

# FS/VS Smart Camera



**ZEBRA**

## Firmware Update User Guide

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# About This Document

This document describes the requirements and the procedure to perform a firmware update and factory reset of the FS/VS Smart Camera.



**IMPORTANT:** If you have a problem with your equipment, contact Zebra Global Customer Support for your region. Contact information is available at: [zebra.com/support](https://zebra.com/support).

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- Serial number of the unit
- Model number or product name
- Software/firmware type or version number

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# Firmware Update

To prepare for the firmware update procedure, the device must be connected to a Windows 10 Desktop or a laptop with an available USB port. The USB connection provides power and communications to the device. For additional details on setting up the device, refer to the FS/VS Smart Camera Product Reference Guide.

Software Needed:

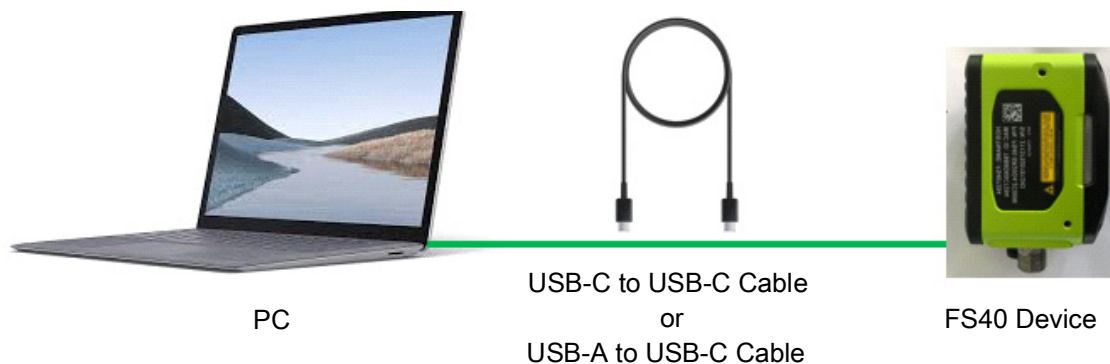
- Web Browser (Google Chrome, Mozilla Firefox or equivalent)
- Firmware file on the local PC

## USB-A to USB-C Hardware Setup

Hardware Needed:

- Windows 10 PC with USB-A or USB-C port
- USB-A to USB-C cable, Zebra P/N: CBL-USB0200-USA00 or
- USB-C to USB-C cable, Zebra P/N: CBL-USB0200-USC00

**Figure 1** Hardware Setup



## Firmware Update

To perform a firmware update on the FS/VS Smart Camera, follow the steps below.

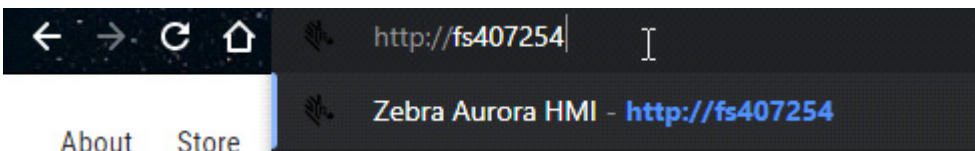
1. Connect the FS/VS Smart Camera to a laptop via the USB cable. Listen for the beep sequence to know when the device is booted (approximately 45 seconds).
2. Locate the hostname of the device on the device label.

**Figure 2** Device Label



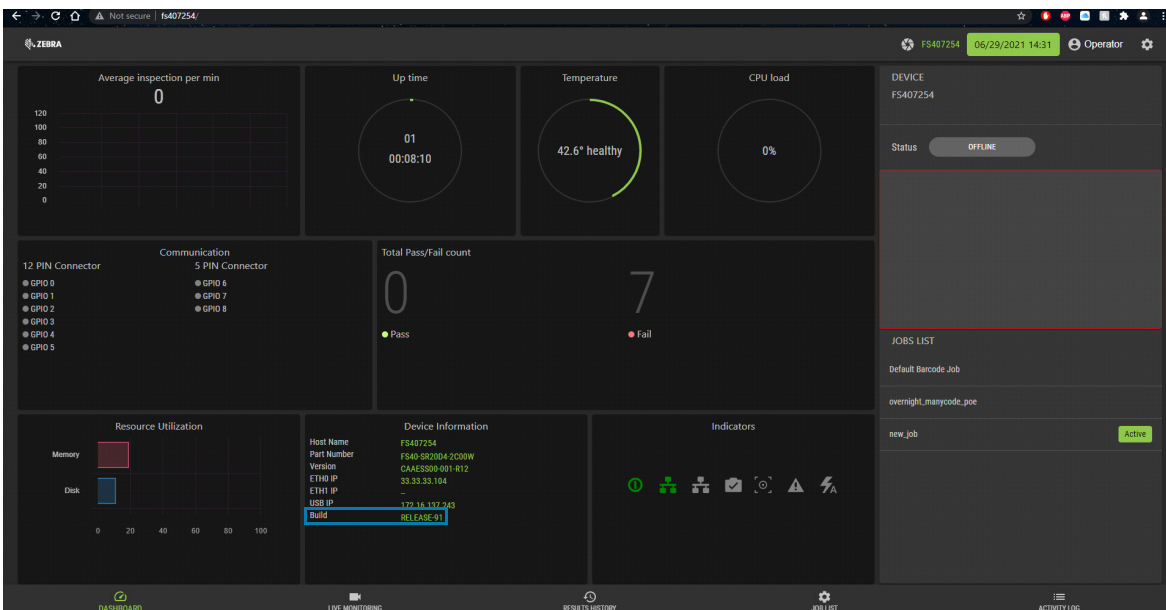
3. Open a browser window and enter the following into the address bar:
  - a. `http://<HOSTNAME>`
  - b. Press **ENTER** to access the Web HMI.

