

Basler blaze-101

```
// Create an instant camera object with the first camera ID
Camera_t camera( CTIFactory::GetInstance().CreateCamera(1));

// Register an image event handler that accesses the camera
camera.RegisterImageEventHandler(new CSampleImageEventHandler(Ownership_TakeOwnership));

// Open the camera.
camera.Open();
```

USING THE SOFTWARE UPDATE TOOL

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Introduction

This document tells you how to update the firmware of your Basler blaze-101 camera using Basler's web-based software update tool.

To update your camera, an **.swu** file is required. This can be downloaded from the following site:

<https://www.baslerweb.com/baslermedia/blaze-getting-started/Firmware>

Use the following login credentials:

User name: blaze

Password: b4sl3ersw

Updating the Firmware



If you're using a host software version before 1.0.13.0, you have to update the host software at some stage of the firmware update process as older versions won't discover the camera anymore after the firmware has been updated.

Updating the host software has the additional benefit that from version 1.0.13.0 onwards, the blaze IP Configurator is included which is a useful tool for configuring the IP address of your camera.

The following update procedure includes updating the host software.

To update the firmware:

1. Determine your camera's IP address.

Check the **Gev Current IP Address** parameter in the blaze Viewer or the blaze IP Configurator, if you don't know the IP address of your camera. You can use the search feature in the blaze Viewer to quickly find the parameter.



Check which IP configuration method you're using. The firmware update involves a restart of the camera, and if the camera's IP address changes during the restart, e.g., because the IP configuration method is Auto IP (LLA), the software update tool can't re-discover the camera even though the firmware has been updated successfully.

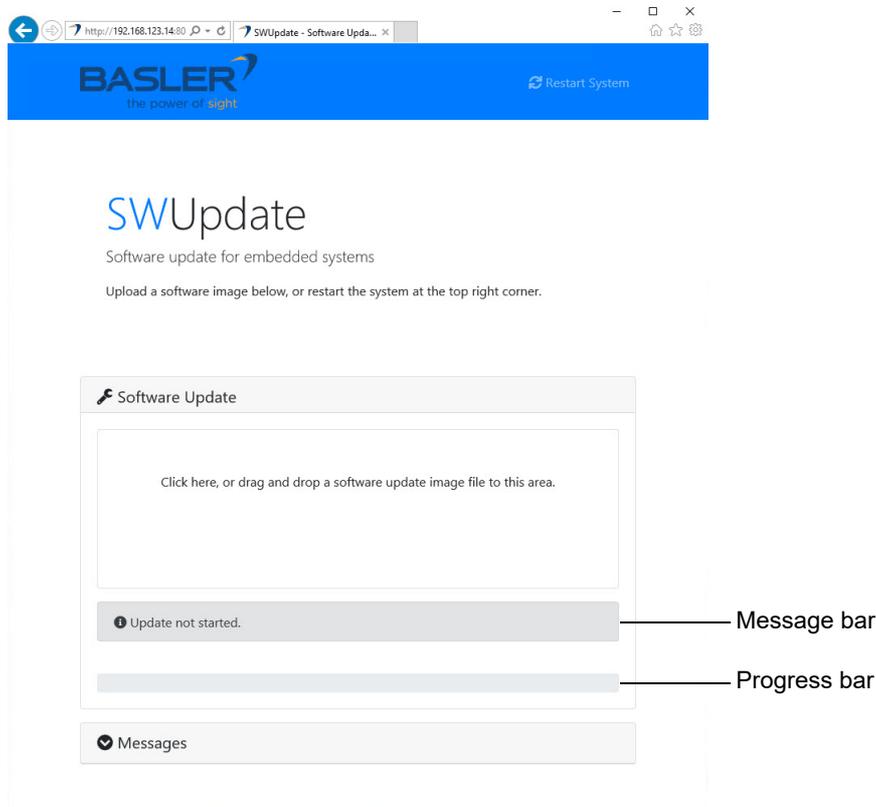
For more information, see the "[Troubleshooting](#)" section.

2. If your host software version is older than 1.0.13.0, update the host software now as older versions can't discover the camera anymore after the firmware has been updated.
3. Close the blaze Viewer or other applications currently accessing the camera before proceeding with the firmware update.

4. Open the software update tool by typing the following in your web browser's address bar:

`http://<ip-address>:8080`

The software update tool opens.



5. Click in the **Software Update** area of the tool to select the update file.

Alternatively, you can use drag and drop to select the update file. The update process starts immediately and completes automatically if no errors occur.

During the update process, the camera first verifies that the update file is suitable for the camera. Then, the new firmware is installed, and afterwards the camera is restarted. Note that restarting the camera can take up to a minute.

The progress and result of the update are shown in the message and progress bars of the tool.

If the update was successful, the software update tool looks the same as before (see screenshot above). All camera settings will have been reset to default values.

If the update fails, the original firmware on the camera remains unchanged.

Troubleshooting

Progress Bar Stays Yellow

This means that the update couldn't be completed for some reason. If this happens, click **Restart System** in the top right-hand corner of the tool. This will restart the camera and allow you to start the update again.

Restart of the Camera Fails to Complete

If the message that the camera is being restarted, doesn't close by itself after more than about a minute, it means that the IP address of the camera has changed during the update, e.g., because the IP configuration method is Auto IP (LLA). If this happens, the tool can't discover the camera anymore even though the firmware update itself was successful.

If the restart message doesn't close by itself, close the browser window and verify that the firmware has been updated correctly by checking the **Device Firmware Version** parameter in the blaze Viewer. (You can use the search feature in the blaze Viewer to quickly find the parameter.) If the expected version number is shown there, no further action is required.

Using a static IP address or a DHCP server avoids this problem.

Revision History

Doc. ID Number	Date	Changes
AW00159401000	16 Jan 2020	Initial release of this document.