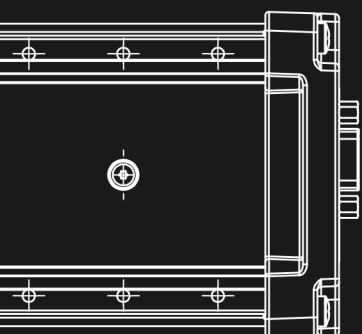
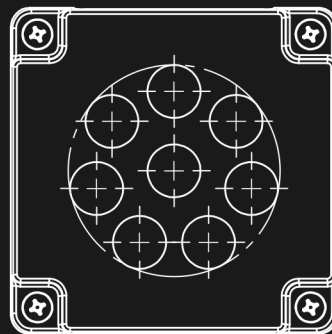
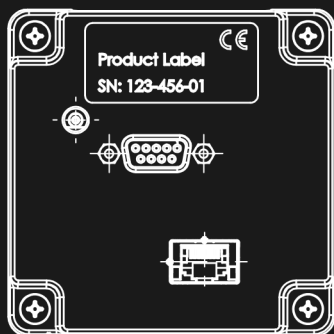
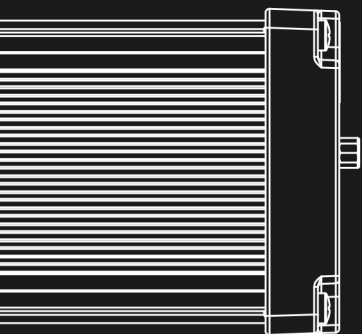
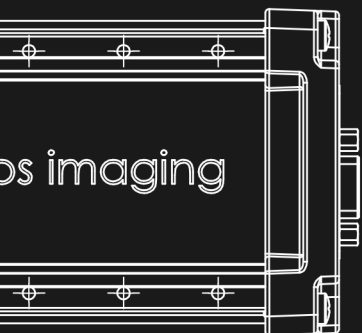




**Odos Imaging**

## **StarForm Swift™ Firmware Update Quickstart**

Version 0.2.0, September 3, 2018



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## 1 Contact

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Note

### **Technical Information:**

<http://www.odos-imaging.com>

### **Support:**

[support@odos-imaging.com](mailto:support@odos-imaging.com)

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## 2 Introduction

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This guide provides a step-by-step guide to allow user update of a StarForm Swift™ 3D camera with an in-field update using a simple Windows based GUI programme.

### 2.1 Styles and Convention

This manual uses certain typographical conventions in order to maintain an easily accessible and consistent layout. The styles contained in Table 2.1 and symbols noted below are used throughout the manual.

Table 2.1: Description of typographical styles used throughout this manual.

| Style    | Function                                    | Example                           |
|----------|---|-----------------------------------|
| Bold     | important information, key words, headings, | <b>Bold</b>                       |
| Emphasis | GenICam™ features                           | <b>AcquisitionComponentEnable</b> |
| Italic   | filenames                                   | <i>helpfile.pdf</i>               |
| Monotype | code  | <code>perl -00 -pe ''</code>      |



Note

This symbol highlights important information to note.



Caution

Use of the **CAUTION** heading throughout this manual explains risks that are potentially harmful to either the product or personnel. These sections should always be read carefully and understood.

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## 3 Install New StarForm Swift™ Firmware

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The SwiftUpdater.exe installs the contents of a selected swift file to a StarForm Swift™ 3D camera. These files generally contain firmware updates or other improvements to camera operation. The steps below outline the operation of the SwiftUpdater.exe , which can be simply downloaded from [www.odos-imaging.com](http://www.odos-imaging.com).



Note

**For more information please contact [support@odos-imaging.com](mailto:support@odos-imaging.com)**



Caution

**If the installation of a firmware update is interrupted it is possible to leave the camera in a non-working state. Please ensure that the camera power supply is stable during the update procedure.**

1. **Select File to Upload.** On startup SwiftUpdater.exe will ask for the .swift file to upload. The **File Open** dialog shows the text label from the selected .swift file (the user can choose to rename the file).
2. **Select Camera.** The next dialog allows the user to select the StarForm Swift™ camera for update. The dialog shows the list of detected StarForm Swift™ cameras on the current network and also allows the user to enter an IP address manually (e.g. when the internal firmware is not running on the StarForm Swift™ camera such that it cannot be found in the list, for example if power has been interrupted during update).
3. **Enter Update Key.** The next dialog asks for the camera specific update key. This key is provided on a per customer basis by Odos Imaging . Please contact [support@odos-imaging.com](mailto:support@odos-imaging.com) if additional keys or support are required.