**Figure 3** Browser Window



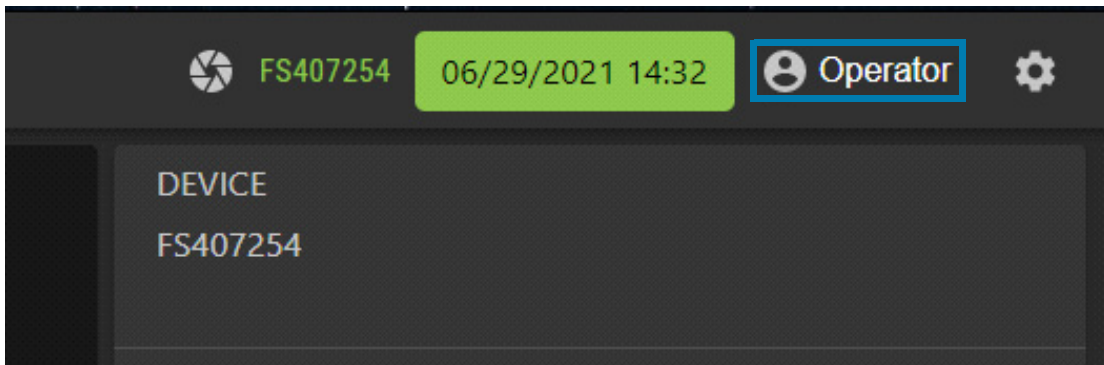
4. View the Zebra Aurora Web Human Machine Interface (HMI) and note the build number RELEASE-xx (where xx is the build number) in the Device Information section of the dashboard.

**Figure 4** Web HMI



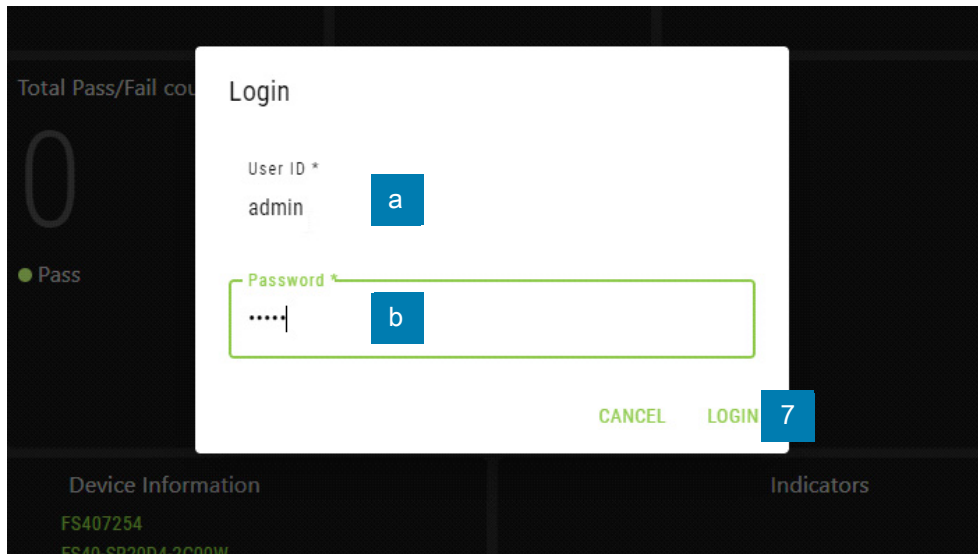
5. Click the **Operator** button to launch the login window.

**Figure 5** Operator Button



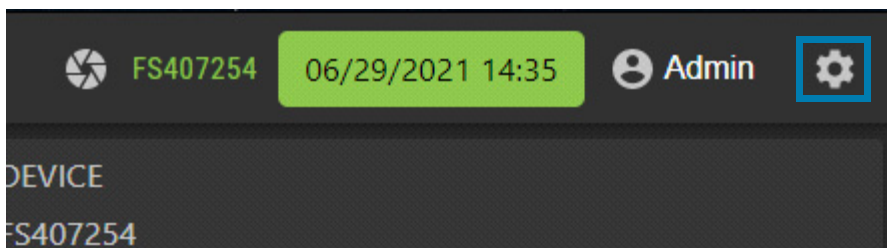
6. Enter the following login credentials:
  - a. **User ID** field: admin
  - b. **Password** field: admin
7. Click Login and observe the **Operator** now displays as **admin**.

