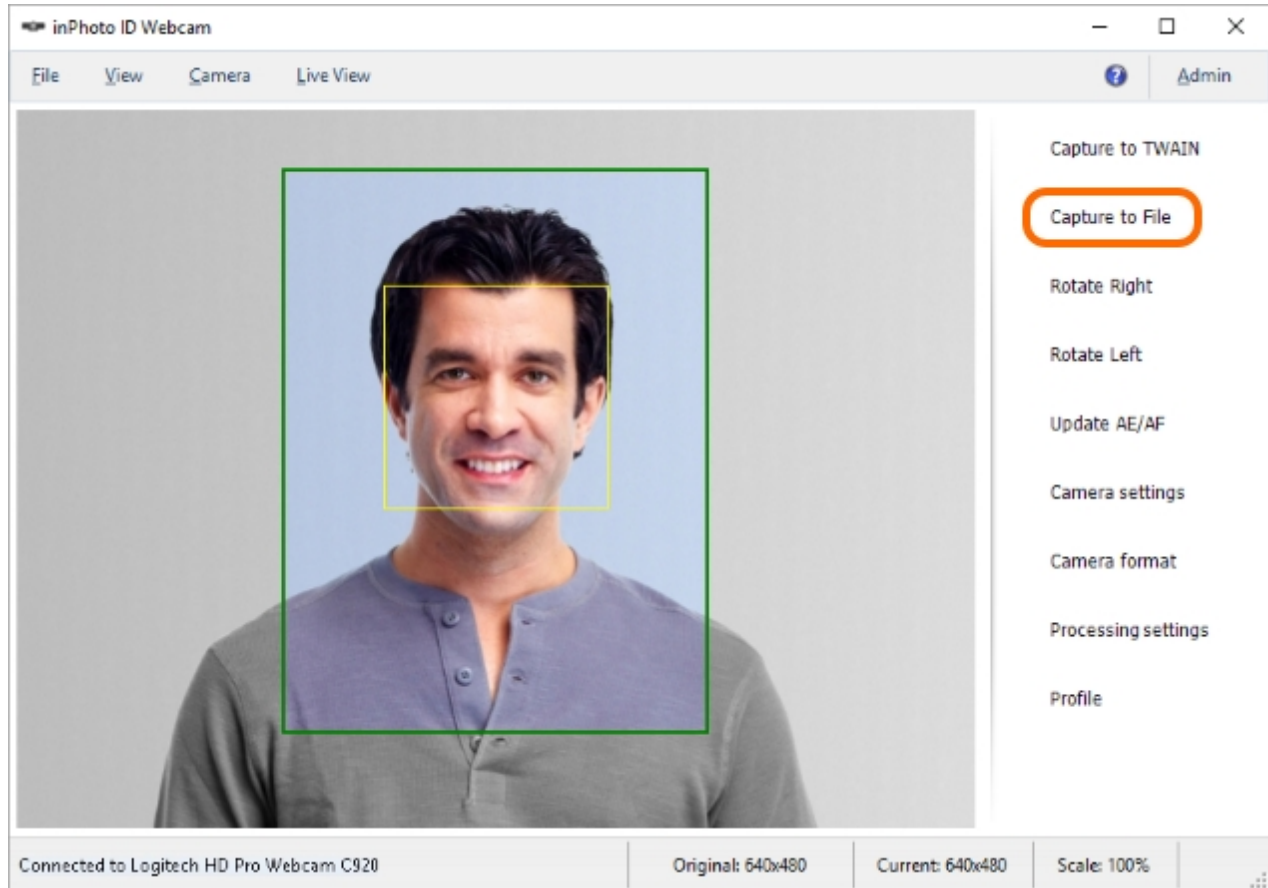
To save connection settings made, press the **OK** button.

Done! **Paint.net** is connected to **inPhoto ID Webcam**.

## Passing an Image to Paint.net

In the previous part, we have connected **Paint.net**, now let us see how it works.

Run image shooting and processing any way you wish, for example, via **Capture to File**.



Further behaviour of **inPhoto ID Webcam** 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 **ID Image Processing** dialogue will be always called up for photo being processed.

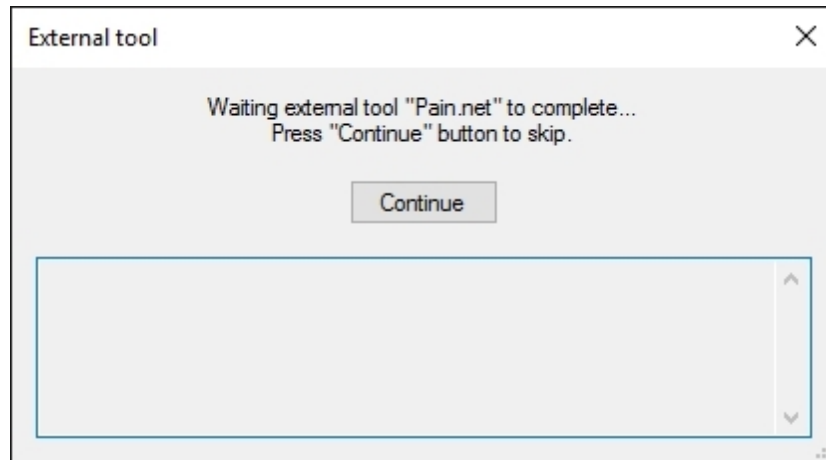
Upon the **Show if necessary** value set, the dialogue will be called up only for photos whose processing requires a user's participation.

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

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

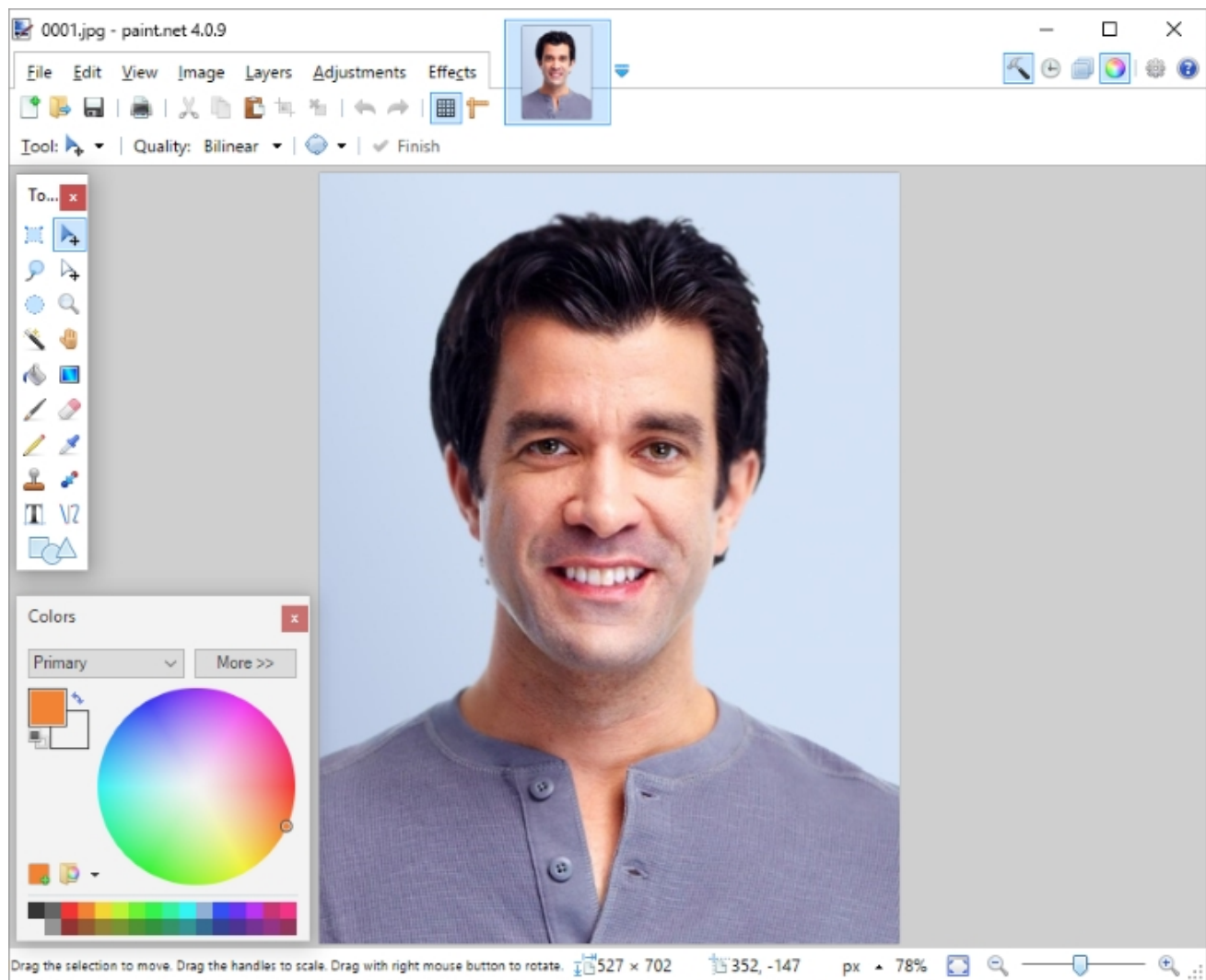


After the image has been processed, **inPhoto ID Webcam** will run **Paint.net**. In addition, when an external tool is being started, **inPhoto ID Webcam** displays the work completing waiting window for the external tool. The waiting window will close automatically after the external tool finishes interacting with **inPhoto ID Webcam**. In this case, that means after the path to the image file is passed to **Paint.net**.





As the result of the external tool work, we have got a processed image that is open in a graphic editor without any additional actions from our part.



Then, we may continue editing the image in **Paint.net**. After completion of the editing, we will press in **Paint.net** the **Save** button and the photo with all the modifications made in the editor will be placed into the folder we have indicated for saving images in **inPhoto ID Webcam**.

## Example with RenameFileByXL

**RenameFileByXL** is a tool that renames a processed image file on the ground of the data from the xls file.

**RenameFileByXL** is developed to help photographers in their work in education entities for children and young people.

The work with the tool is performed as follows:

**Stage 1.** The photographer is provided with an xls file containing a table with information on the students: names, group numbers, phone numbers... The table must contain an ID for every person to be photographed, it will further become the name of the file.

**Stage 2.** The photographer uses **inPhoto ID Webcam** to make and process an image. After that, **RenameFileByXL** will automatically run. Then, the photographer asks every photographed student his/her name and enter it in the search field of **RenameFileByXL**. The tool uses the name to find the student ID and appoints it to the image.

**Stage 3.** The photographer gets an archive of numbered photos where he can quickly find, when entering the respective name, all the required information on the photographed student.

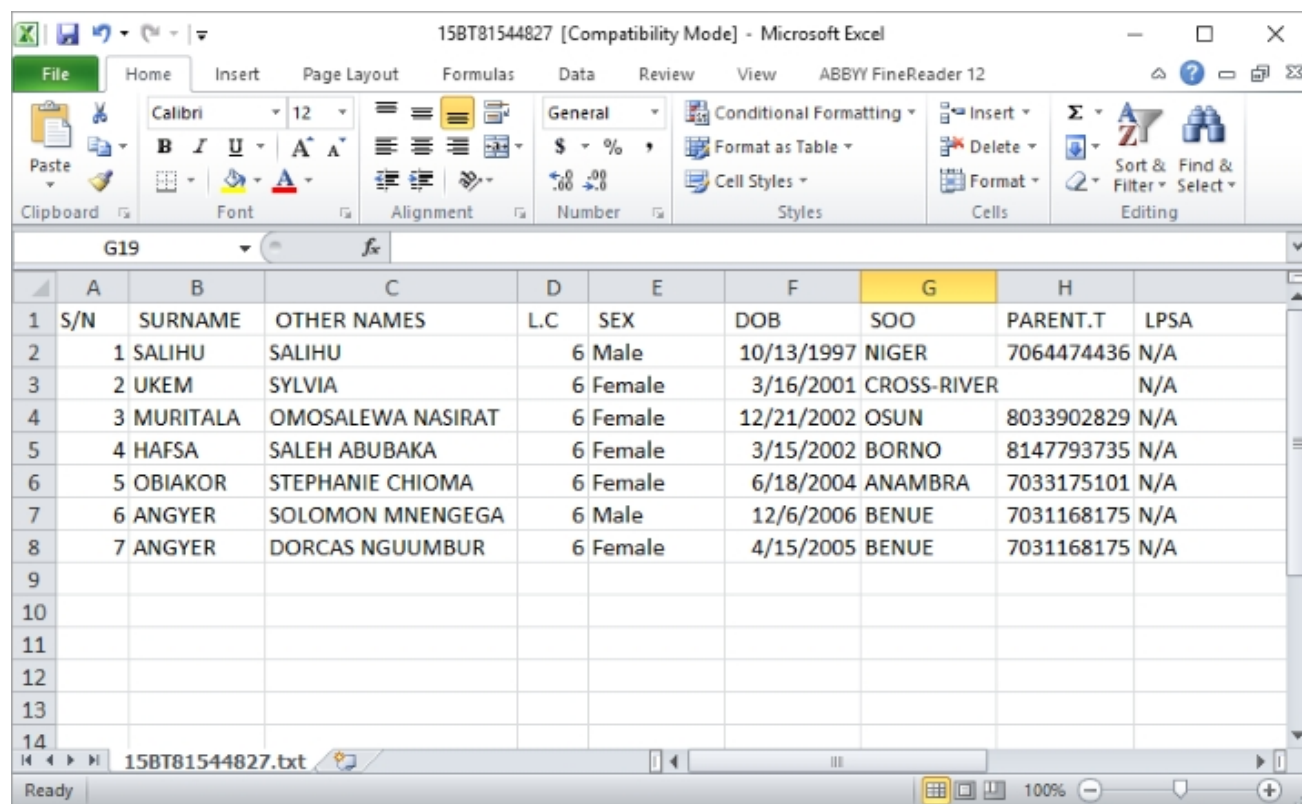


***RenameFileByXL** is a product of the **IDPhotoCapture** Company. You may contact our support service to get additional information on the tool and terms and conditions of its obtaining and use. Please see the [Contact Technical Support Service](#) section for the support service contact details.*

In the example here below, we are going to connect **RenameFileByXL** to **inPhoto ID Webcam**, then we will make and process an image, then **RenameFileByXL** will be automatically run and we will select, using the manual search, a cell in the xls file the value of which will become the image file name.

Our xls file contains a table with records about students. To rename the image file, we will choose values from the first column **S/N** - a student's number. The search will be performed using a student's second name - the **SURNAME** column.

The table in the xls file looks like this:



15BT81544827 [Compatibility Mode] - Microsoft Excel

	A	B	C	D	E	F	G	H	
1	S/N	SURNAME	OTHER NAMES	L.C	SEX	DOB	SOO	PARENT.T	LPSA
2	1	SALIHU	SALIHU	6	Male	10/13/1997	NIGER	7064474436	N/A
3	2	UKEM	SYLVIA	6	Female	3/16/2001	CROSS-RIVER		N/A
4	3	MURITALA	OMOSALEWA NASIRAT	6	Female	12/21/2002	OSUN	8033902829	N/A
5	4	HAFSA	SALEH ABUBAKA	6	Female	3/15/2002	BORNO	8147793735	N/A
6	5	OBIAKOR	STEPHANIE CHIOMA	6	Female	6/18/2004	ANAMBRA	7033175101	N/A
7	6	ANGYER	SOLOMON MNENGEA	6	Male	12/6/2006	BENUE	7031168175	N/A
8	7	ANGYER	DORCAS NGUUMBUR	6	Female	4/15/2005	BENUE	7031168175	N/A
9									
10									
11									
12									
13									
14									

Ready | 15BT81544827.txt | 100%

Contents of the example:

[Connection of RenameFileByXL to inPhoto ID Webcam](#)

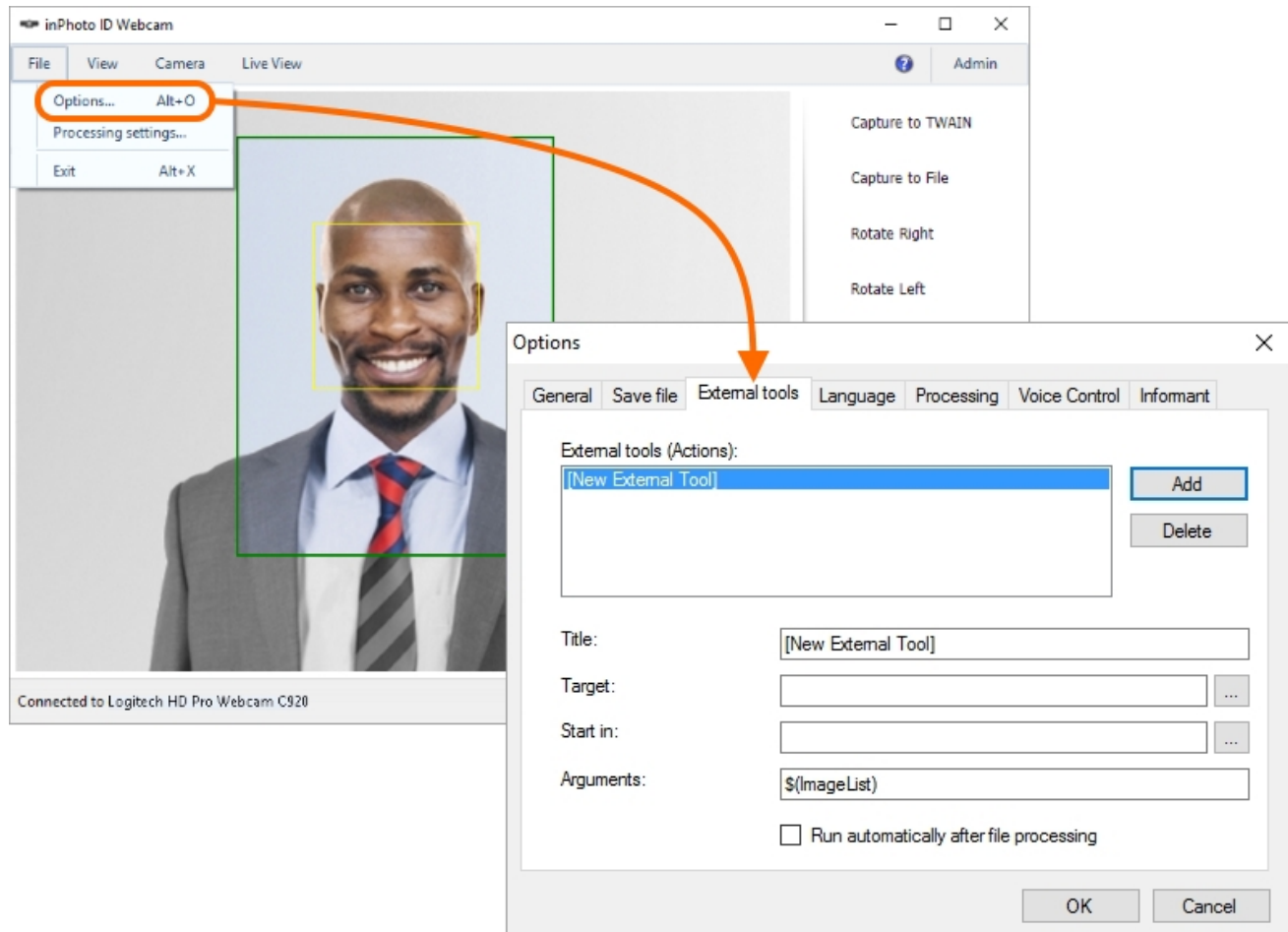
[Shooting, Processing and Saving of Image](#)

[Renaming a File](#)

## Connection of RenameFileByXL to inPhoto ID Webcam

Start inPhoto ID Webcam.

Enter the menu **File > Options > the External tools** tab.



Press the **Add** button. After that, the form fields will become active.



*Please remember that the fields for connection of external tools are described in the beginning of this chapter, the [Connection](#) section.*

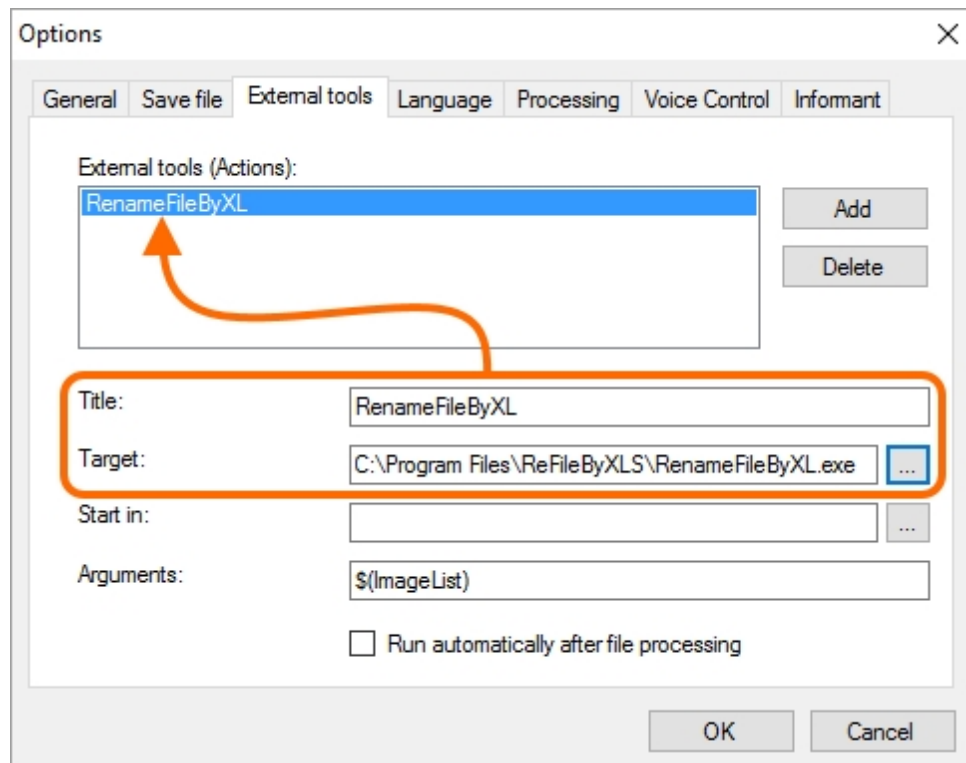
The screenshot shows the 'Options' dialog box with the 'External tools' tab selected. The 'Add' button is highlighted with an orange rectangle. The dialog box contains the following elements:

- Options** (Title bar)
- General** | **Save file** | **External tools** | **Language** | **Processing** | **Voice Control** | **Informant** (Tabs)
- External tools (Actions):**
  - List box containing: [New External Tool]
  - Add** button (highlighted with an orange rectangle)
  - Delete** button
- Title:** [New External Tool]
- Target:** [ ] ...
- Start in:** [ ] ...
- Arguments:** \$(ImageList)
- ☐ Run automatically after file processing
- OK** | **Cancel** (Buttons)

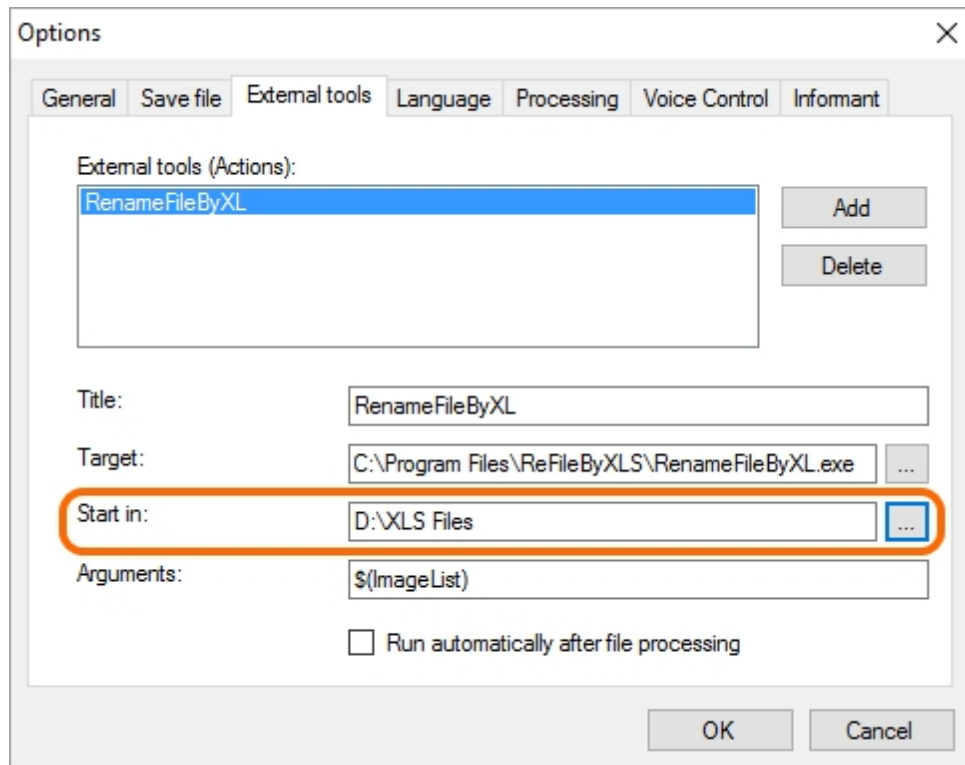
In the **Title** field, you can enter any name that is convenient for you to designate the tool being connected.

In the **Target** field, please enter the path to the executive file **RenameFileByXL.exe**.

After completing the **Title** and **Target** fields, **RenameFileByXL** will appear in the **External tools (Actions):** list.



In the **Start in** field, please indicate the path to the folder containing the **xls** file.



In the **Arguments** field, please enter the following arguments for the command string.

**/excelFile** - path to the xls file. **Mandatory.**

If you have indicated, in the **Start in** field, the path to a folder where **inPhoto ID Webcam** must search for axillary files, there is no need to assign to **/excelFile** the full path to the **xls** file, it is enough to only state the name.

Example: `/excelFile="15BT81544827.xls"`

If the **Start in** field not filled in, you must appoint to the **/excelFile** parameter the full path to the **xls** file.

Example: `/excelFile="C:\Program Files\ReFileXLS\XLS files\15BT81544827.xls"`

**/imageFile** is a path to the image to be renamed. **Mandatory.**

It is the most convenient to use for this parameter the **\$(ImageList)** variable that is placed by default in the **Arguments** field and contains the full name of a processed image.

Example: `/imageFile=$(ImageList)`

You can also assign to the **/imageFile** parameter the full name of an image file via forming the future image name using the saving settings. We will show how to make it at the next step.

Example: `/imageFile="D:\Original\image.jpg"`

**/visibleColumns** are numbers of the columns that will be indicated in the **RenameFileByXL** window and used for searching. The numbers of columns 0, 1, 2, 3... correspond to naming in letters A, B, C, D... in the xls file **Mandatory**.

Example: `/visibleColumns=0,1,2`

**/nameColumn** is a number of the column the values from which will be used as an image name. **Mandatory**.

Example: `/nameColumn=0`

**/hasHeaderRow** gets the value **true** of **false**. The table in the xls file may contain a title. It should be excluded from the search. **true** means the first line of the table is not considered in the search, **false** means it is. By default, the **false** is active.

In our example, the table contains a title that is to be excluded from the search, so we have to set **true** for **/hasHeaderRow**.

Example: `/hasHeaderRow=true`

**/destDir** is a path to the folder where the renamed photos will be stored. If the folder is not indicated, the renamed photos will be stored to the folder with the original photos. **Optionally**.