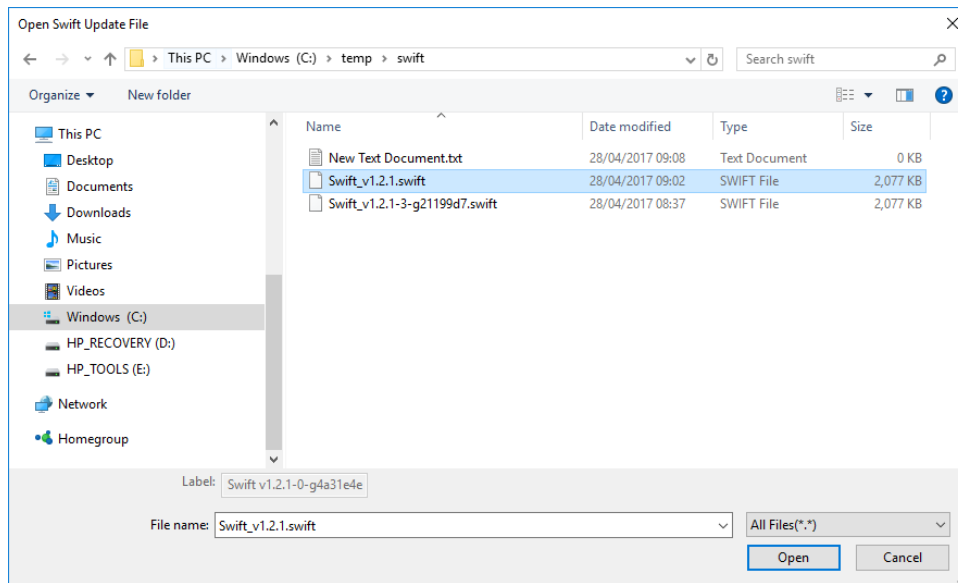


Figure 3.1: Step 1. Valid *.swift* selected showing label.

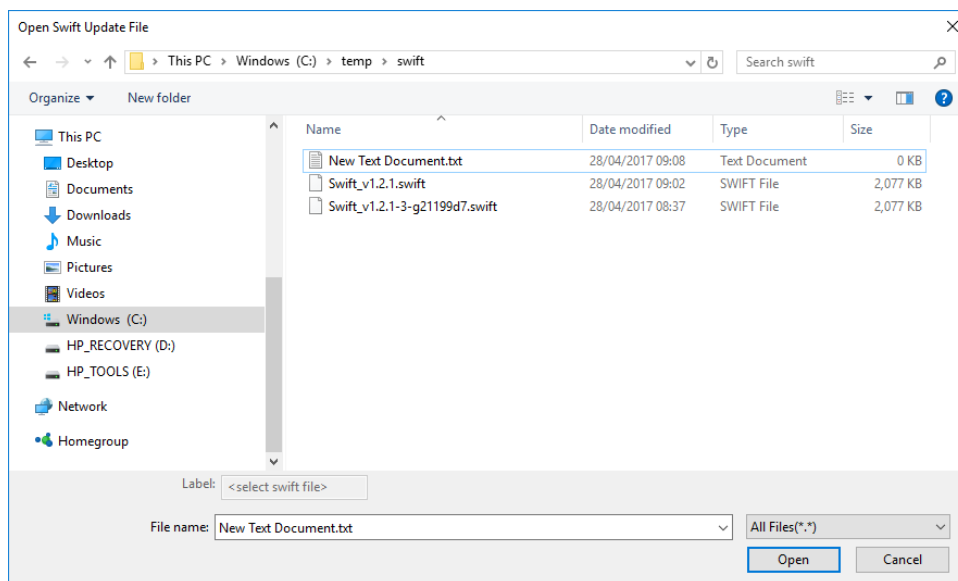


Figure 3.2: Step 1. No valid *.swift* selected.

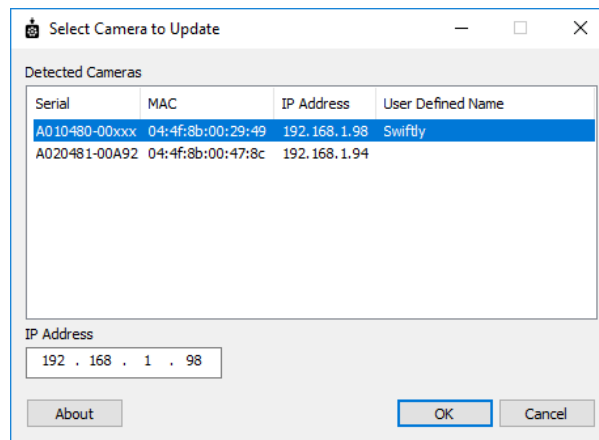


Figure 3.3: Step 2. Select the appropriate StarForm Swift™ camera for firmware update by IP address.