Example: `/destDir="D:\Result"`

The full argument string will have, in our example, the following appearance:

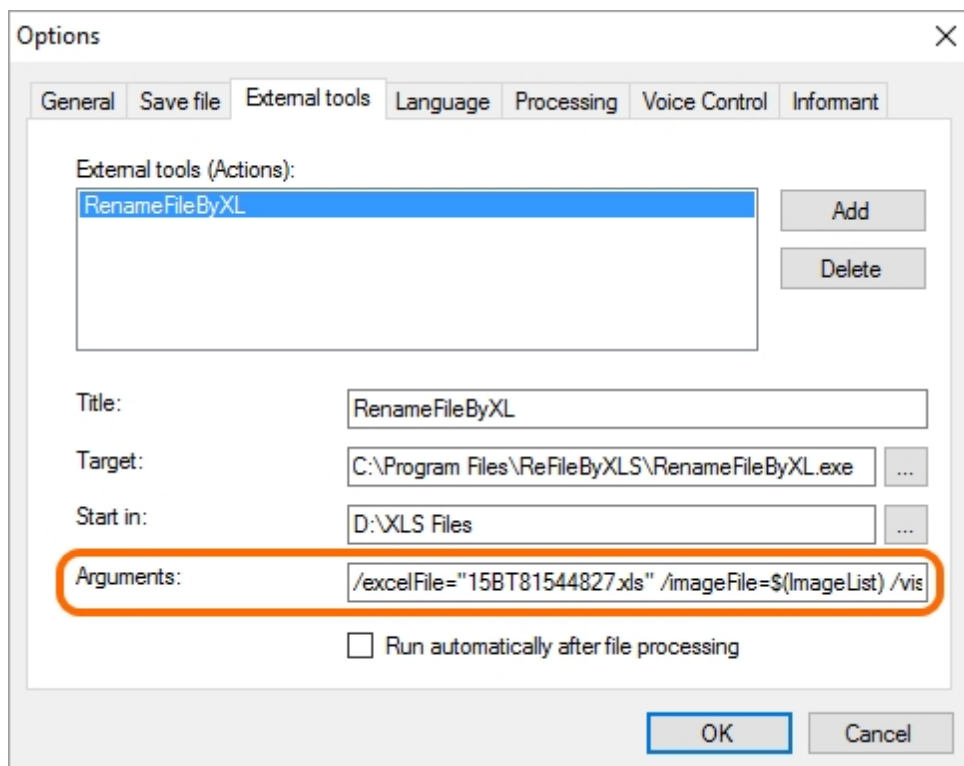


Version 1 with use of the **\$(ImageList)** variable and the **Start in** field:

```
/excelFile="15BT81544827.xls" /imageFile=$(ImageList) /visibleColumns=0,1,2 /nameColumn=0 /hasHeaderRow=true /destDir="D:\Result"
```

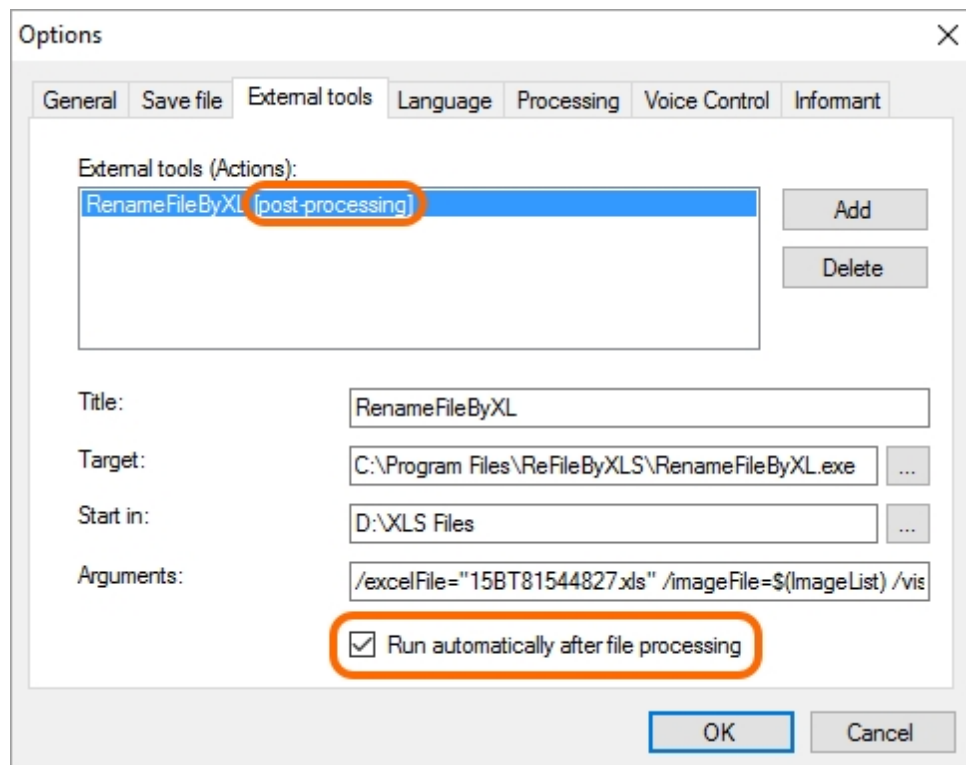
Version 2 with full names of the files:

```
/excelFile="C:\Program Files\ReFileXLS\XLS files\15BT81544827.xls" /imageFile="D:\Original\image.jpg" /visibleColumns=0,1,2 /nameColumn=0 /hasHeaderRow=true /destDir="D:\Result"
```

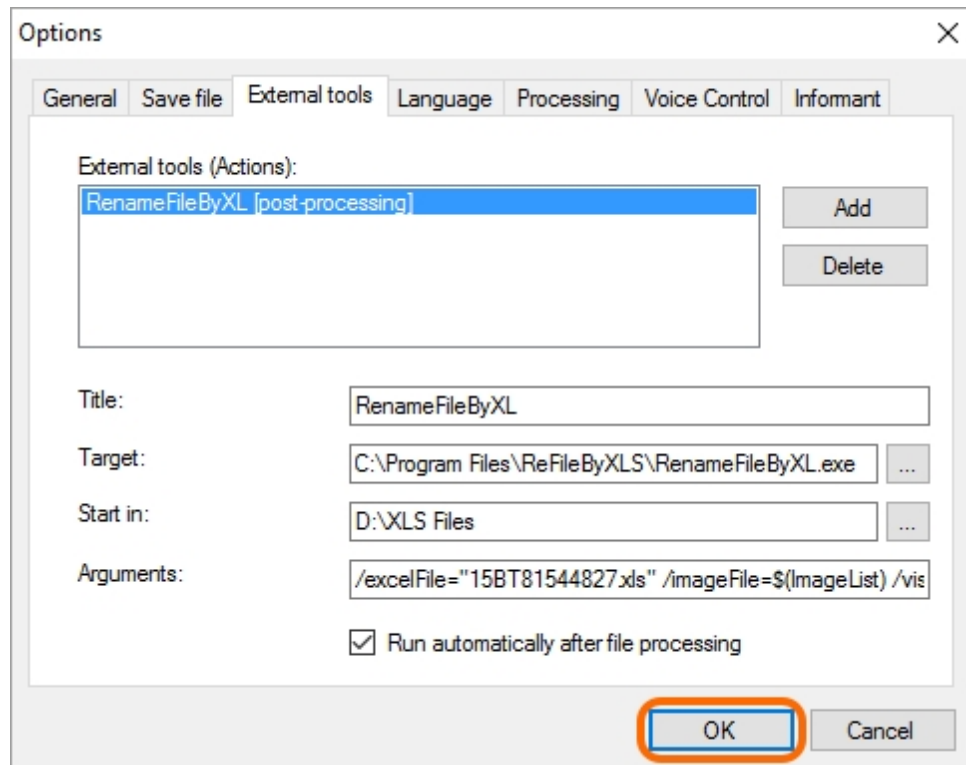


Please activate the **Run automatically after file processing** setting. After that, you will see near the **RenameFileByXL** name the text **[post-processing]**, that means the tool will be run automatically after processing.

Please pay attention to that if the **Run automatically after file processing** setting is disabled, **RenameFileByXL** will not be run.



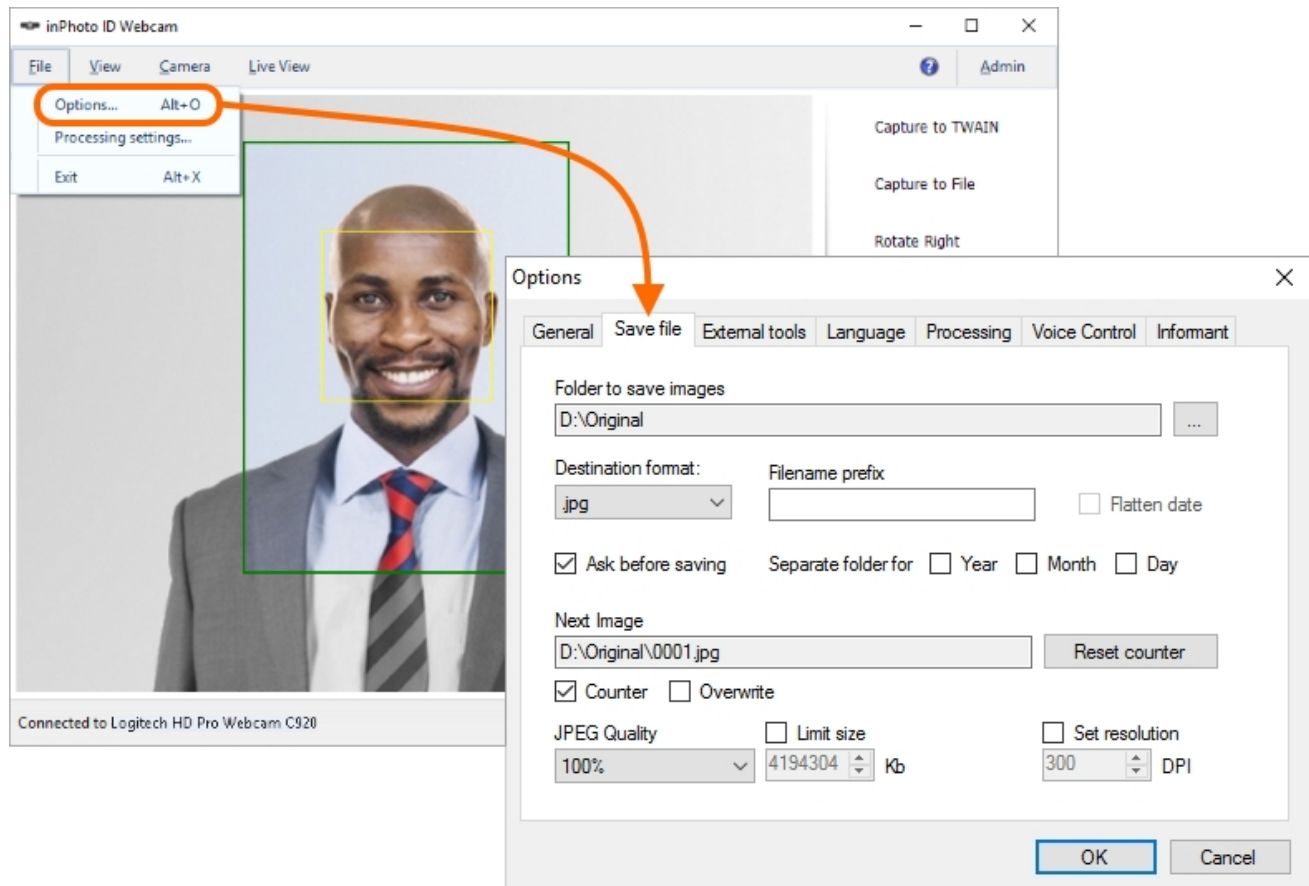
Then press the **OK** button to save the connecting settings.



Done! The tool is connected.

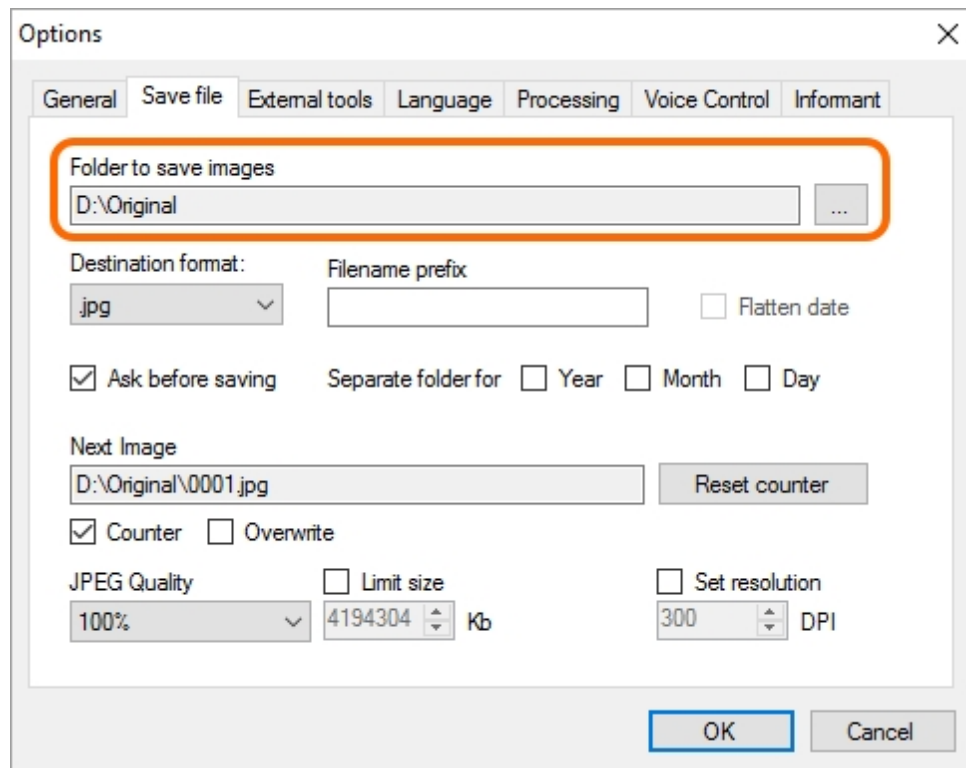
## Shooting, Processing and Saving of Image

Open the **File** menu > **Options** > **Save file**.

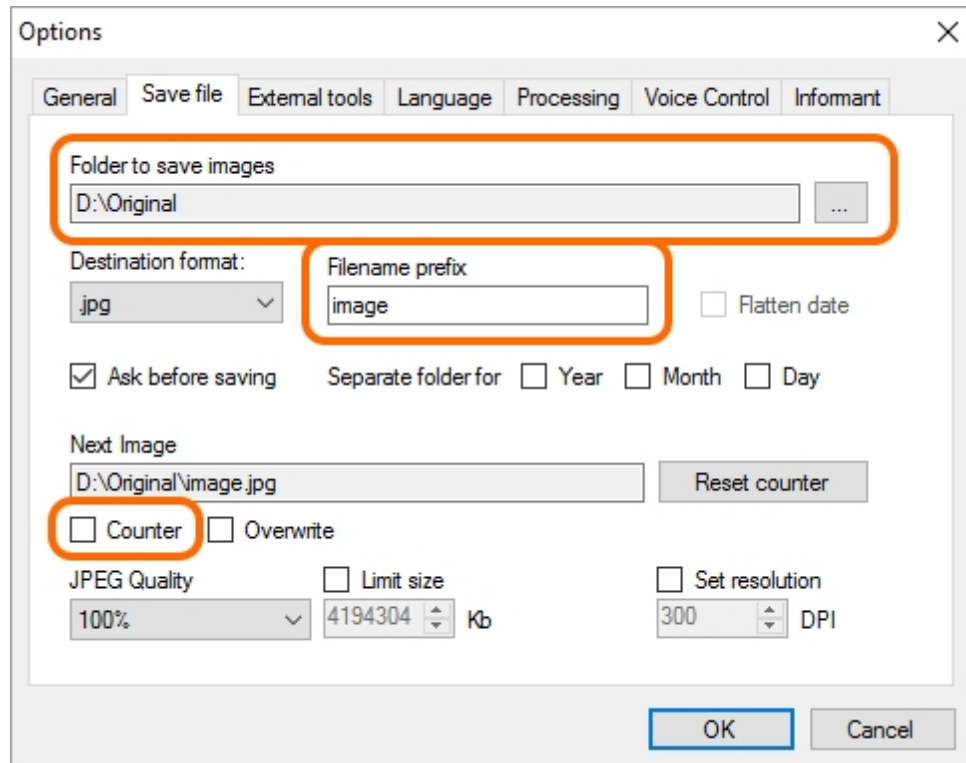


Please indicate the folder where the made and processed image to be stored.

If you have appointed the **\$(ImageList)** variable to the **/imageFile** argument, please leave the other settings unchanged.

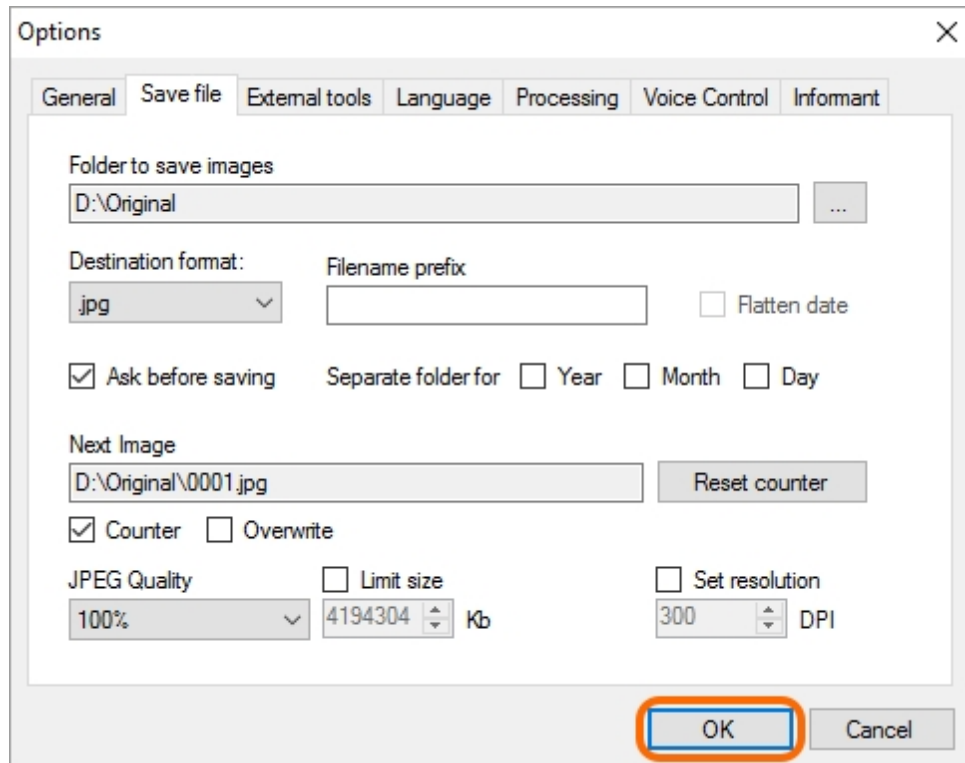


If you have appointed a line with file name to the **/imageFile** argument, you also have to enter the image prefix and deactivate the counter. The image prefix is to be the same as the file name assigned to **/imageFile**. The path to the folder for saving images must also be the same as the path to the folder indicated in the **/imageFile** parameter.

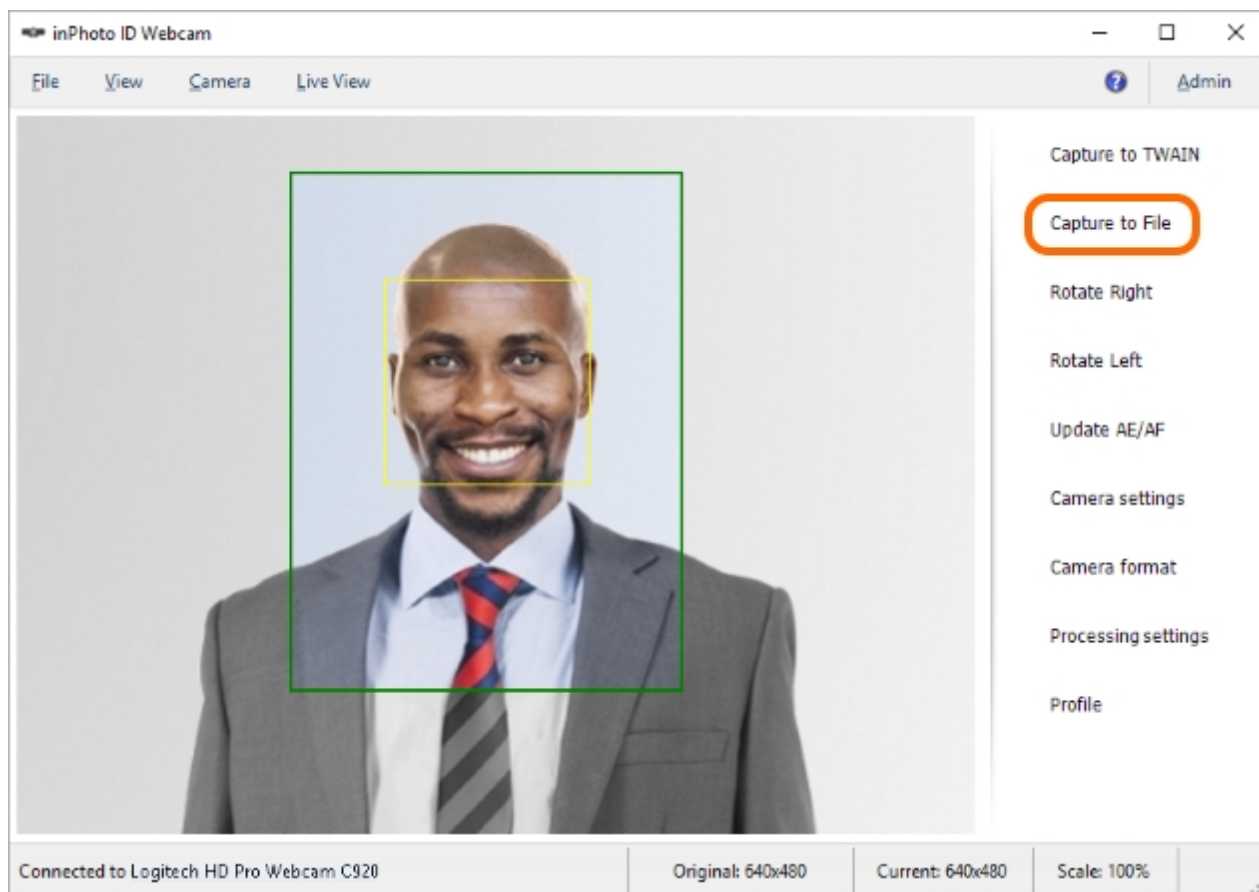


The saving settings are described in details in the [Image Saving](#) section.

Press **OK**.



Make a shot. For this purpose, press the **Capture to File** button. The processing settings are described in details in the [Processing Settings](#) and [Processing](#) chapters.

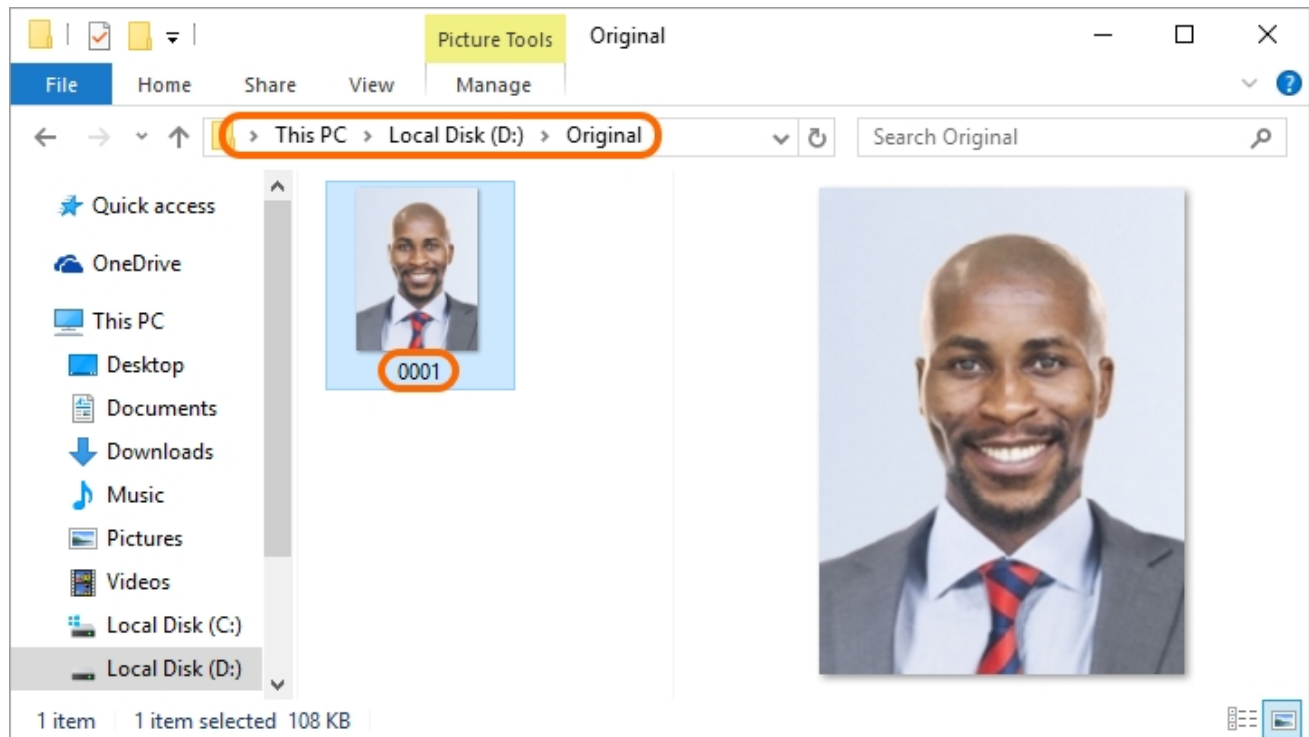




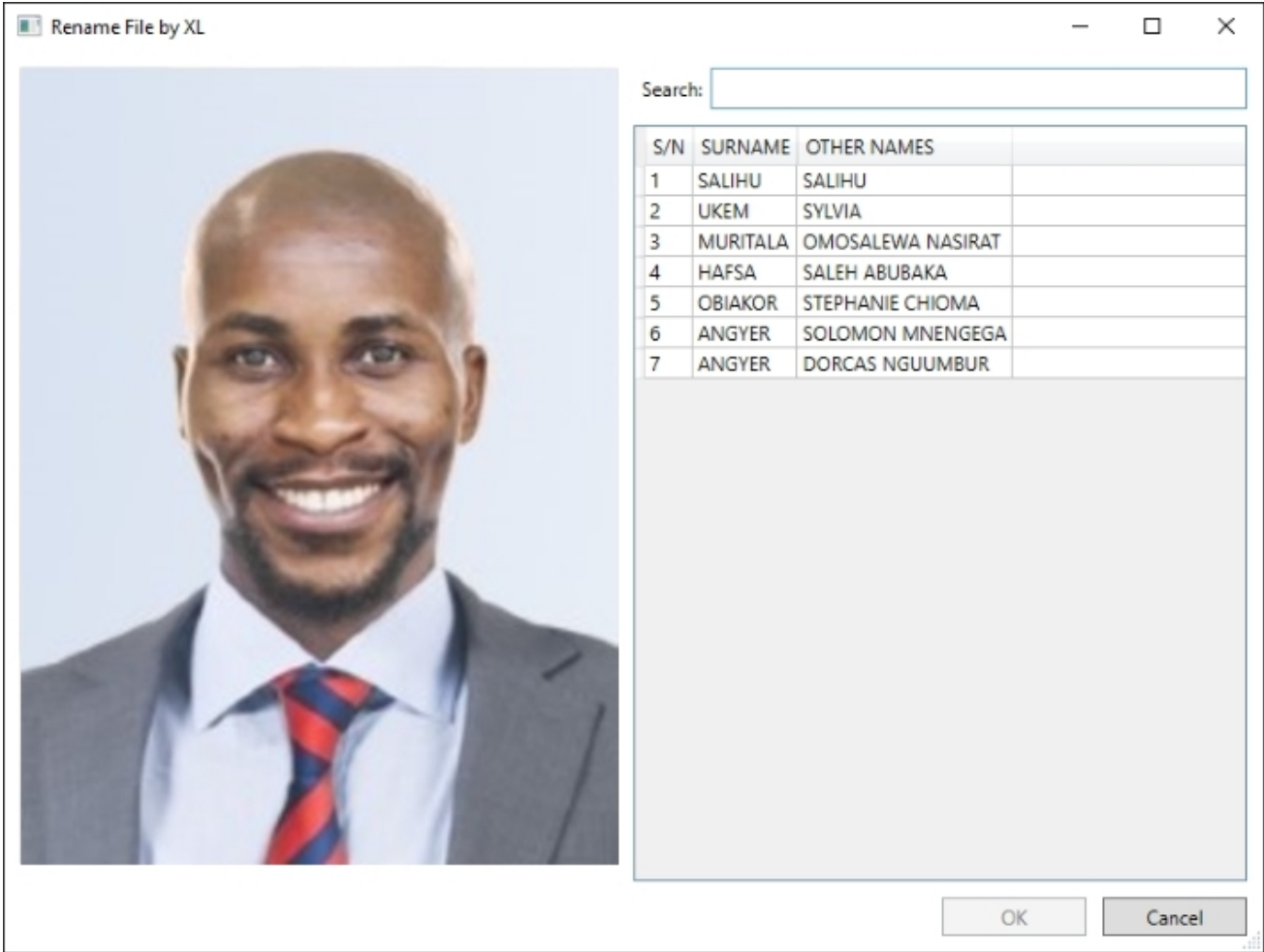
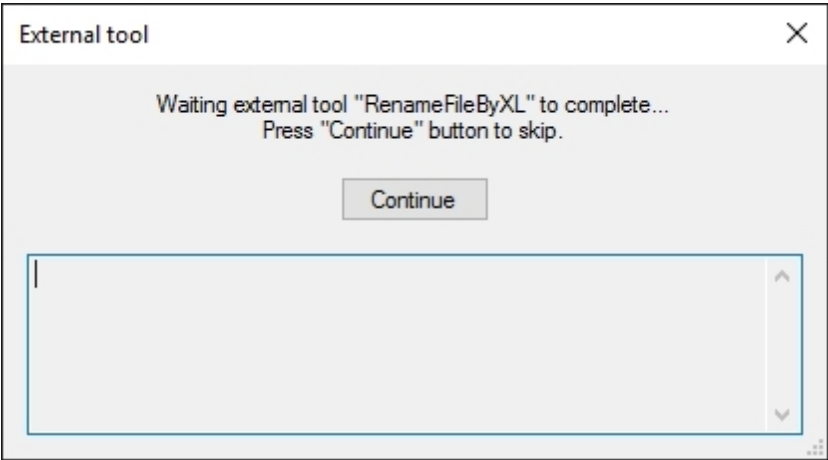
After pressing **Capture to File**, the image will be made, processed and stored into the indicated folder.

If the **\$(ImageList)** variable has been assigned to the **/imageFile** argument, the file name will be formed from the number of the counter. In our example, it is **001**.

If a line with image name has been assigned to the **/imageFile** argument, the file name will be formed from the stated prefix.

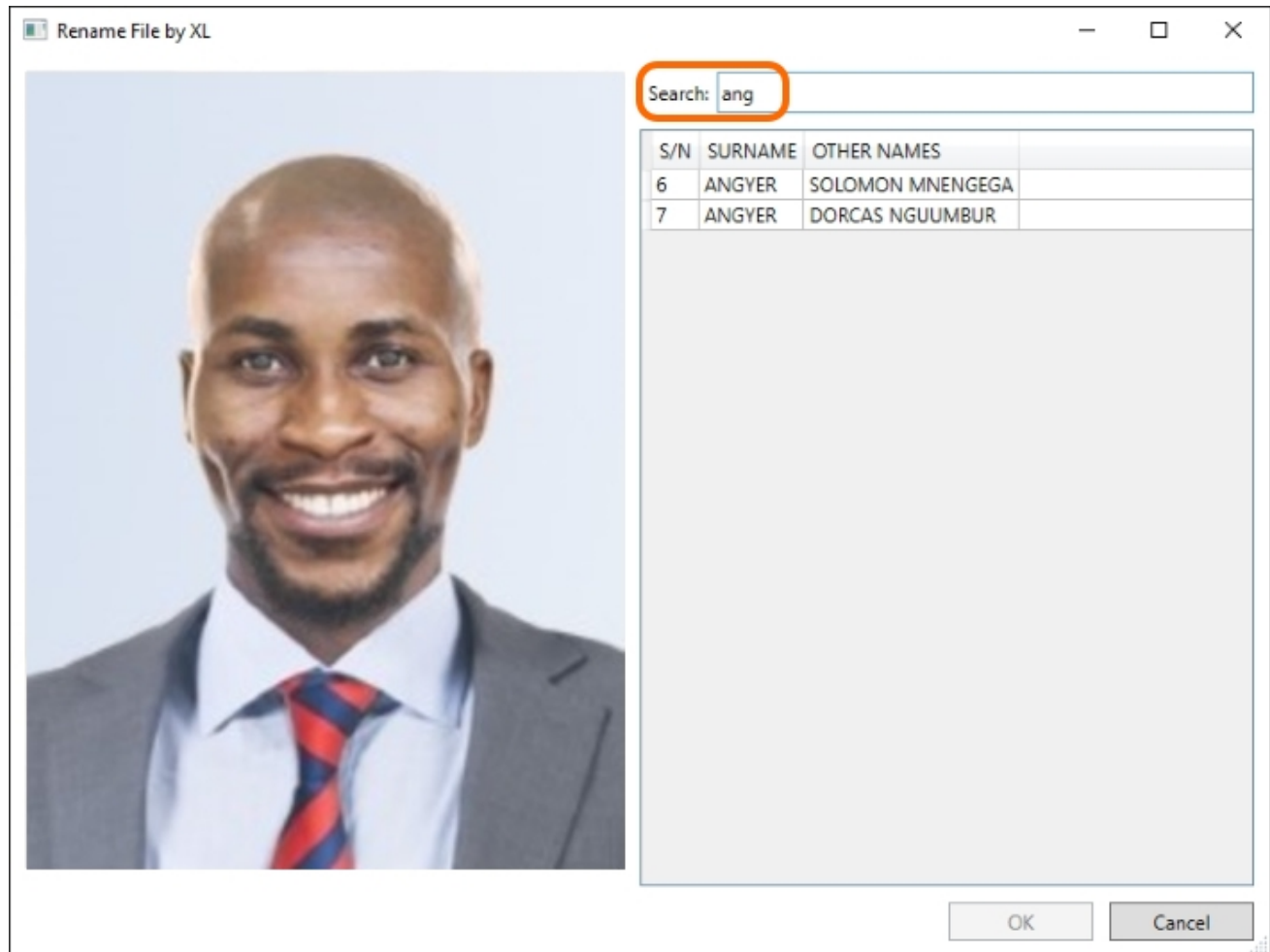


The **RenameFileByXL** tool will be run automatically in 1 or 2 seconds.



## Renaming a File

When you are opening **RenameFileByXL**, the **Search** field is automatically gaining the focus. Please start to enter in this field the second name of the student whose record you need to find.



**Rename File by XL**

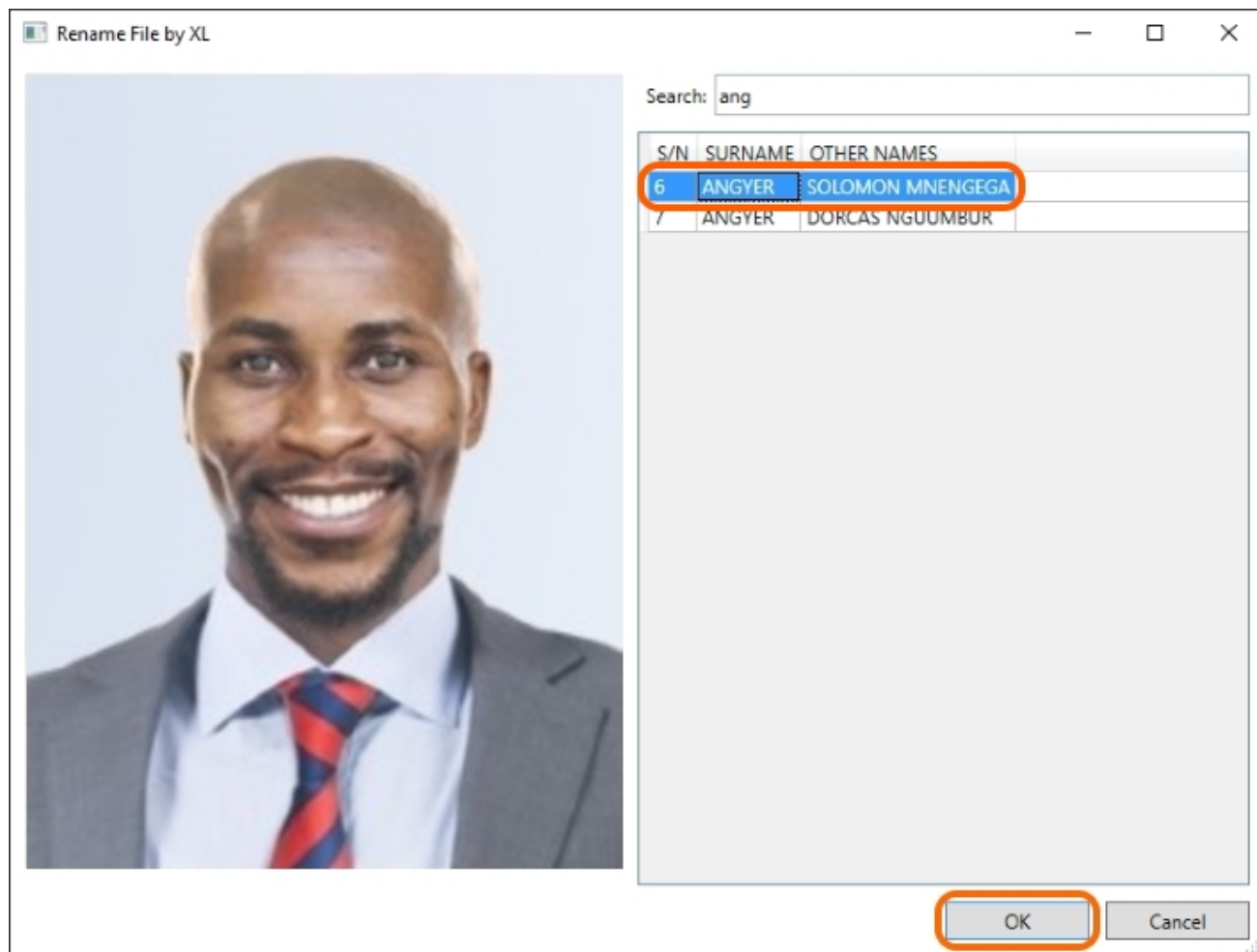
Search:

S/N	SURNAME	OTHER NAMES
6	ANGYER	SOLOMON MNENGEA
7	ANGYER	DORCAS NGUUMBUR

OK Cancel

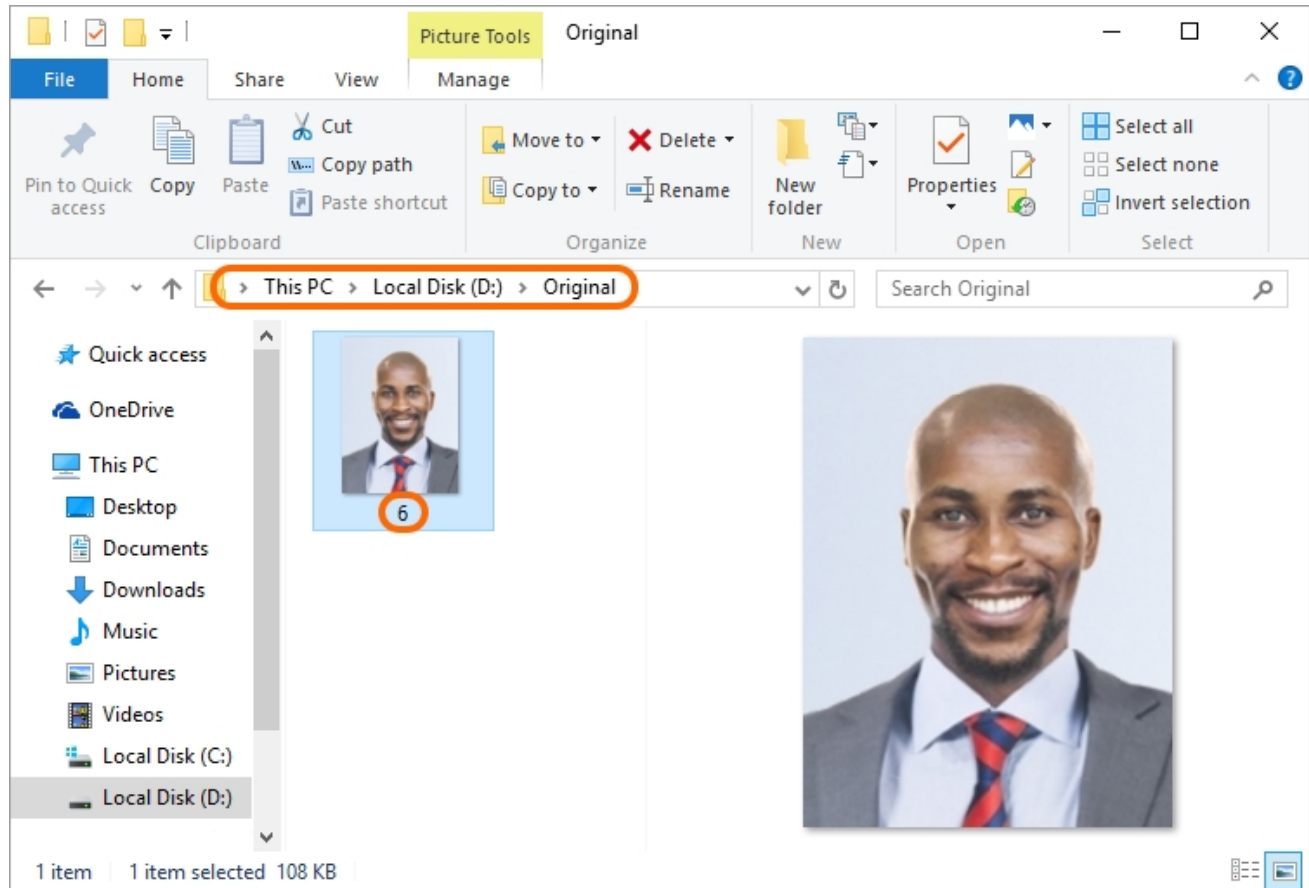
If the table contains only one record corresponding to the inquiry, just press **OK** and the photo file will be renamed.

If the table has several lines indicated, highlight the necessary one manually. After that, the **OK** button becomes accessible. Press it and the photo file will be renamed.



Open the folder indicated for storing renamed files and check the result of renaming.

In our example, the number **6** corresponds to the second name **ANGYER**. As you can see on the image below, the file name has changed from **001** to **6**.



# Chapter 9. Profiles

You can save the application settings in the profile to apply them in the future. Suppose we need to regularly make photos for two different tasks. E.g., to use them on badges and in questionnaires. Camera setting, 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, you can change application settings simply switching over the profile.

The commands 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** where you can:
  - 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

In the **Profile** side menu you can:

- 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 on the **Profile** button if the settings have been modified.

The contents of the chapter are as follows:

[Profile Creation and Setting](#)

[Profile Manager](#)

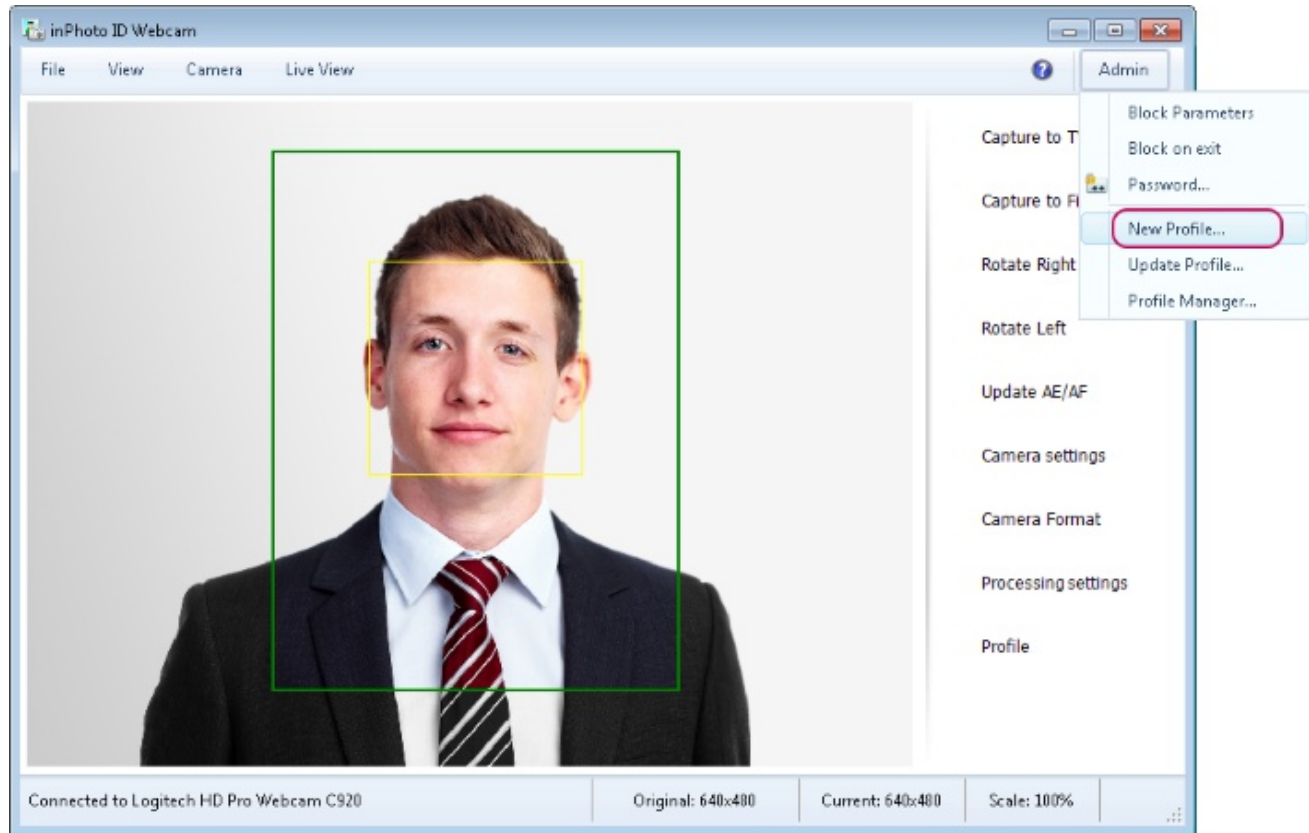
[Profile Updating](#)

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

# Profile Creation and Setting

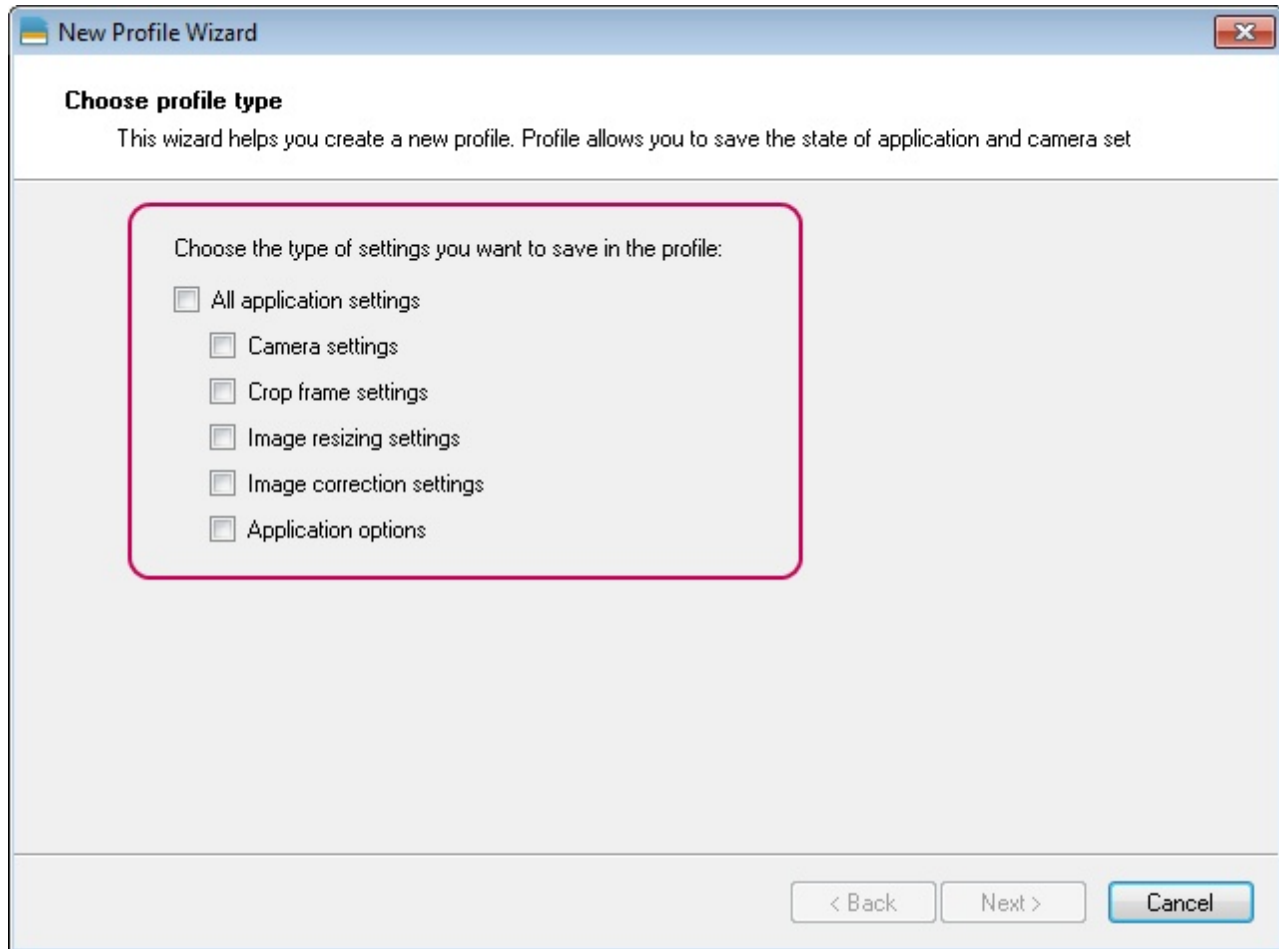
To create a profile, do the following:

1. Select the **New Profile** item in the **Admin** main menu.





2. In the appeared wizard window, check the required set of settings.



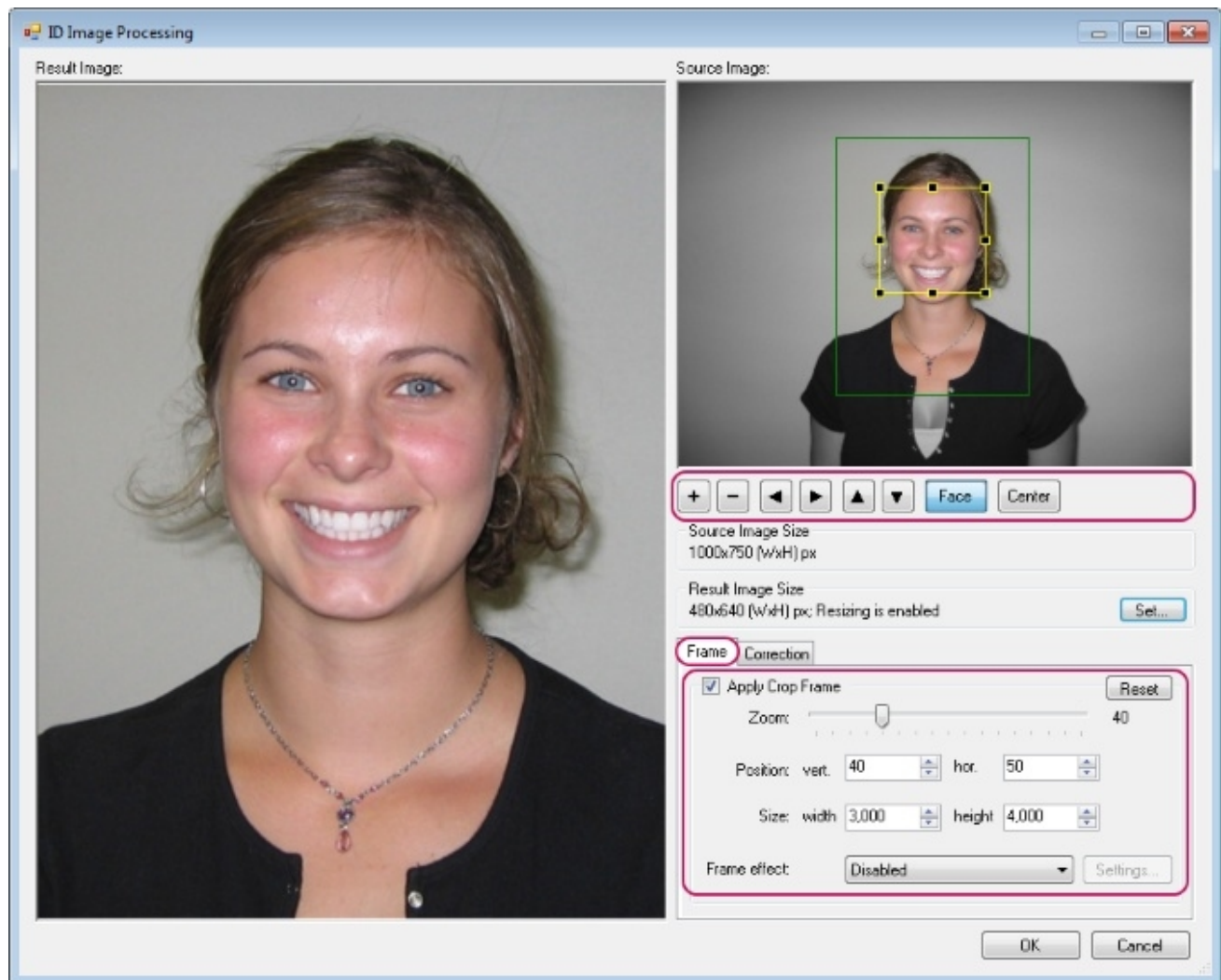
**All application settings** save all application settings contained in all located below sets of settings.

**Crop frame settings** save settings of image construction. Settings of image construction include settings of the size, shape, 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.