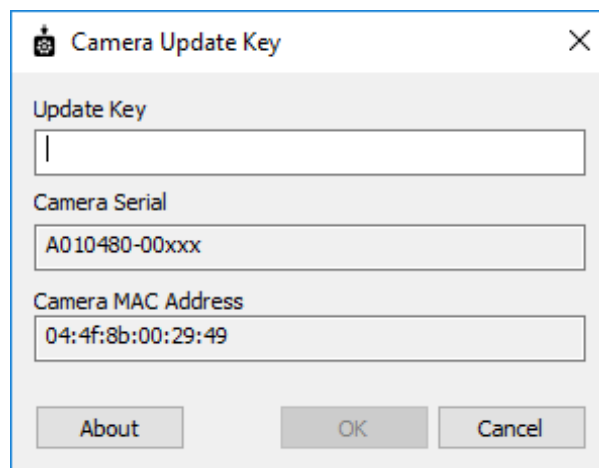


Figure 3.4: Step 3. Enter the update key as provided by Odos Imaging .



4. **Upload.** The next dialog is the upload dialog. This uploads the *.swift* file, for installation on the camera. If the upload key is incorrect an error dialog is displayed and the **Details** text shows the update key was rejected. If the upload key is correct the file is uploaded and then installed on the camera. The **Details** text will update with progress eventually showing that the install was successful.

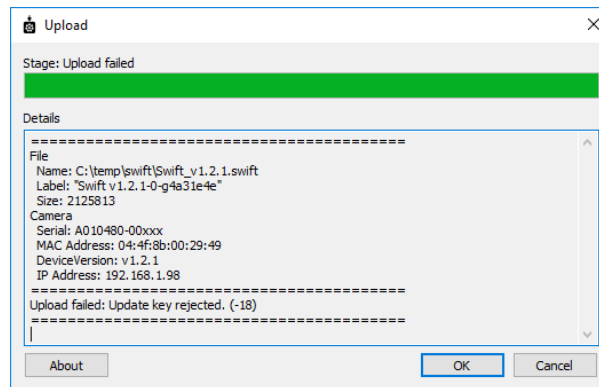


Figure 3.5: Step 4. Example of SwiftUpdater.exe output after entry of an incorrect or invalid update key.



Note

The dialog can only be cancelled during the upload stage as the install must run to completion otherwise the camera may be left in a non-operational state.

5. **Camera Restart.** During the firmware update, the internal firmware within the StarForm Swift™ camera is stopped. After the install has successfully completed the camera should be restarted (power-cycle) in order to start the new camera software.



Note

It is important to power-cycle the StarForm Swift™ camera after the installation process has been successfully completed.

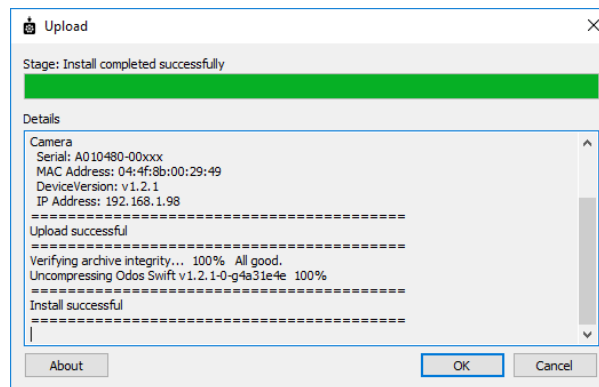


Figure 3.6: Step 4. Output from SwiftUpdater.exe on successful installation of updated firmware.

6. **File Download.** Some *.swift* files may produce files from the camera. For example log files to be sent back to Odos Imaging for debug purposes. When these *.swift* files are opened the SwiftUpdater.exe will indicate if the user wishes to save the output. Should the user answers **Yes** then a file **Save as...** dialog will be shown.

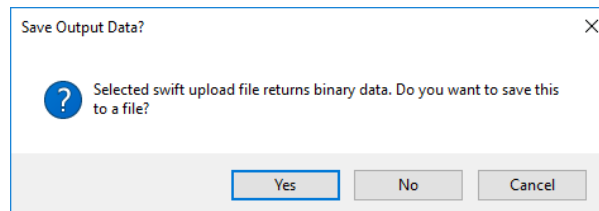


Figure 3.7: Optionally save the installation binary data for record and support requests.

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## 4 Document History

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| Date       | Version | Changelog   |
|------------|---------|---|
| 19.05.2017 | 0.1.0   | First Release   |
| 03.09.2018 | 0.2.0   | Updated for Odos Imaging, A Rockwell Automation Company |

Manual Build: 3f0c8d15b6bea72e1cd5679de4276ad971725bfa