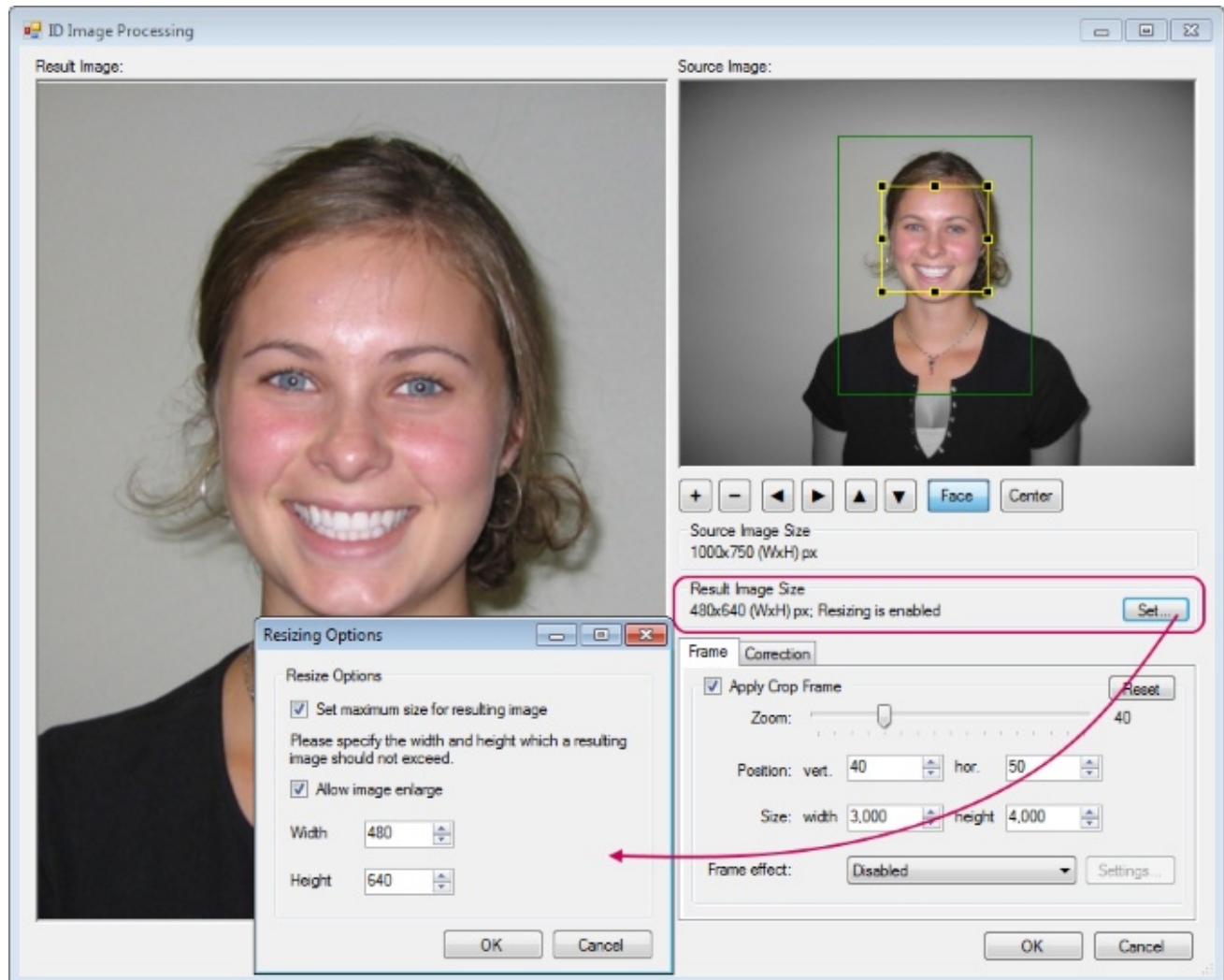


*Please remember that the **ID Image Processing** dialogue may be called up from the **File** menu > **Processing settings** or from the side menu by the **Processing settings** button. The **Processing settings** button from the side menu may be hidden if the main window of the program is switched to compact mode. To change window mode, please open the context menu on the preview and select **View > Window Mode**. For more details on main window modes, please see the [Main Window Mode](#) chapter.*

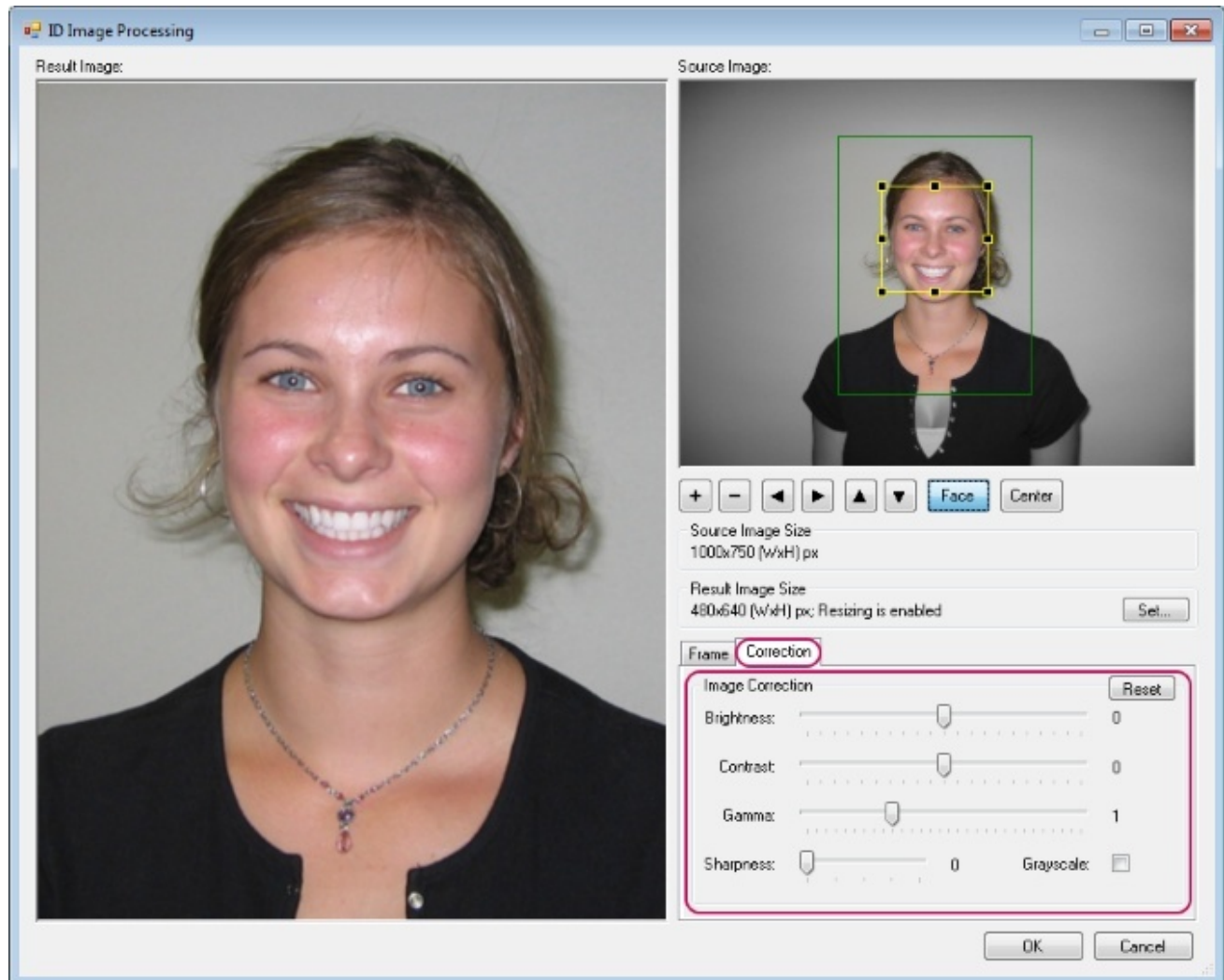
You can find out more on the crop frame settings in the [ID Image Processing dialogue](#) and [Frame Setting](#) sections.



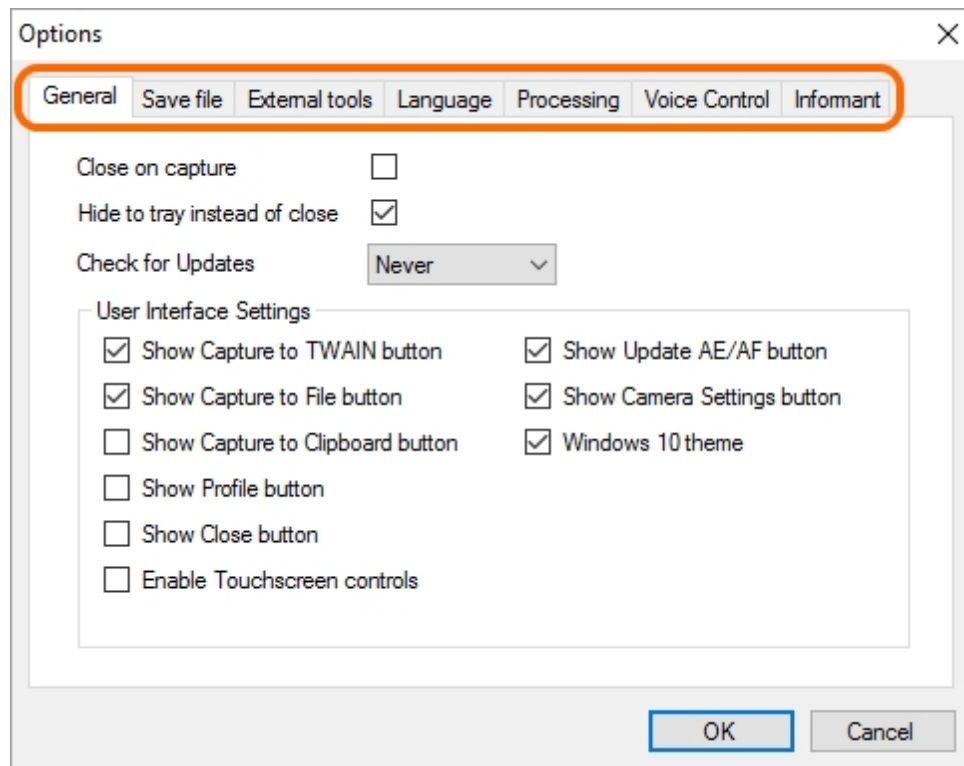
**Image resizing settings** save settings of the resulting image size, i.e. the image after processing. The settings of the resulting image size are located in the **Result Image Size** section of the **ID Image Processing** dialogue. More details on image compression parameters after processing may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



**Image correction settings** save such image settings as brightness, contrast, gamma, sharpness and grayscale. 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.



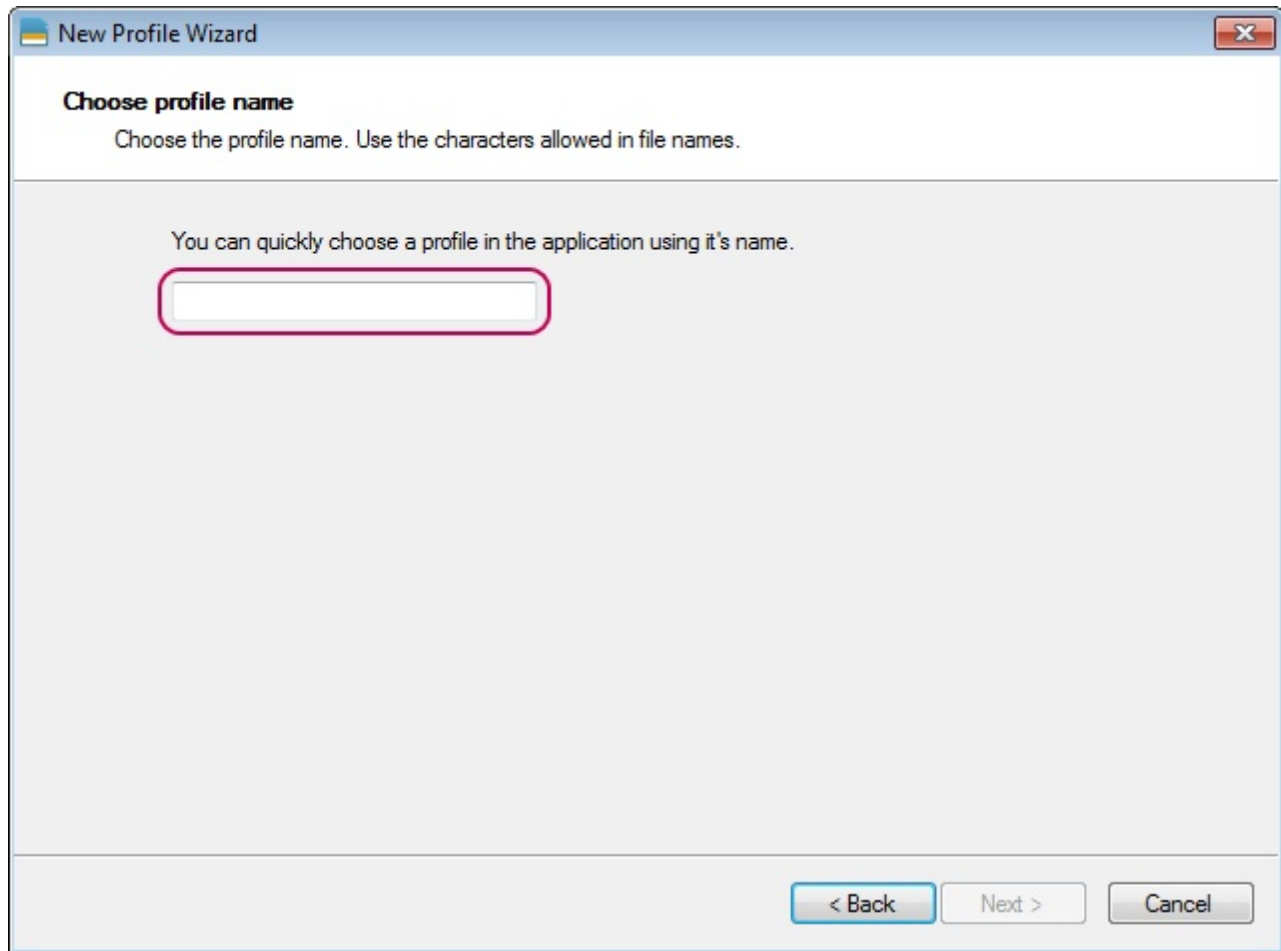
**Application options** saves all the settings present in the **Options** window. Please remember that the settings window is accessible from the main menu **File -> Options**.



You can know 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.

3. Let's complete the process of profile creation.

After you have selected the settings that you want to save in the profile press **Next**. Enter the title of the future profile in the opened window.

The image shows a Windows-style dialog box titled "New Profile Wizard". The main heading is "Choose profile name". Below it, a subtitle reads "Choose the profile name. Use the characters allowed in file names." A larger text block says "You can quickly choose a profile in the application using it's name." Below this text is a rectangular text input field, which is highlighted with a red rounded rectangle. At the bottom right of the dialog, there are three buttons: "< Back" (highlighted in blue), "Next >" (disabled), and "Cancel" (disabled).

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

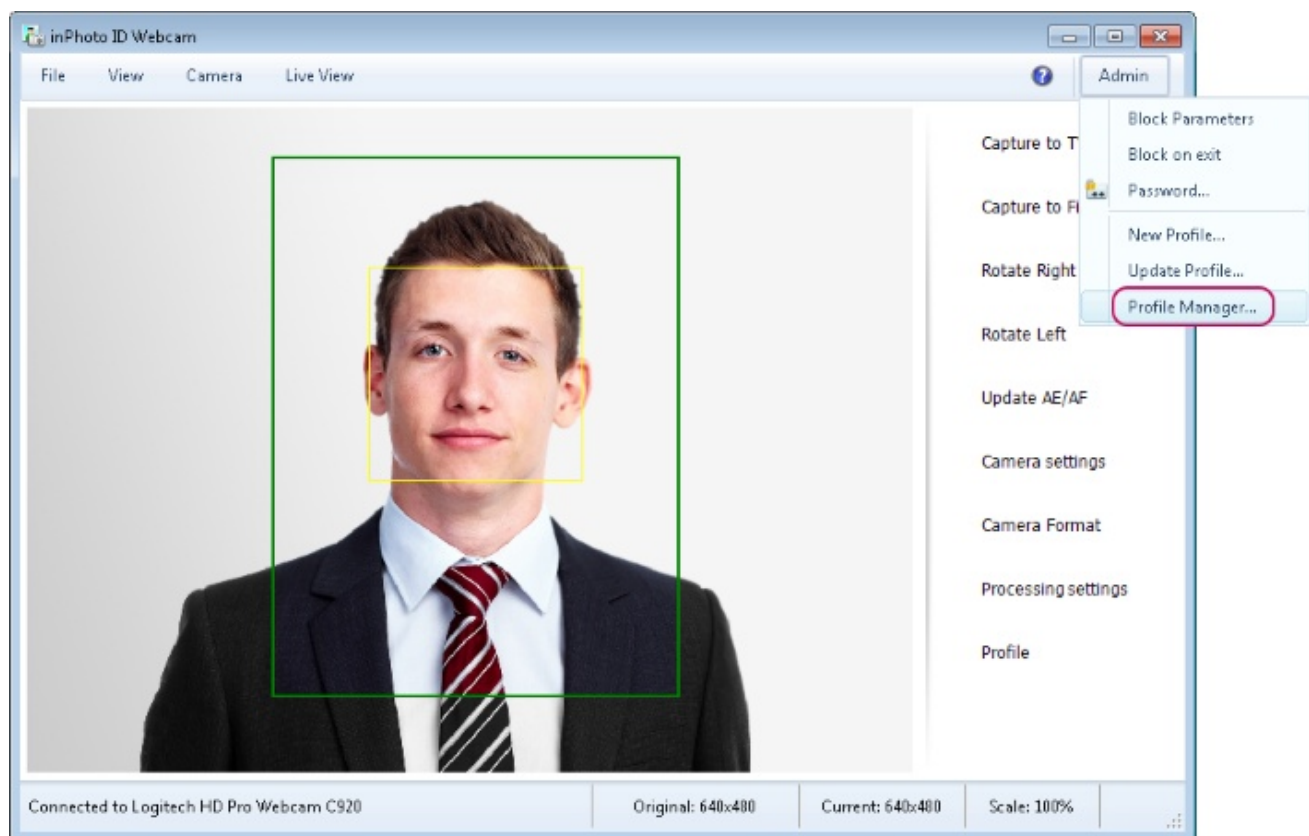
Enter the profile manager to see the created profile.

# Profile Manager

Profile manager allows carrying out the following operations:

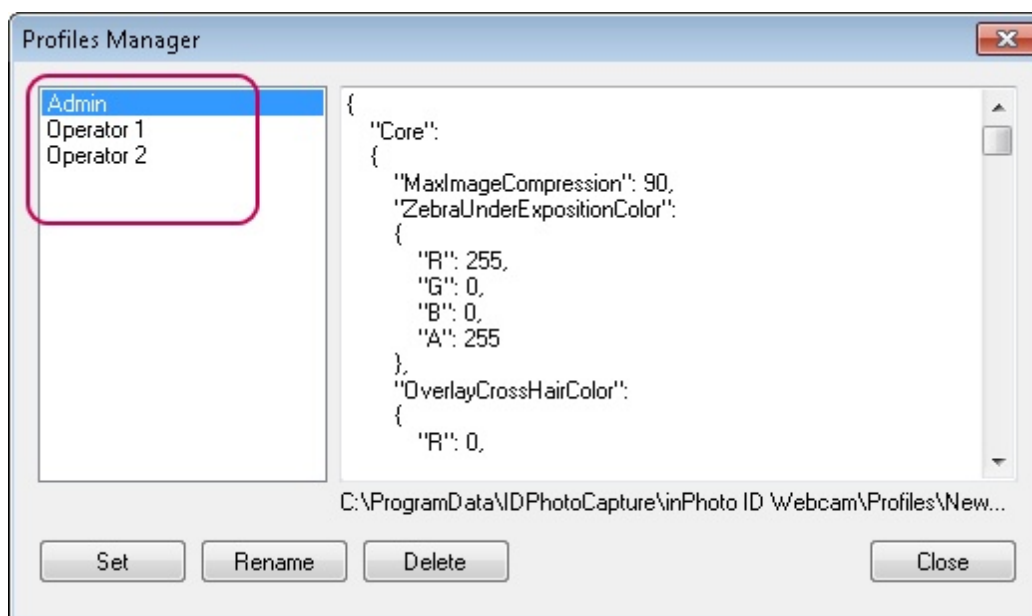
- Take a look at the existing profiles list
- Take a look at the set of settings for each profile
- Apply the profile to the current application session
- Rename the profile
- Delete the profile

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



## Displaying Profile List

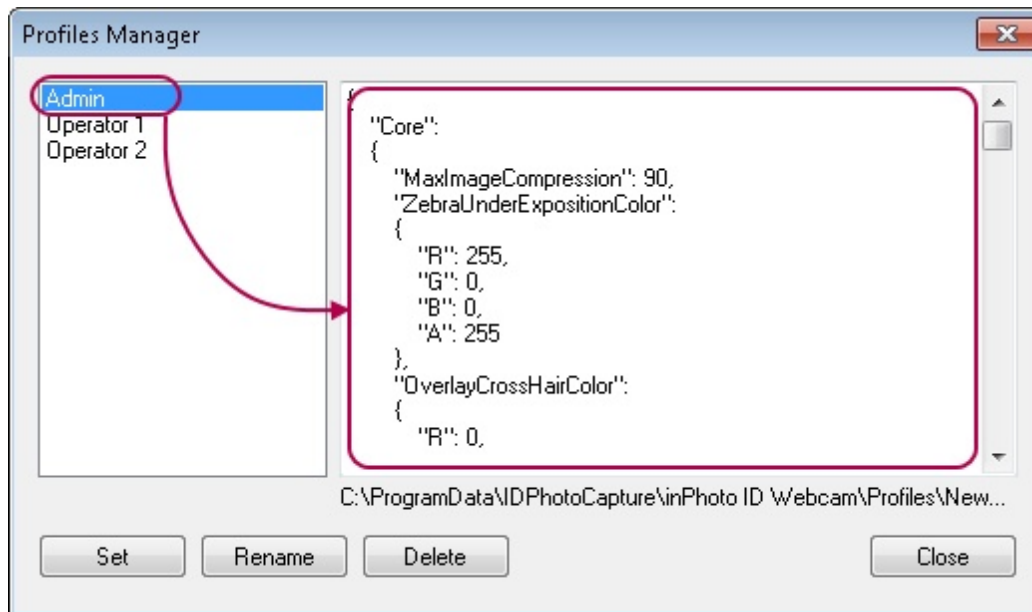
You can find the list of all existing profiles in the manager window as shown in the picture below.





## Displaying Set of Profile Settings

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.



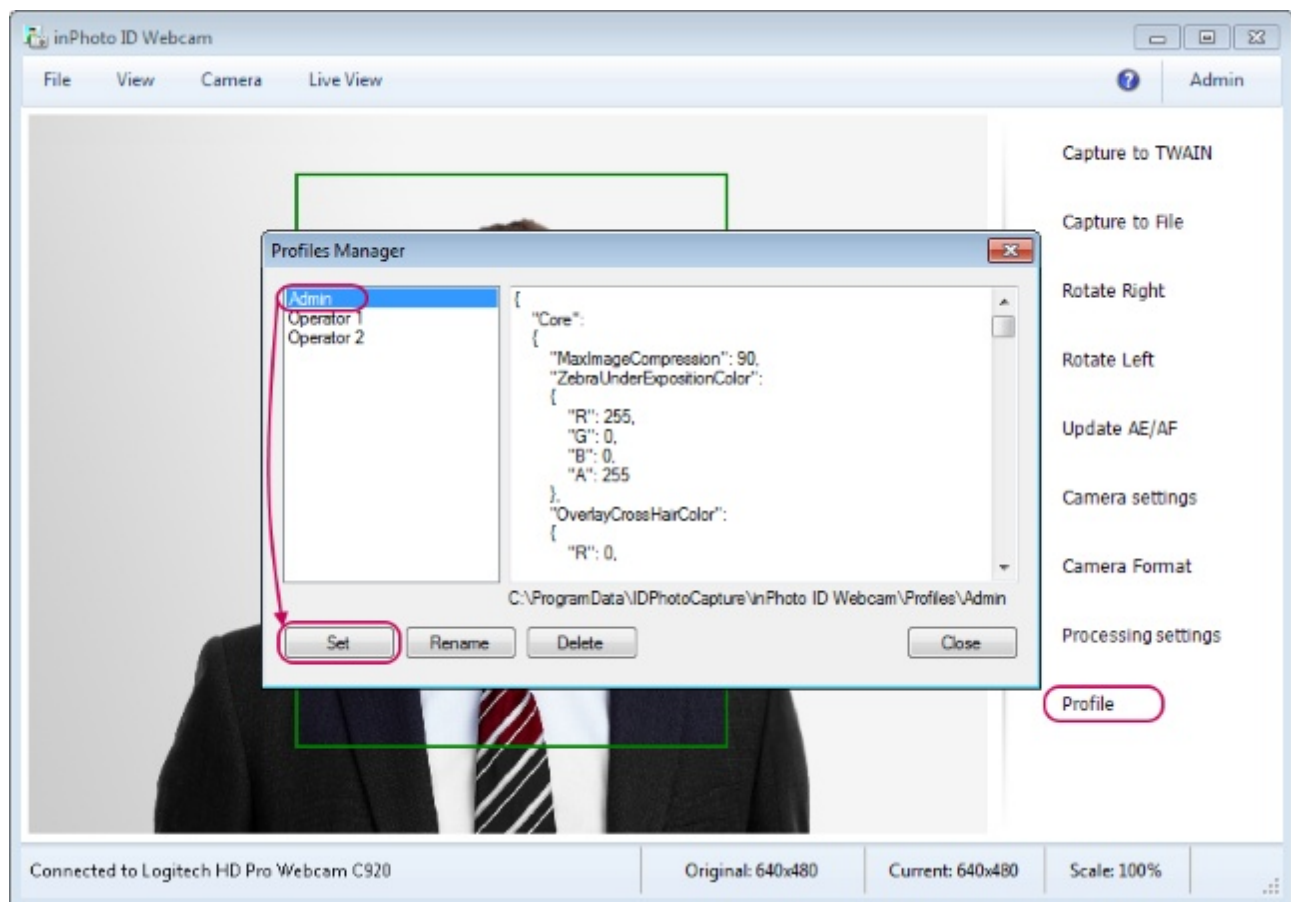
## Apply Profile to the Current Session of the Program

There are two ways of applying profile to the current session of the program - using the profile manager and or using the side menu of the main window.

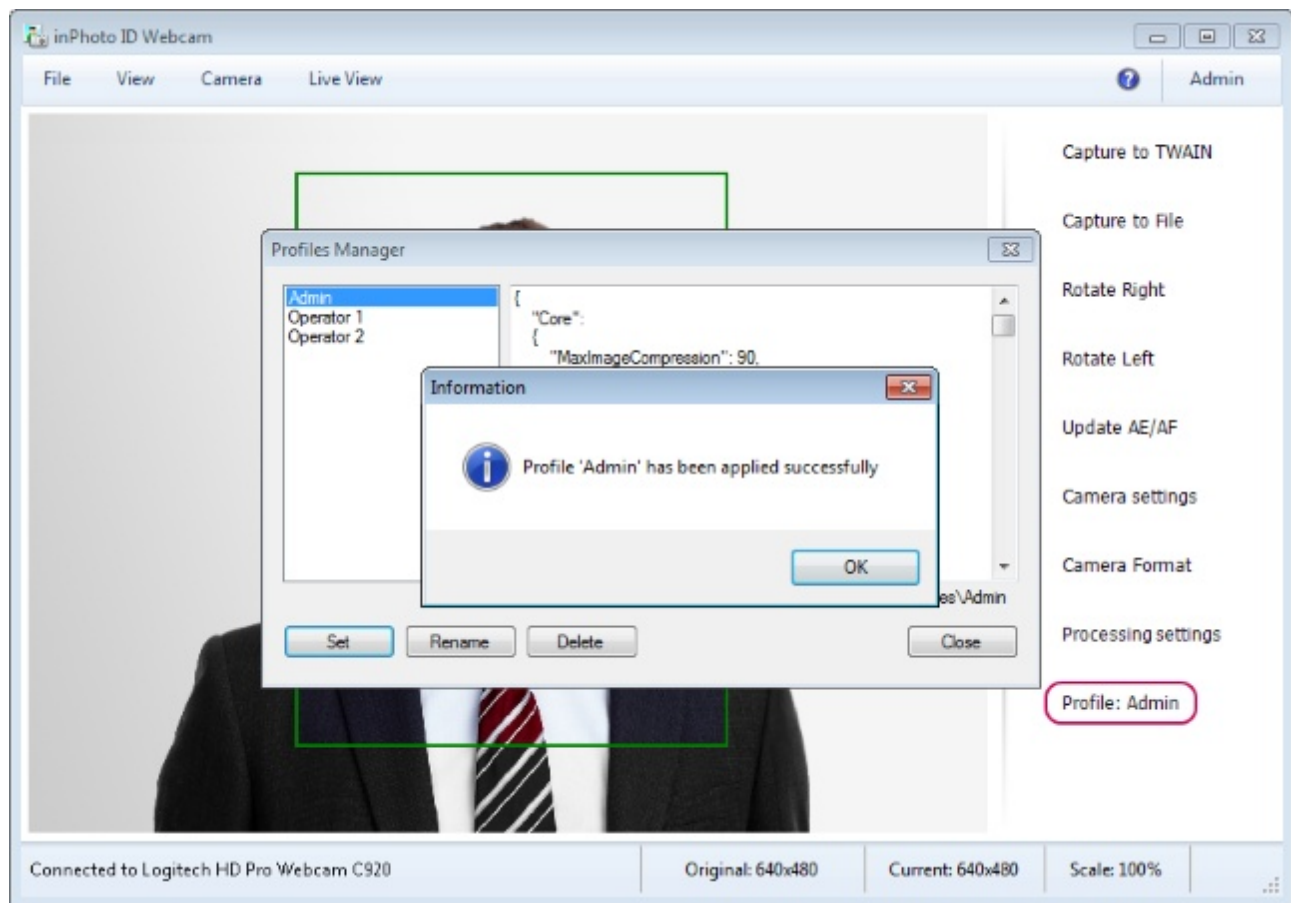


The **Profile** button may be hidden using the **Show Profile button** interface setting. The setting is located in the **File** main menu > **Options**> **General** tab.

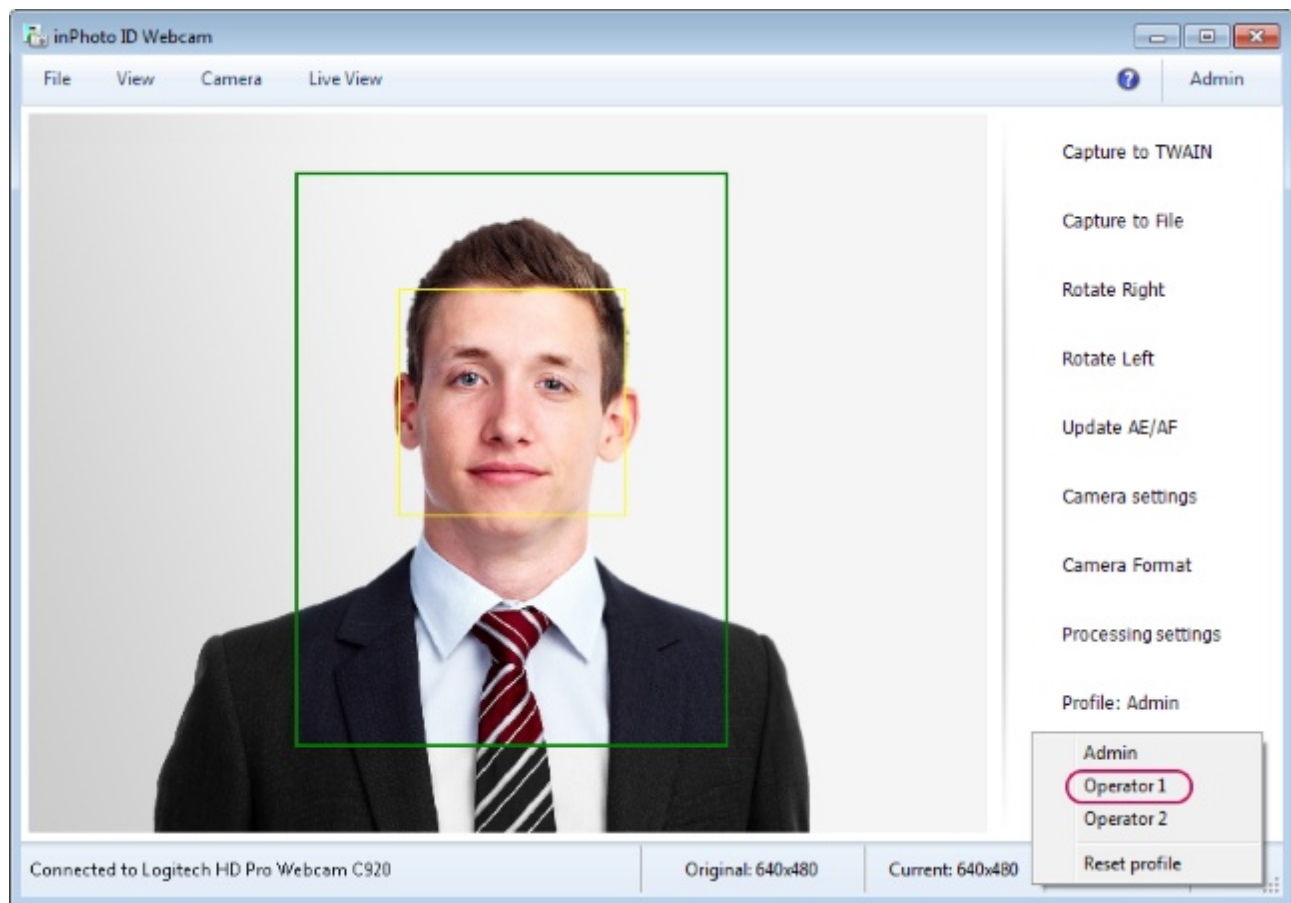
The first way: select the required profile from the list in the profile manager window and press **Set**.



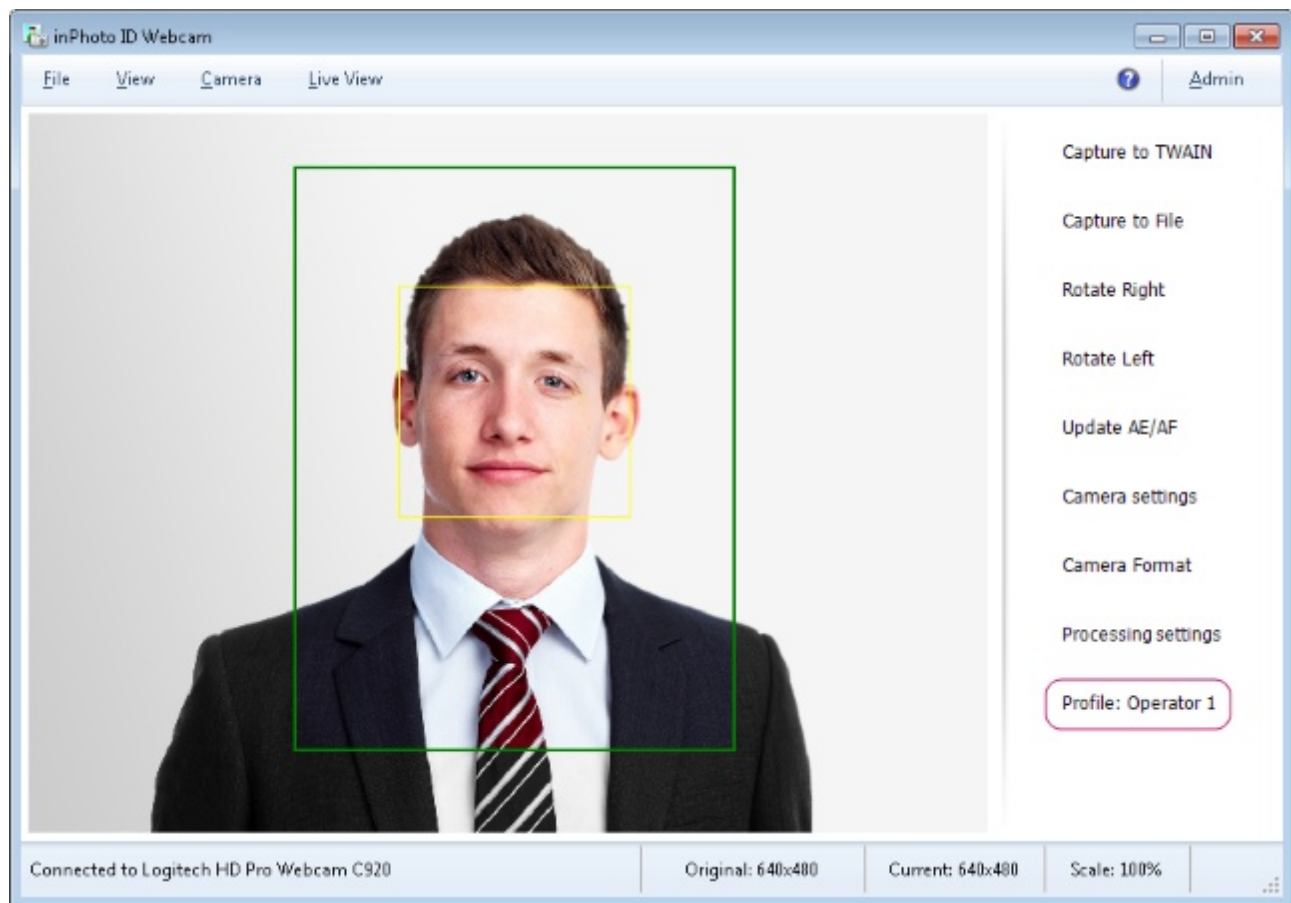
Then the message on successful application of the profile will appear and the profile name will be updated in the side menu.



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.

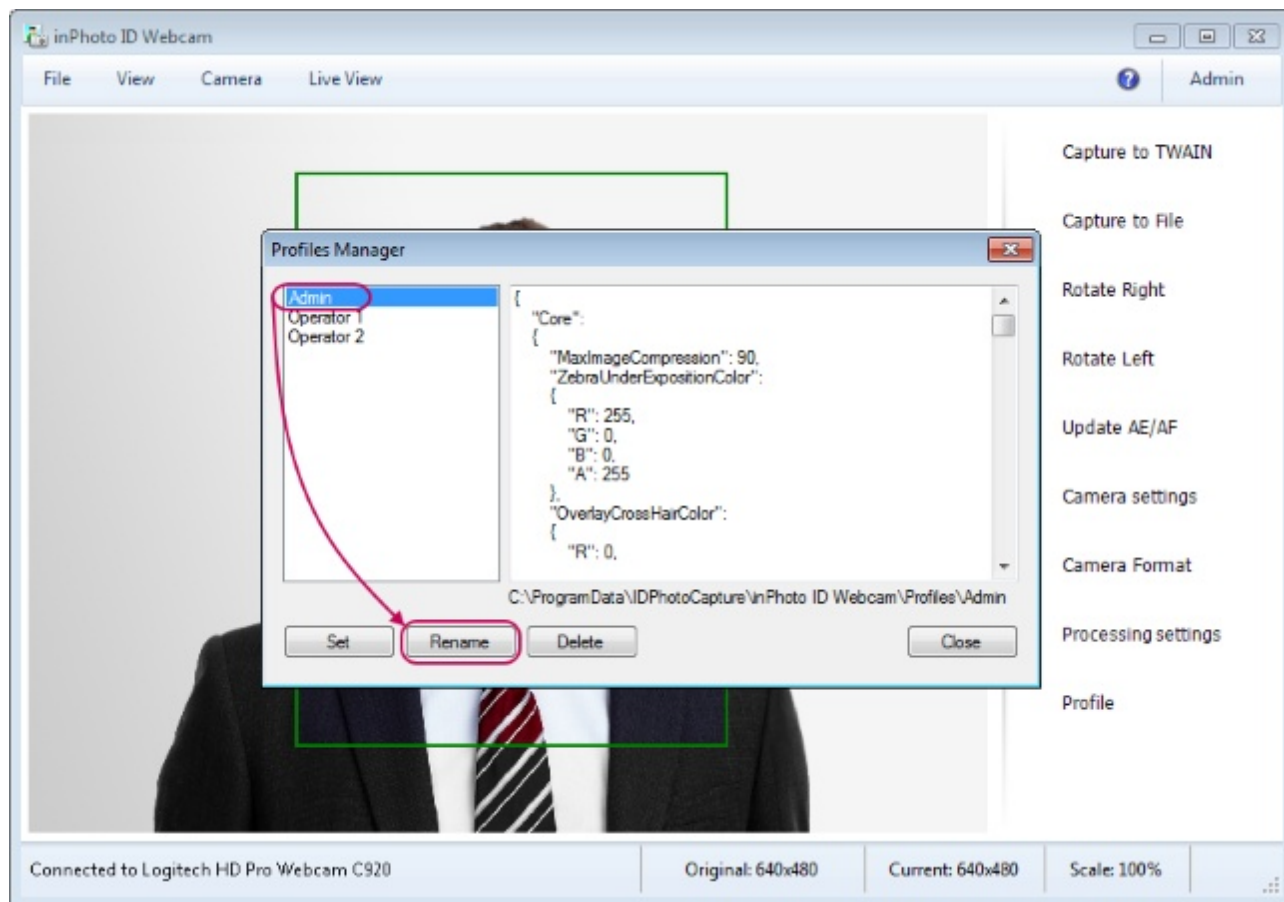


After this, the selected profile will be applied and the name will change on the **Profile** button in the side menu.



## Profile Renaming

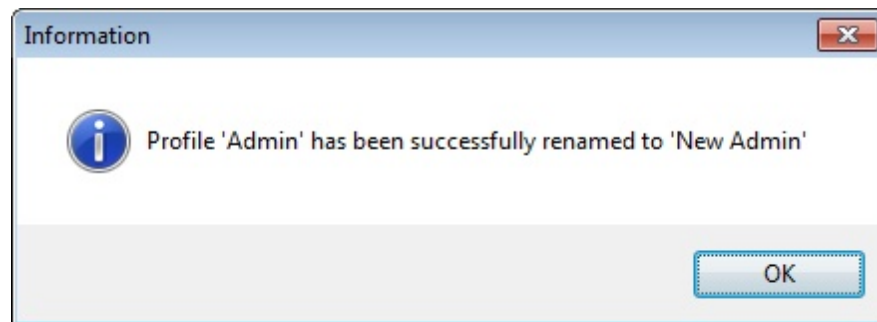
To change the profile title, select the required profile in the list on the left and press **Rename**.



Enter a new profile name in the appeared window and press **OK**.



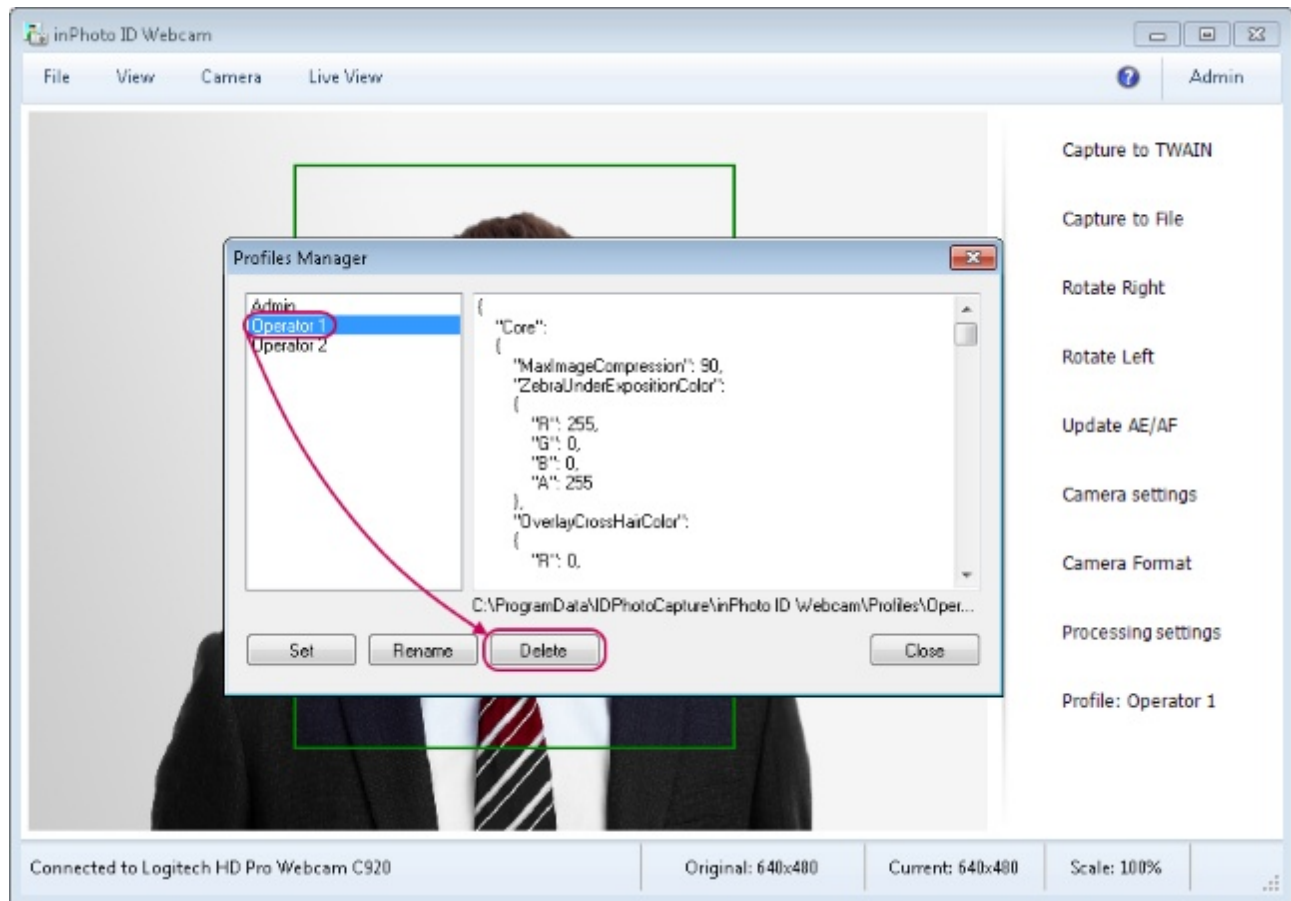
After that, the message on the successful renaming of the profile will appear.



The title will also change in the profile manager list.

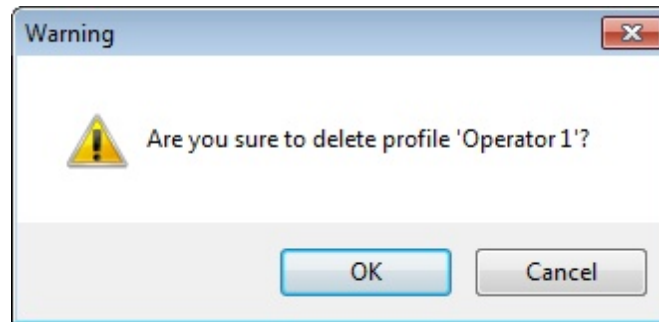
## Profile Deleting

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

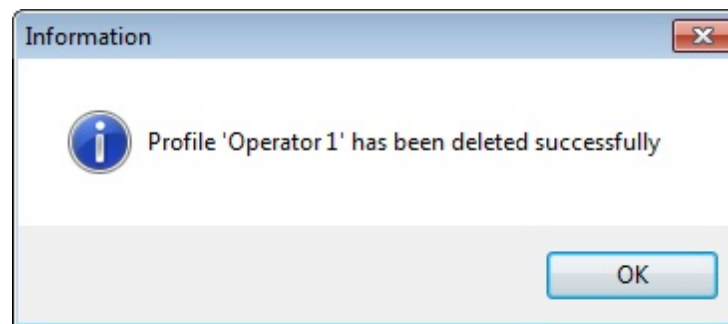




Further, the message asking for the confirmation of the profile deletion will appear. Confirm deletion by pressing **OK**.



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



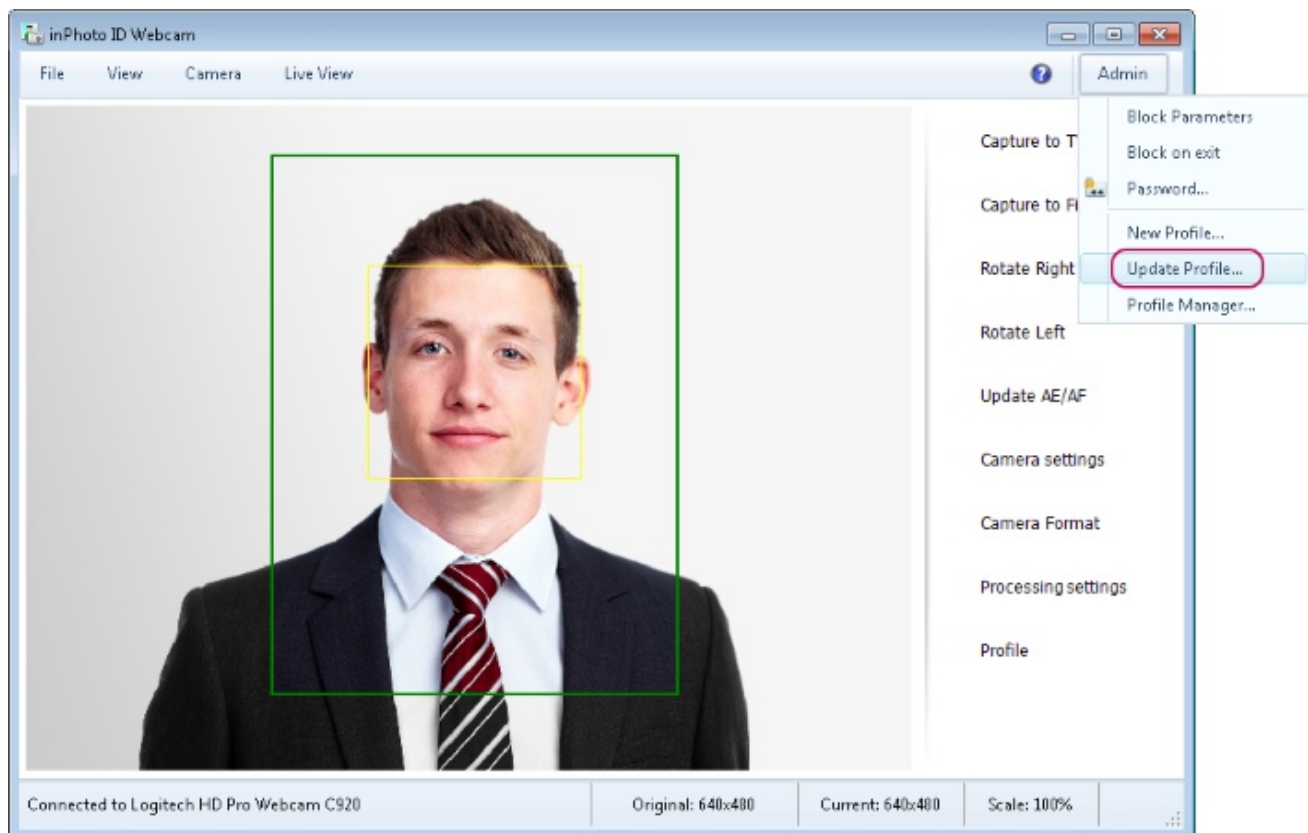
The deleted profile will no longer be available in the profile manager.

## Profile Updating

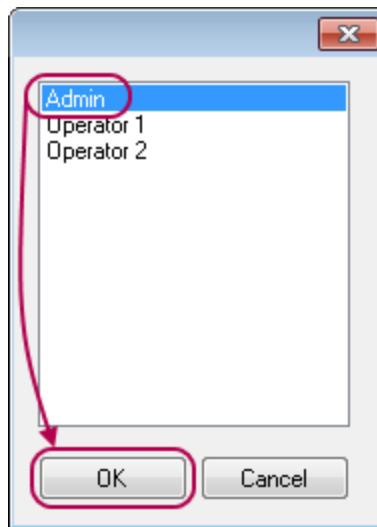
The **Update Profile** command saves the settings of the current session in a selected profile.

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.

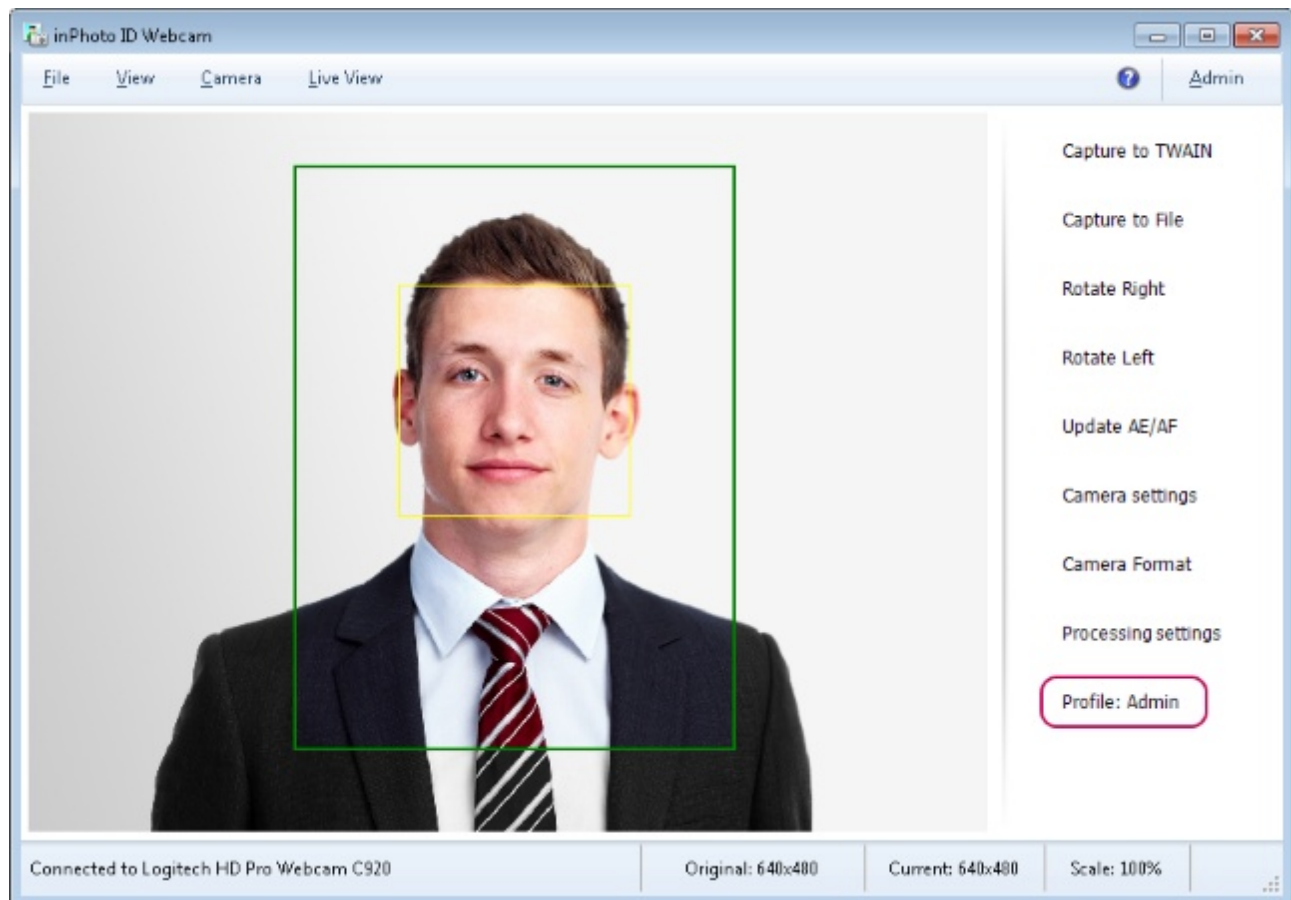


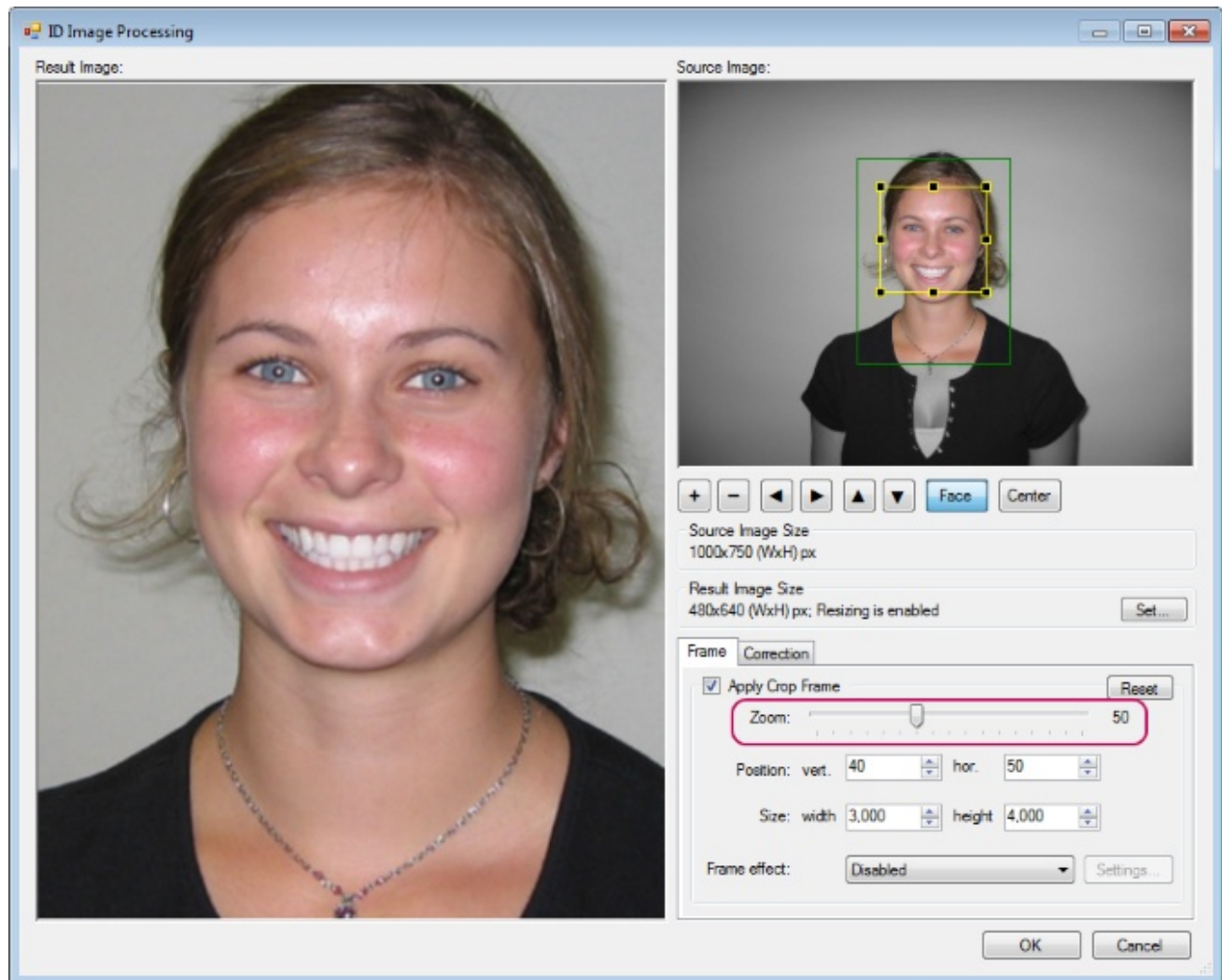
There is a list of all existing profiles in the appeared window. Select the profile to be updated and press **OK**.



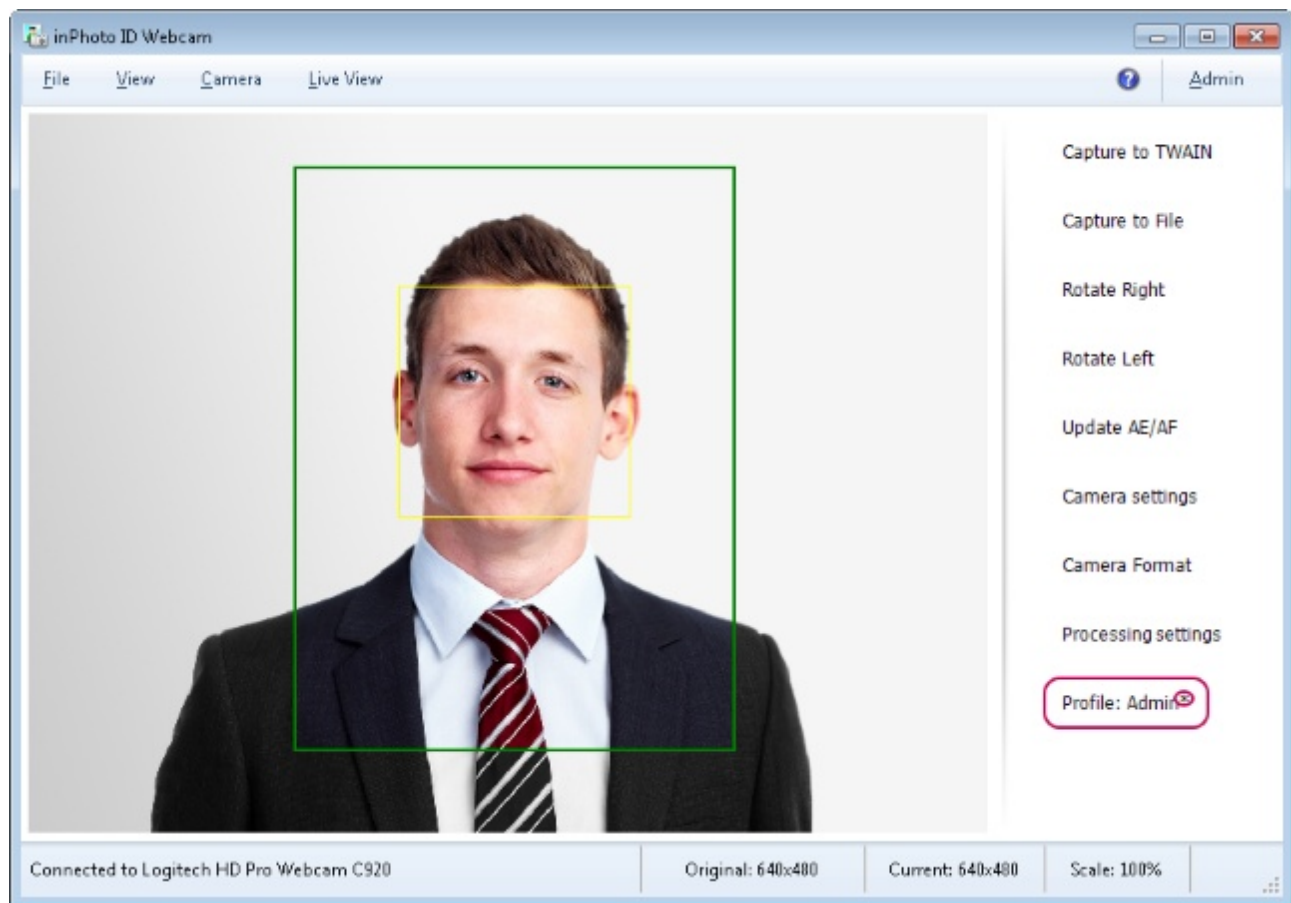
If the profile has already been established and then the application settings have been changed, this will be shown with an asterisk next to the profile name in the side menu. Please note that the profile only reacts to the change of those settings which correspond to the settings saved in the profile.

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.



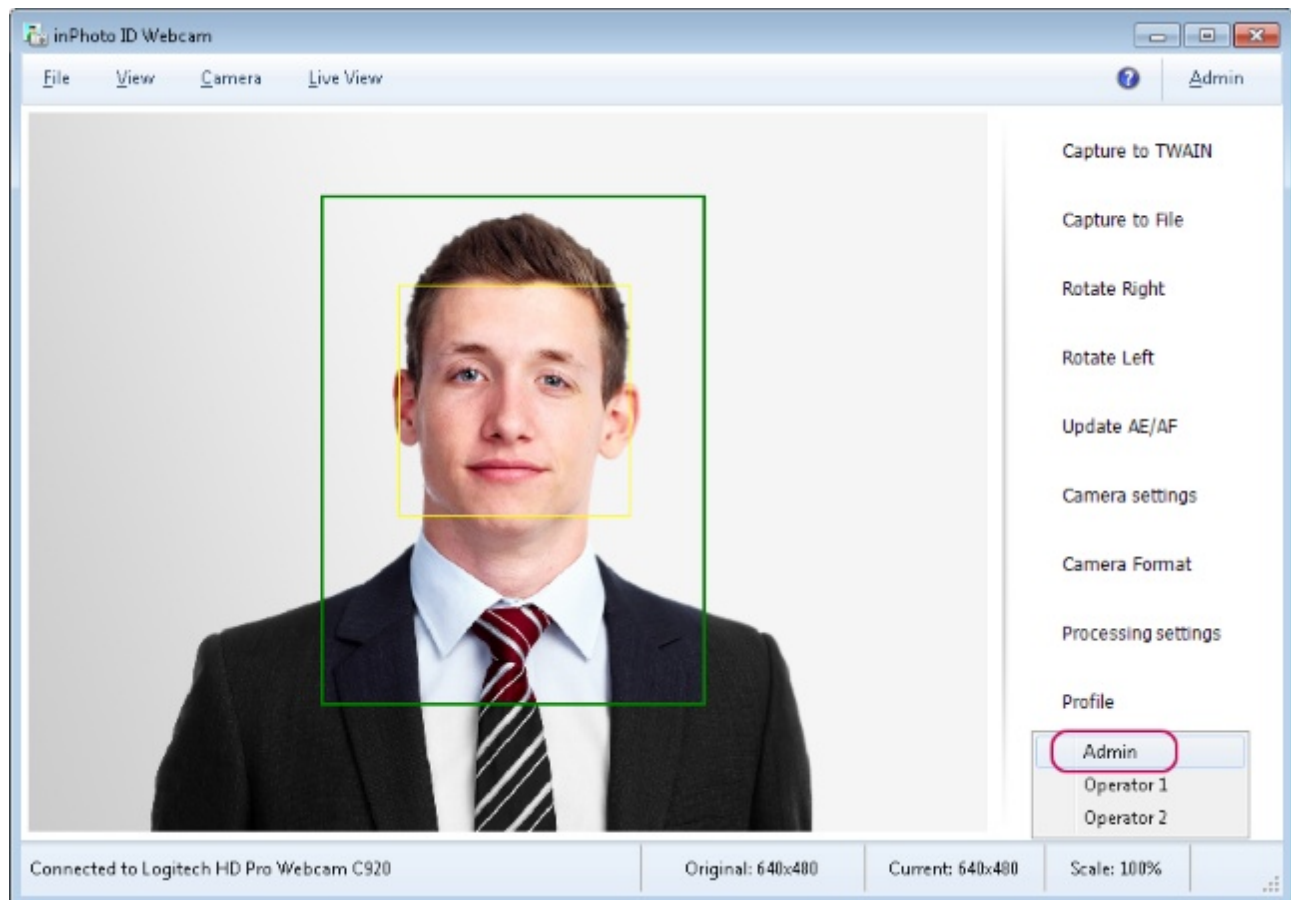
In case of changing the settings not related to **Crop frame settings**, the asterisk will not appear next to the **Admin** profile.

## Profile Applying

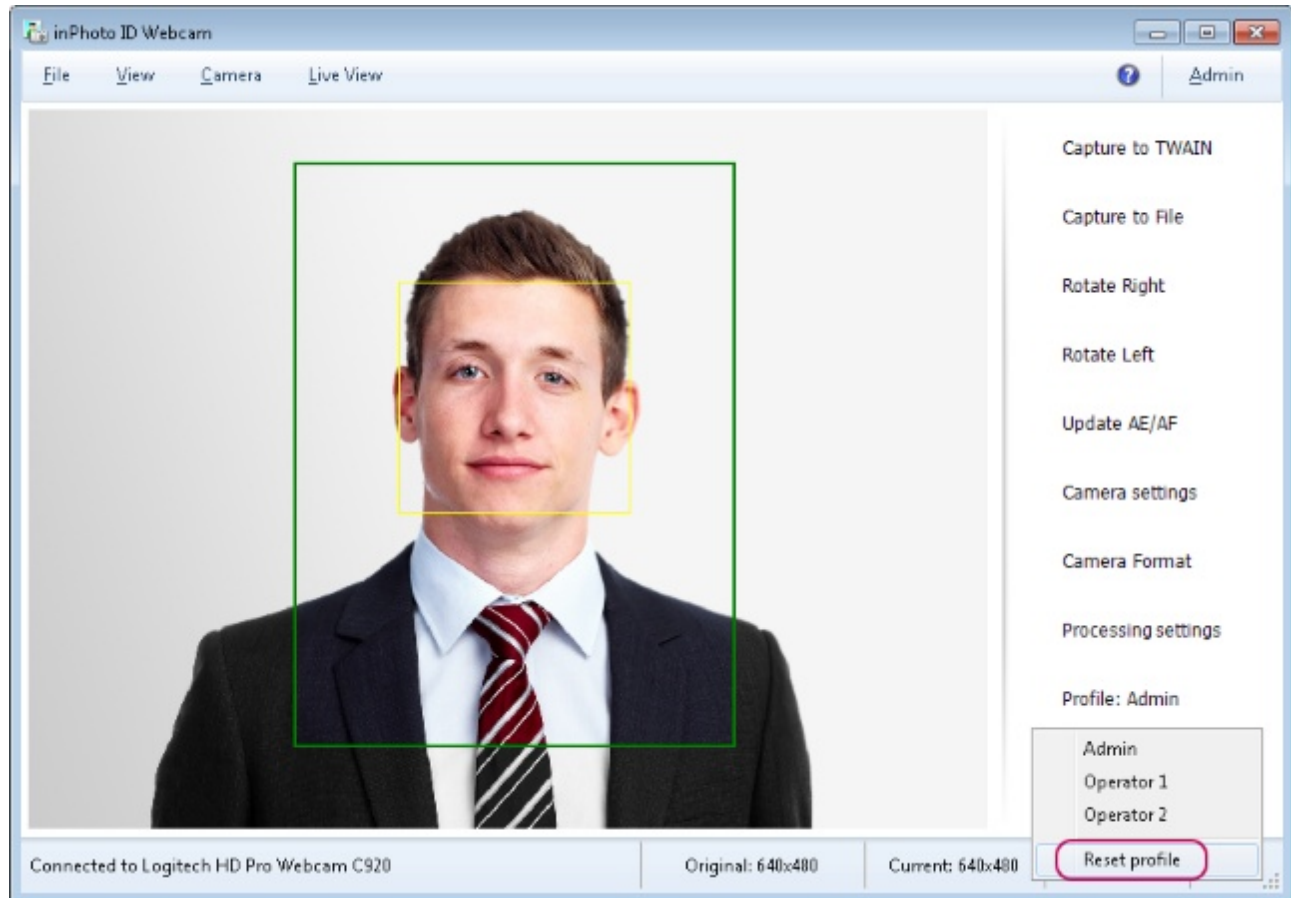
To apply the profile, press the **Profile** button in the side menu, then select the required item in the list that appeared.



*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 you can also 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 applied profile.



If no profile has been applied to the current session of the program, this item will not present in the list.



# Chapter 10. Locking

The possibility is provided for **inPhoto ID Webcam** to lock certain functions of the program.


Locking allows to protect the settings of the camera and the application from undesirable changes; the shooting and processing functions remain accessible in this case.

Locking activation limits access to the following functions of the application:

- **Options** located in the main menu **File -> Options**.
- **Processing settings** located in the main menu **File -> Processing settings**.
- **Camera settings, Camera format** located in the main menu **View -> Camera settings**, as well as in the side menu.
- Switch between **Window mode** and **Compact mode**.
- Change the main window size.
- Rotate image.
- Commands for working with **Profiles**.
- Locking settings without **Block on Exit**.
- The **ID Image Processing** dialogue that appears during processing has not the **Set** and the **Set as default** button. The **Set** button opens **Resizing Options** dialogue, the **Set as default** button saves the settings set in the dialogue as by default settings.

The following application functions remain accessible:

- **Capture to TWAIN, Capture to File, Capture to Clipboard**, located in the main menu **Camera** and in the side menu.
- **Update AE/AF, Select camera, Reconnect**, located in the main menu **Camera**. **Update AE/AF** is also located in the side menu.
- The tools for working with the preview: **Grid, Cross-Hair, Exposure control**, located in the main menu **Live View**.
- **Preview window** is located in the main menu **View**.
- The commands of scale changing are located in the main menu **View**.

- All commands in the  menu: **Help, Send Error Report, Check for Updates, About.**
- The **Frame** and **Correction** settings located in the **ID Image Processing** dialogue when the dialogue is showed during processing. It should be remind that you cannot call the dialogue using the **Processing settings** command if the locking switch on.
- **Profile** is located in the side menu. This command allows to apply, change or reset the profile for the application.

The contents of the chapter are as follows:

[Scheme of Working with Locking](#)

[How to Set Password](#)

[Locking](#)

[Unlocking](#)

[Block on Exit](#)

## Scheme of Working with Locking

**Step 1.** The administrator sets the application settings, e.g.: camera settings, processing settings, interface settings, file saving settings, frame and image correction settings...

**Step 2.** After completion of setting **inPhoto ID Webcam**, the administrator enters the password and activates the locking. After that, the application settings will be inaccessible for changing.

Please see further in the [How to Set Password](#) and [Locking](#) sections how to set the password and activate the locking.

**Step 3.** To the locking will be activated automatically during the next start of **inPhoto ID Webcam**, the administrator can switch on the **Block on exit** setting. This setting excludes the possibility when the administrator can forget to switch on the locking after he has configured the application. Please see further in the [Block on Exit](#) section how to activate locking upon closing the program.

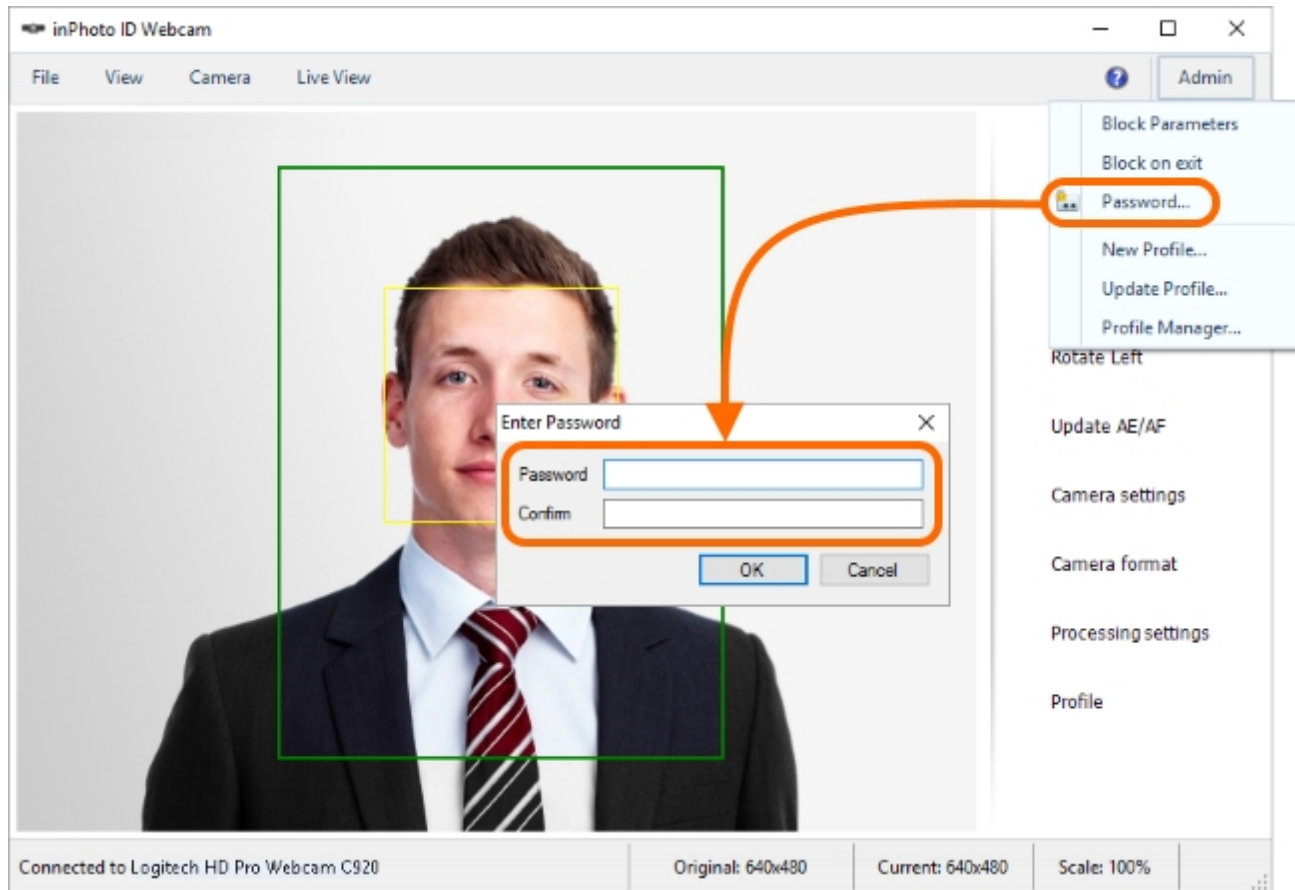
**Step 4.** After the administrator has made settings for the application and activated the locking, the user can only use the application functions that are not locked. Please remember the locking limits access for the users to the camera and application settings, shooting and processing commands remain accessible.

**Step 5.** When you need to change some settings, the administrator deactivates the locking and all the application functions become accessible. Then he changes the settings and activates the locking again.

Please see further the [Unlocking](#) section to find out how to deactivate the locking.

## How to Set Password

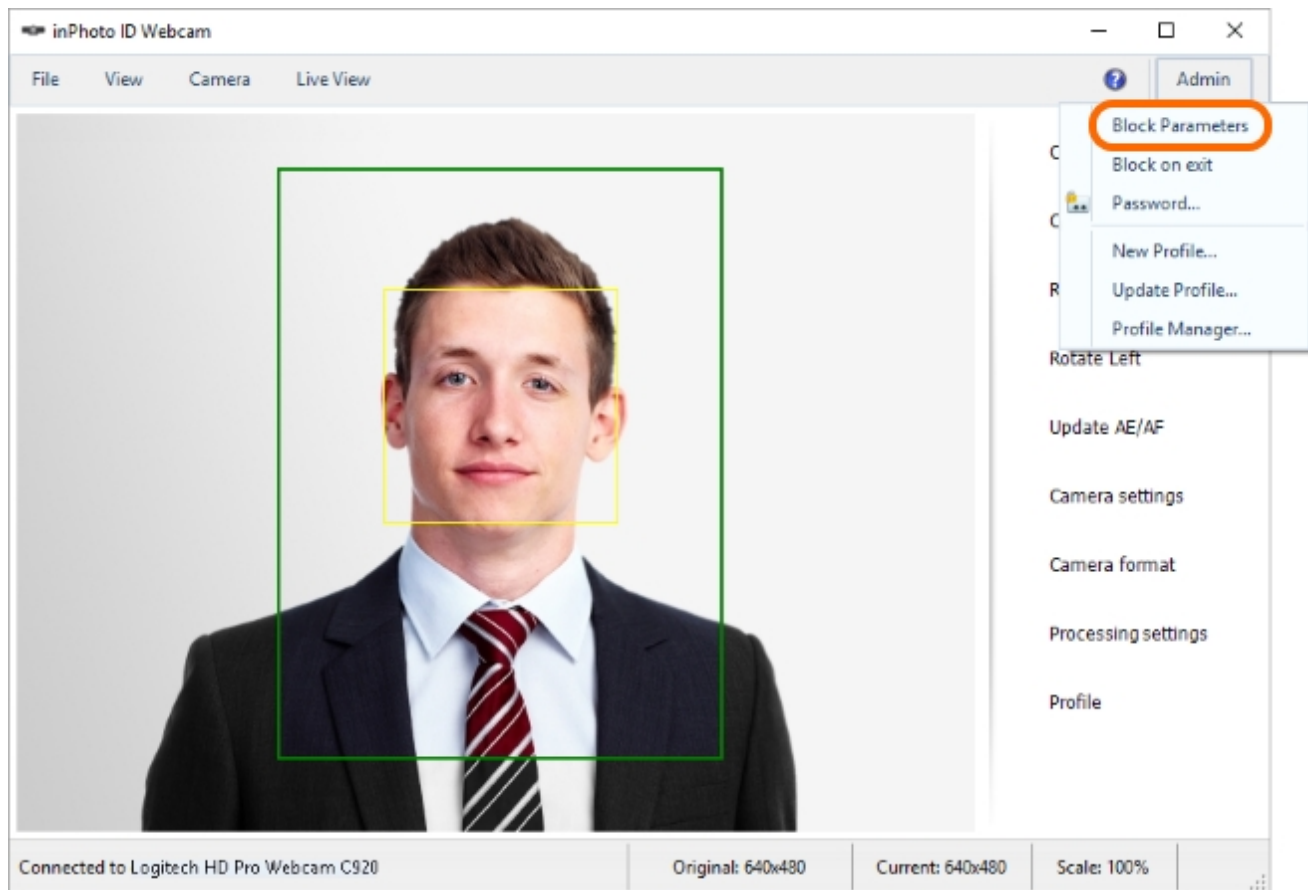
To set password, follow these steps: in the **Admin** menu, select the **Password** item then, in the appeared window, enter password in the **Password** field, re-enter password in the **Confirm** field, close the window by pressing the **OK** button.



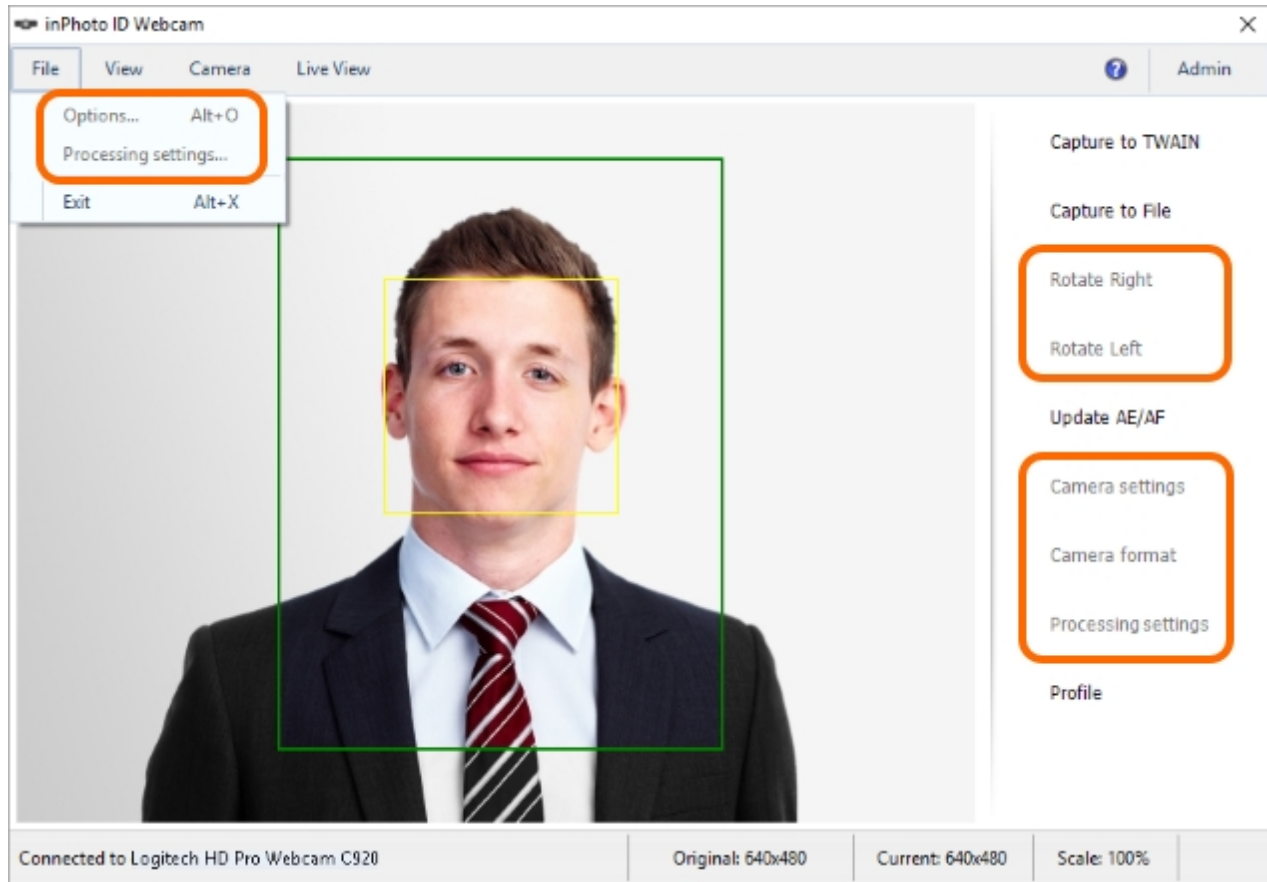
To change password, deactivate locking if it is activated, then set new password.

# Locking

To activate locking, in the **Admin** menu, select the **Block Parameters** item.

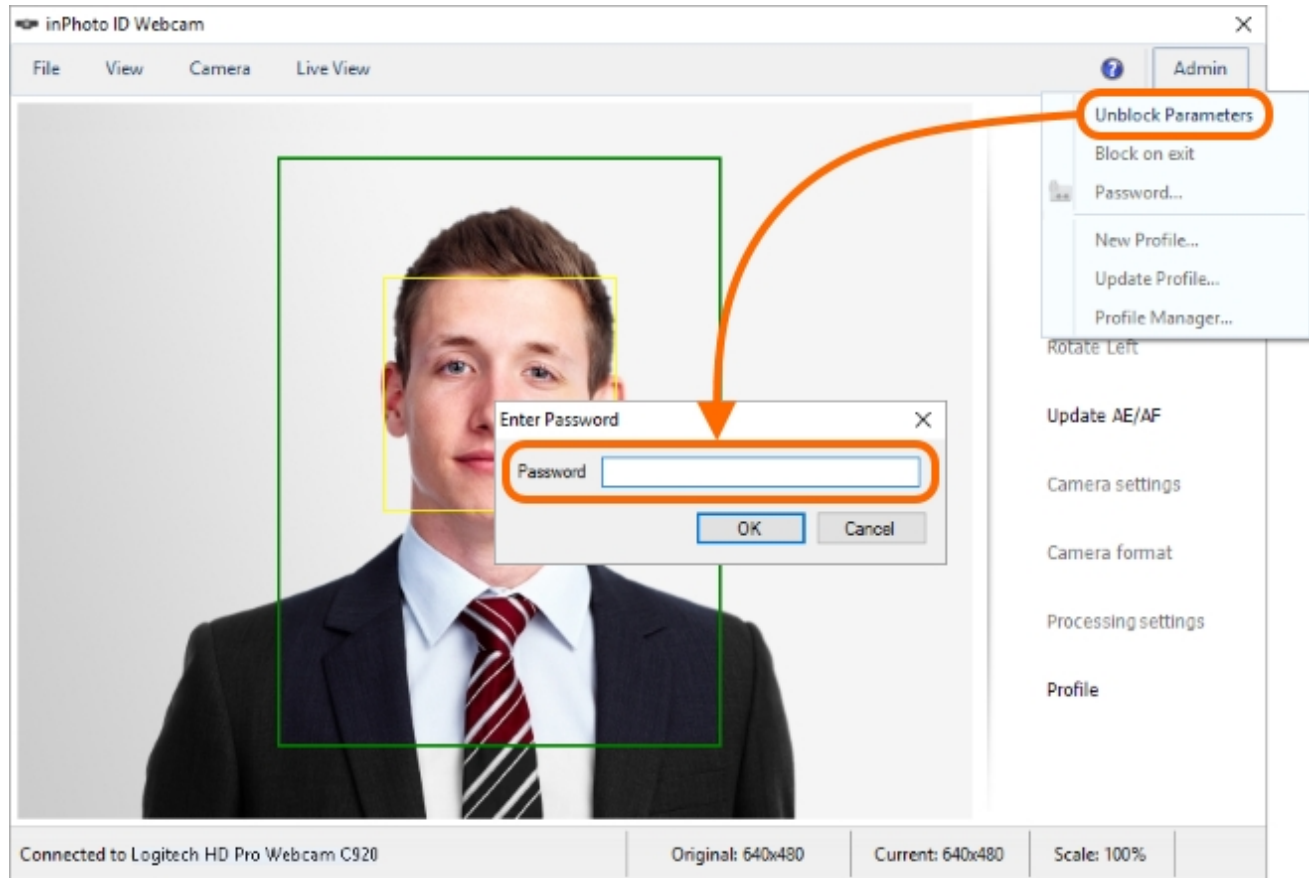


After you have activated locking the blocked menu items and buttons will be disabled.



# Unlocking

To deactivate locking, in the **Admin** menu select the **Unblock Parameters** item then enter the password that you have set in the appeared window and press the **OK** button.

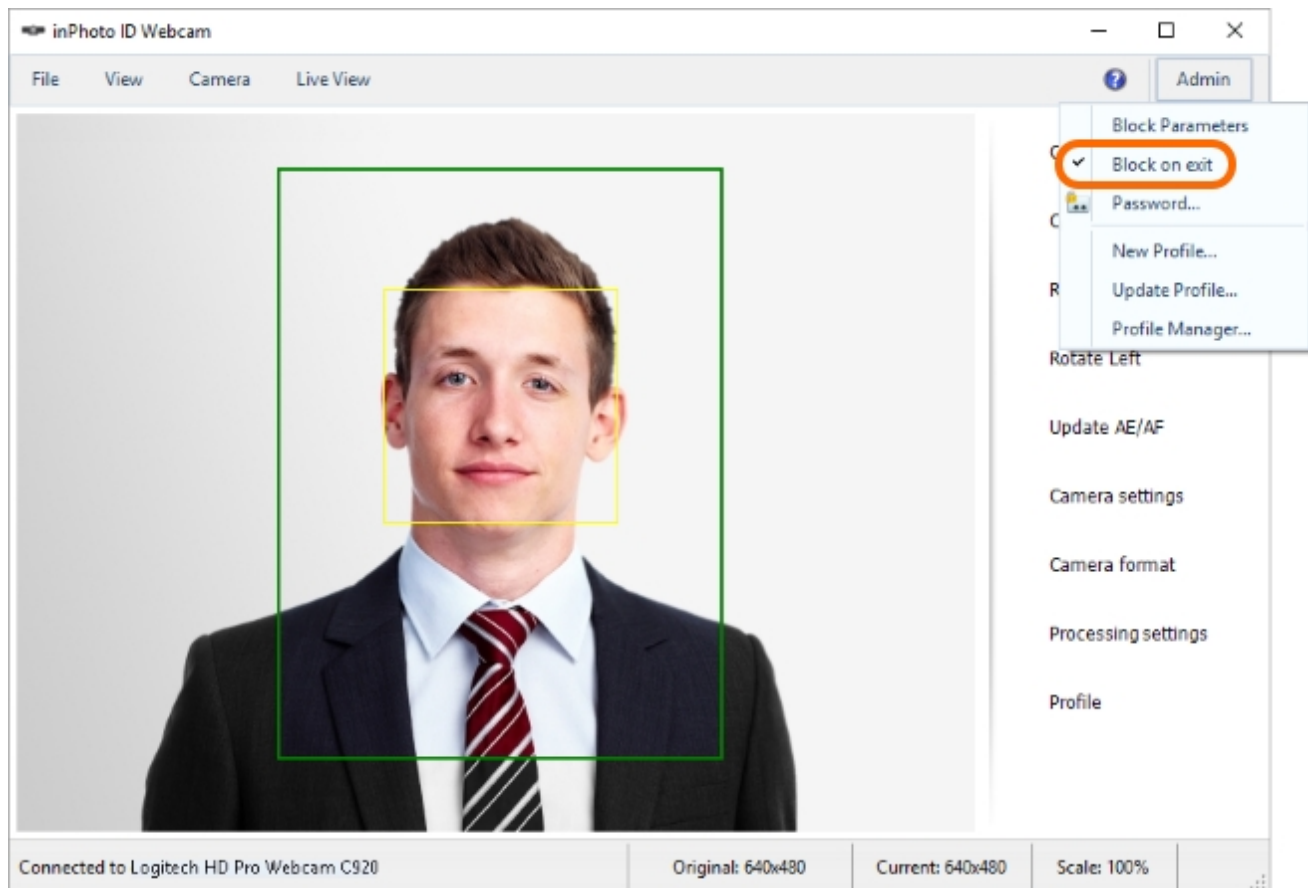


## Block on Exit

The **Block on exit** command activates locking upon closing the program. Therefore, the locking will be activated upon the next start-up of the program.

This command is implemented to reduce the likelihood of leaving the locking off after changing program settings.

To activate locking upon closing, select the **Block on exit** item in the **Admin** menu.



*It is important to note that the locking will only be activated if the program is completely closed, if the program is hidden to tray the locking will not be applied.*



# Chapter 11. Version Upgrade

**inPhoto ID Webcam** 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 next 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:

[Automatic Mode](#)

[Manual Mode](#)

[Updates Installation](#)

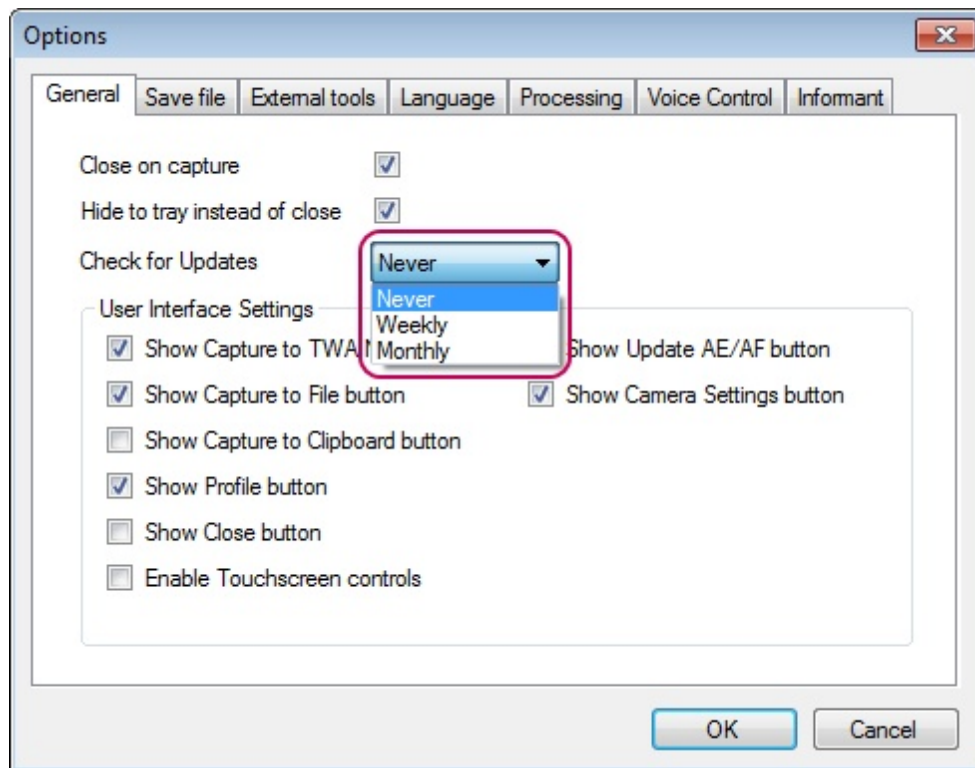
## Automatic Mode

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 you choose the **Weekly** value, the application will check for availability of a new version each week, if **Monthly** is selected — each month.

If you set the **Never** value 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 if the user prefers to check for updates manually.



After having set the required value, close the **Options** window with the **OK** button.

If you set **Weekly** or **Monthly**, the program will check for updates after clicking **OK**.

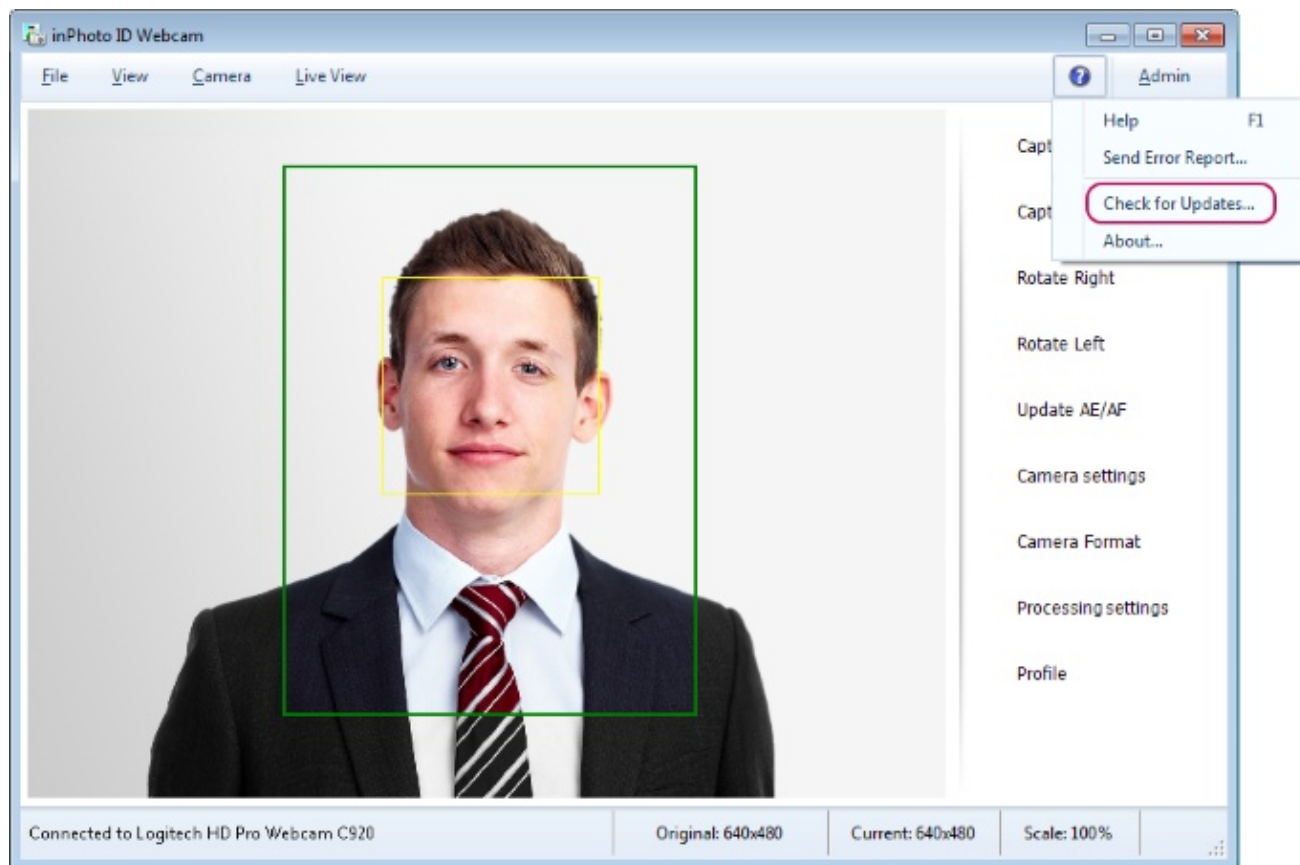
If any updates are available, the program will inform you about it with the following message.



To update version of the program, click the **Yes** button in the message. You can read more details on downloading new version in the [Updates Installation](#) chapter. To continue working with the current version, click the **No** button in the message.

## Manual Mode

You can manually check for updates using the **Check for Updates** command located in the **Help** menu.

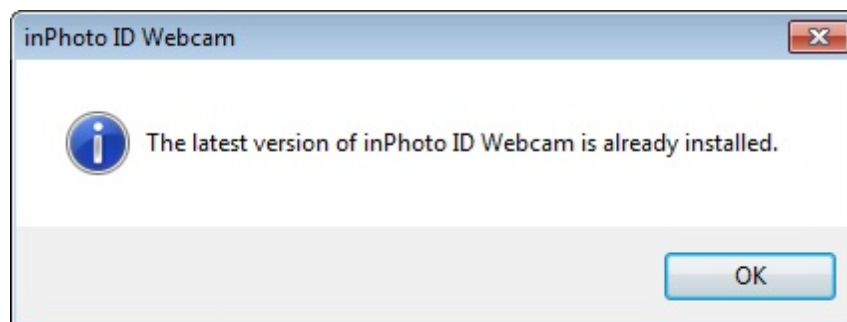


If a new version has been released, as in the automatic mode, the application will inform you about it with the following message.



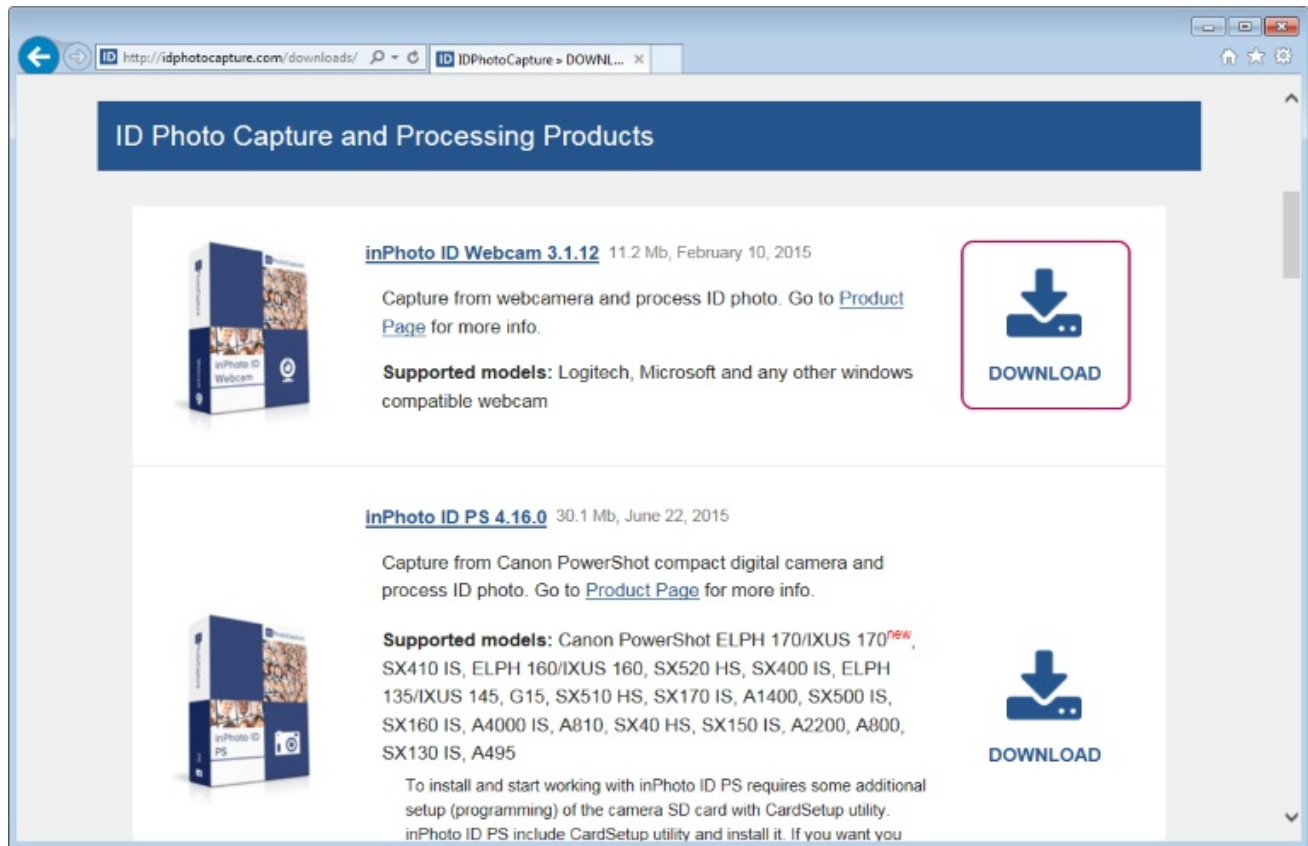
To update version of the program, click the **Yes** button in the message. You can read more details on downloading new version in the [Updates Installation](#) chapter. To continue to working with the current version, click the **No** button in the message.

If updates have not been released, the application will inform you that you have the latest version.



## 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 **inPhoto ID Webcam** may be found in the [Installation](#) chapter.

You can see that the version of the application has been upgraded in the **About inPhoto ID Webcam** 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 12. 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 **inPhoto ID Webcam** and with our other products.

The contents of the chapter are as follows:

[About the Application](#)

[Help Topics](#)

[Send an error report](#)

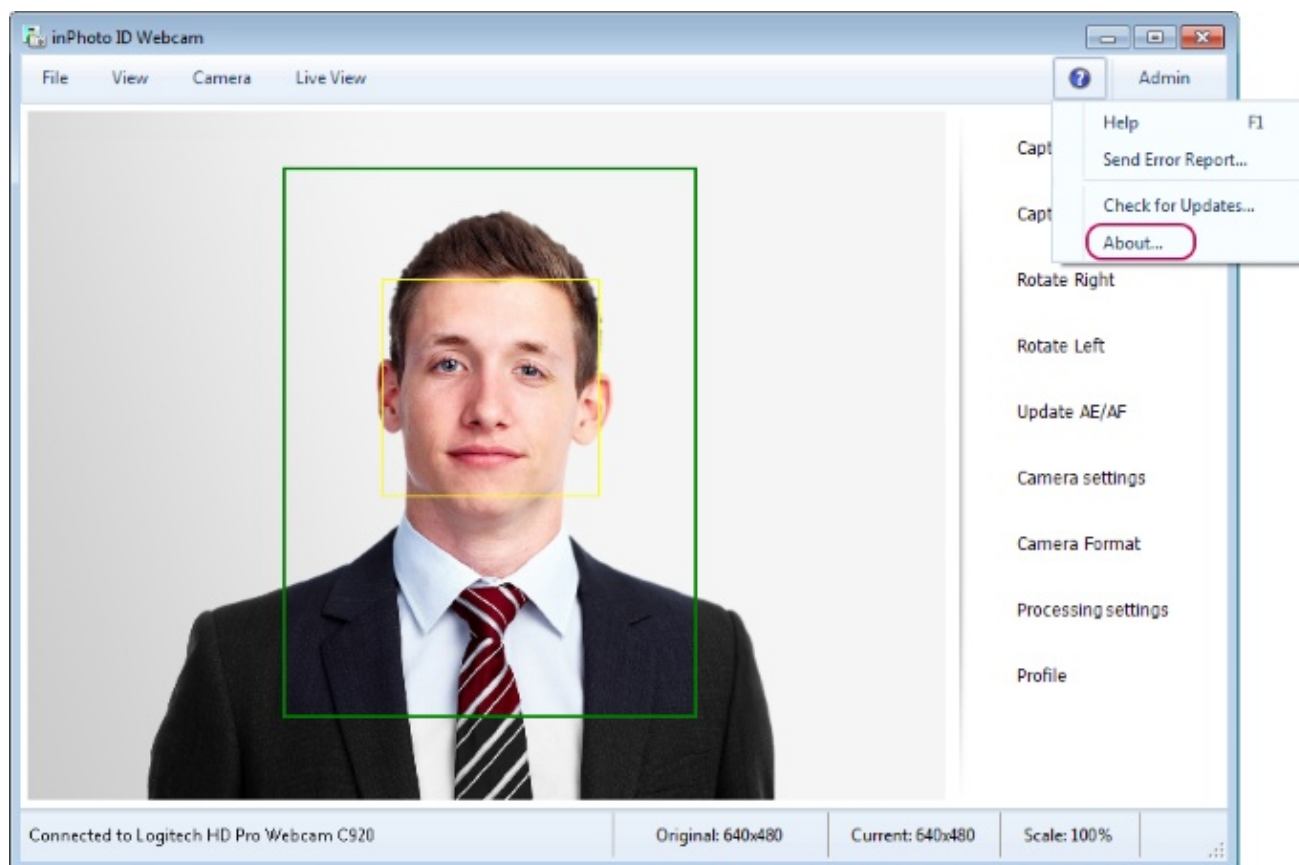
[Contact technical support service](#)

[Useful Information](#)



# About the Application

The basic information on the **inPhoto ID Webcam** is located in the main menu  > **About**.




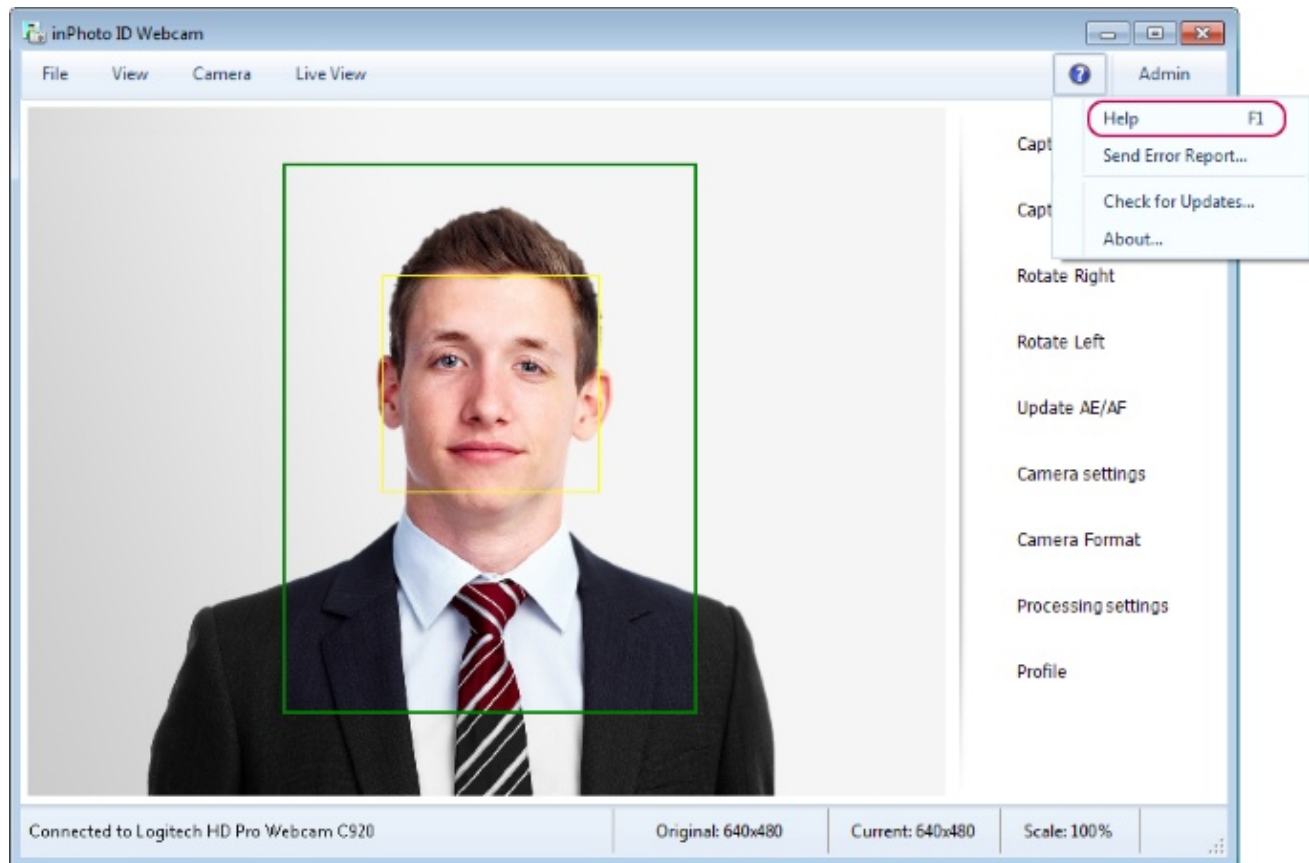
The **About inPhoto ID Webcam** window indicates:

- 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

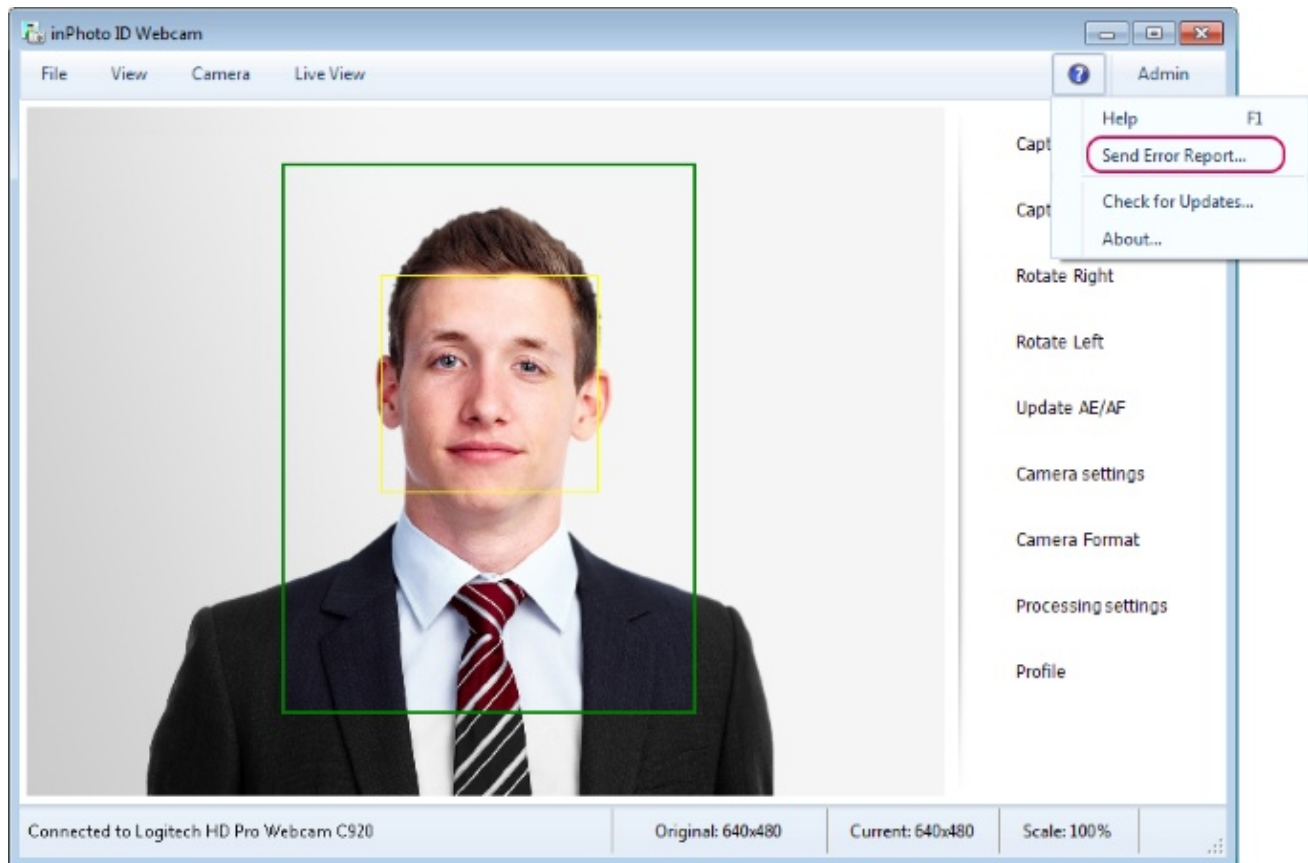
To get the necessary information at any moment of working with **inPhoto ID Webcam**, use the help guide. The help guide is located in the  main menu > **Help**.



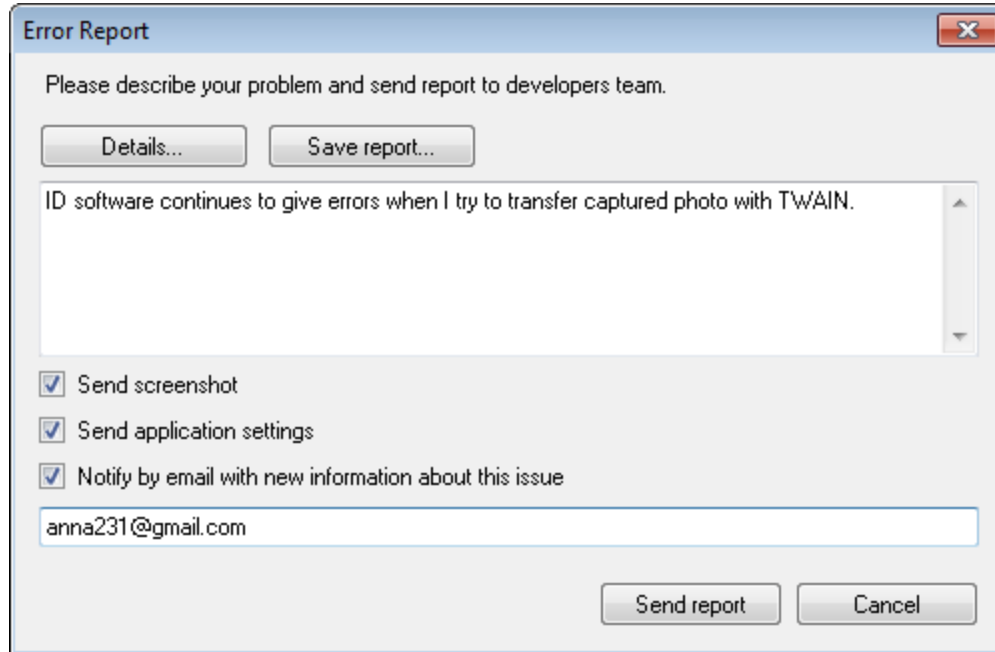
## Send an Error Report

If you experience a problem with **inPhoto ID Webcam**, you can send a report to the developers. The report contains the data in the application state it was when there was the problem.

To send an error report to the developers, please access main menu  > **Send Error Report**.



In the opened form, please fill in the fields. They are described further.



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 support service: <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/](http://idphotocapture.com/support_links/)
3. Write an e-mail to the developers to the address: [support@idphotocapture.com](mailto:support@idphotocapture.com)

The contents of the section are as follows:

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

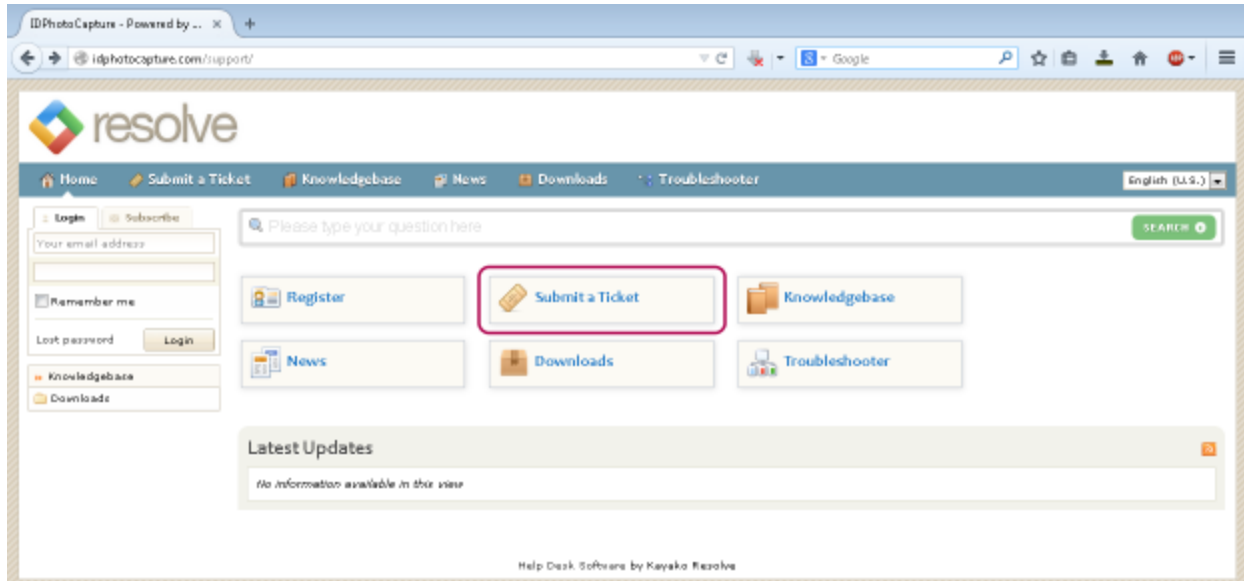
[Registration in the support system](#)

[Requests created](#)

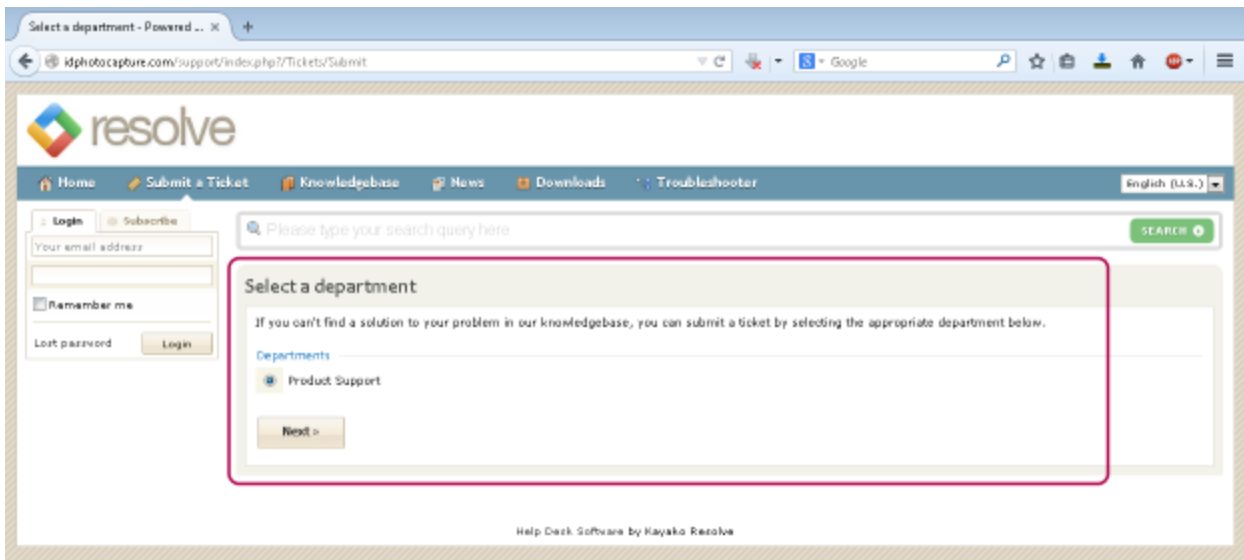
## Creating a Request in the Support System

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

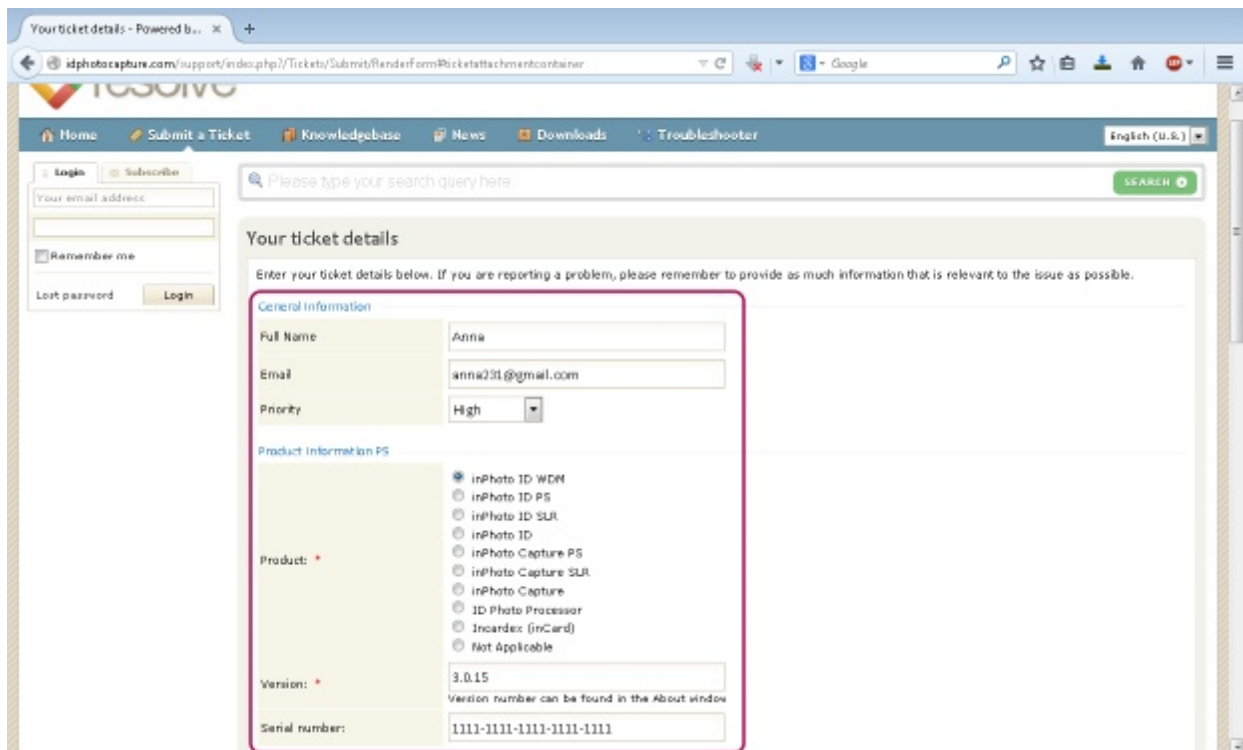
**Priority** — select request priority level

**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**.



Your ticket details - Powered by...  
idphotocapture.com/support/index.php/Tickets/SubmitRenderFormTicketAttachementContainer

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

Login Subscribe  
Your email address  
Remember me  
Lost password Login

Please type your search query here SEARCH

**Your ticket details**  
Enter your ticket details below. If you are reporting a problem, please remember to provide as much information that is relevant to the issue as possible.

**General Information**

Full Name: Anna  
Email: anna231@gmail.com  
Priority: High

**Product Information PS**

Product: \*  
inPhoto ID Webcam  
inPhoto ID PS  
inPhoto ID SLR  
inPhoto ID  
inPhoto Capture PS  
inPhoto Capture SLR  
inPhoto Capture  
ID Photo Processor  
Incacard (inCard)  
Not Applicable

Version: \*  
3.0.15  
Version number can be found in the About window

Serial number: 1111-1111-1111-1111-1111



**Operation System** — choose the operation system of the PC **inPhoto ID Webcam** 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 **inPhoto ID Webcam**, 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.

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/RenderFormTicketAttachmentContainer

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) [Add File]

foto.jpg

Submit

Help Desk Software by Kayako Resolve

After that, the request will be accepted.

Your request has been received

We have received your request and will get back to you with further details shortly. You can login to the support center or check your mailbox for further updates.

General Information

Ticket ID: #MYW-306-80032

Full Name: Anna

Email: anna231@gmail.com

Subject: Captured photo with TWAIN

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

Help Desk Software by Kayako Resolve

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 TWA\N  
**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?>

After you have received a letter that your request has been received, please wait for response from our support service specialists.

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

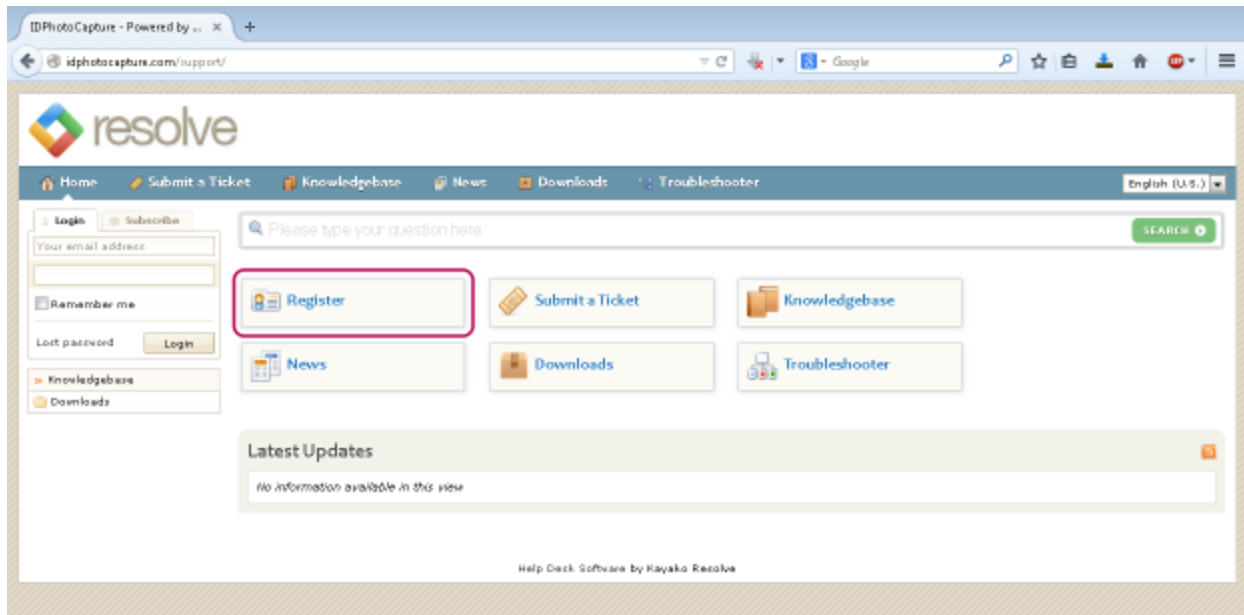
Ticket Details

**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**.

**Create a new account**

Please fill in the fields below to register for a new account. Once registered, you may need to validate your email address to fully enable your account.

**General information**

Full Name: Anna

Email: anna231@gmail.com

Password: \*\*\*\*\*

Password (repeat): \*\*\*\*\*

**Contact information**

Company: Document Center

Title: Administrative officer

Address: 3541, Mission Viejo

City: San Francisco

State: California

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 ☐ Microscopy ☐ Other

If Other, please specify:

**Verify Registration**

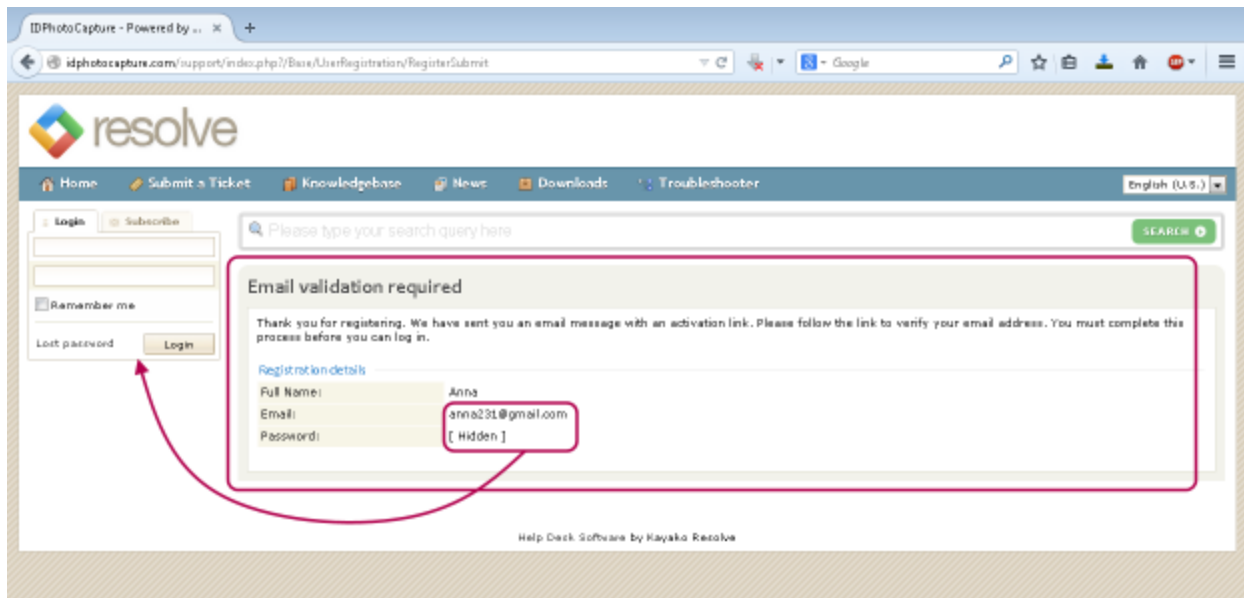
Please enter the text you see in the image into the textbox below. This is required to prevent automated registrations and form submissions.

1fnjm 1fnjm

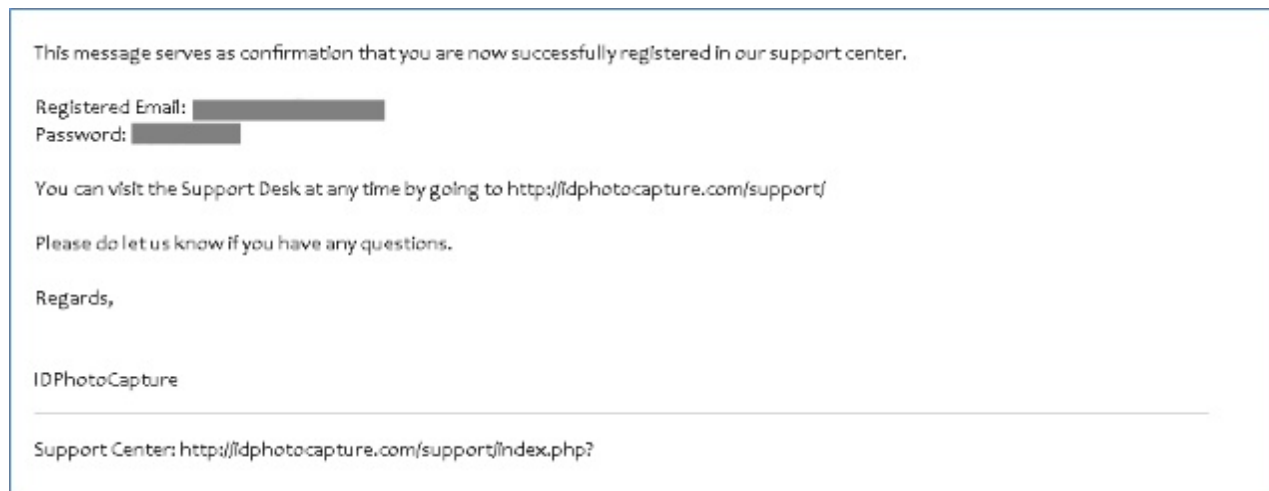
**Sign Up**

Help Desk Software by Kayako Resolve

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



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



## 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.

The screenshot shows the Resolve support system interface. The top navigation bar includes links for Home, View Tickets, Submit a Ticket (highlighted with a red box), Knowledgebase, News, Downloads, and Troubleshooter. A search bar is located below the navigation bar. The main content area is titled 'View Tickets' and displays a table of tickets. The table has columns for Ticket ID, Last Update, Last Replier, Department, Type, Status, and Priority. One ticket is listed with the title 'Captured photo with TWAIN'.

Ticket ID	Last Update	Last Replier	Department	Type	Status	Priority
<b>Captured photo with TWAIN</b>						
NYW-306-80832	23 September 2014 05:13 AM	Anna	Product Support	Issue	Open	High

Help Desk Software by Kayako Resolve

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.

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 TWA/N

**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

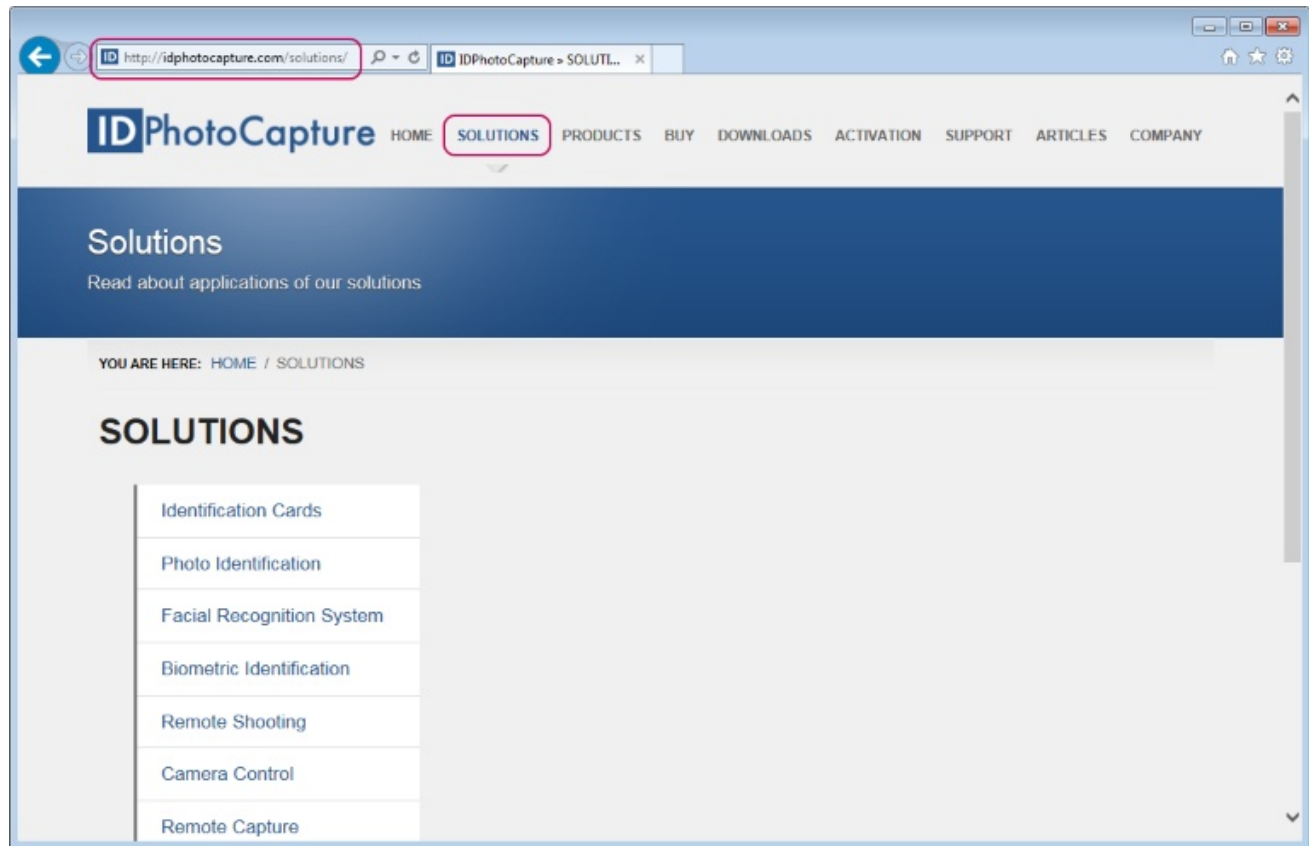
---

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



# Useful Information

Additional information that can be useful when working with identification photos as well as answers to frequently asked questions can be found on our website in the **Solutions** menu by following this link: <http://idphotocapture.com/solutions/>.



We recommend the users of **inPhoto ID Webcam** 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.

### **Remote Shooting**

The article describes how the Remote Shooting process is organized. In addition, you can read here about application of the Remote Shooting option in such cases as Identification Photo, Studio Photography, Microscopy, Hard-to-access places, Light-box Shooting, Jewelry Photography, Astrophotography and Copy Stand and Macro Imaging.

### **Camera Control**

This article describes remote control of a digital camera from a PC. We also describe here such camera options as Shooting mode, Image format, Zoom, White balance, ISO value, Focus mode, Flash mode and Flash compensation.

### **Webcamera Still Image Capture**

This article is about creation of identification photos using webcam.

# Conclusion

We hope that working with **inPhoto ID Webcam** will be comfortable and productive for you.

Please contacts us if:

- you experience problems with the **inPhoto ID Webcam** 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](mailto:info@idphotocapture.com)

<http://idphotocapture.com>