**Figure 6** Login Window



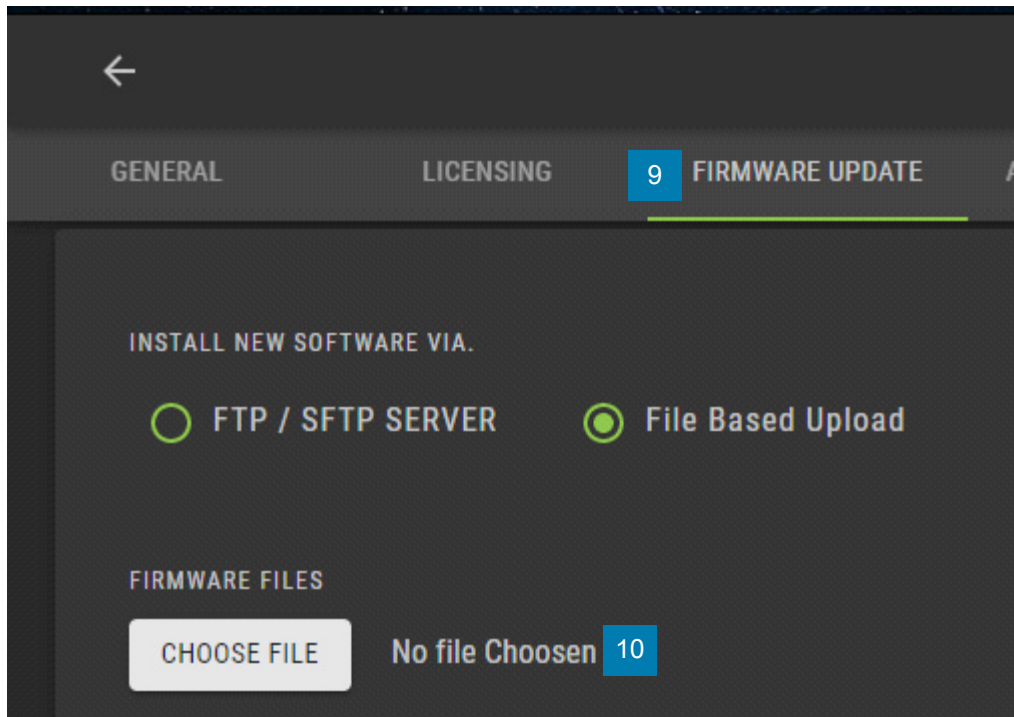
8. Click the Gear Icon.

**Figure 7** Gear Icon



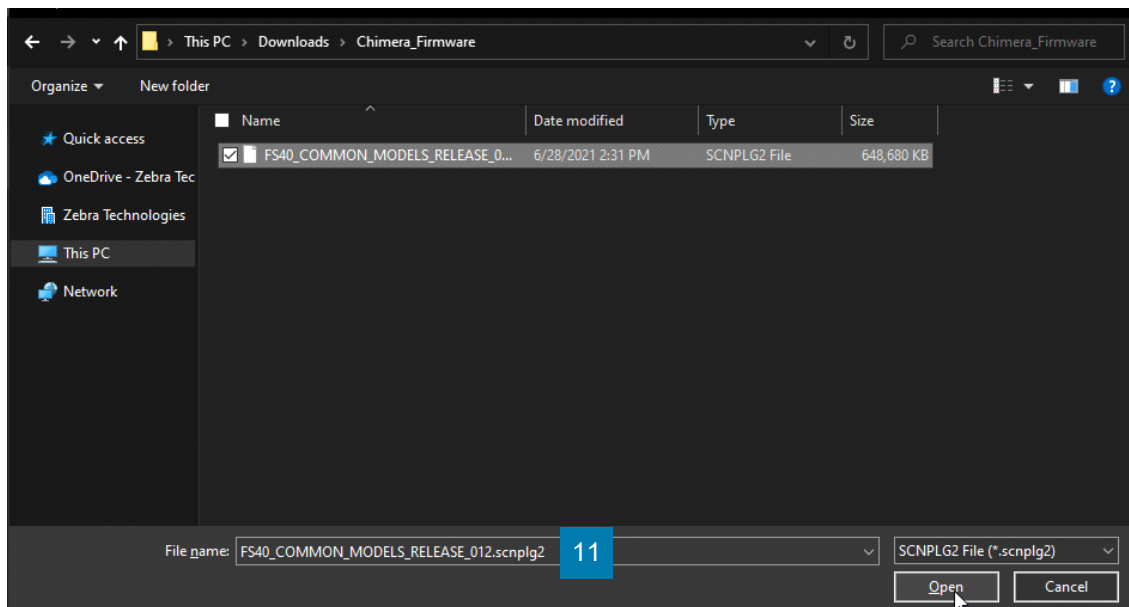
9. Click the Firmware Update Tab.
10. Click the Choose File button.

**Figure 8** Choose Firmware File



11. Navigate to the location of the file stored on the local PC and double-click to select the latest firmware file and click **Open**.

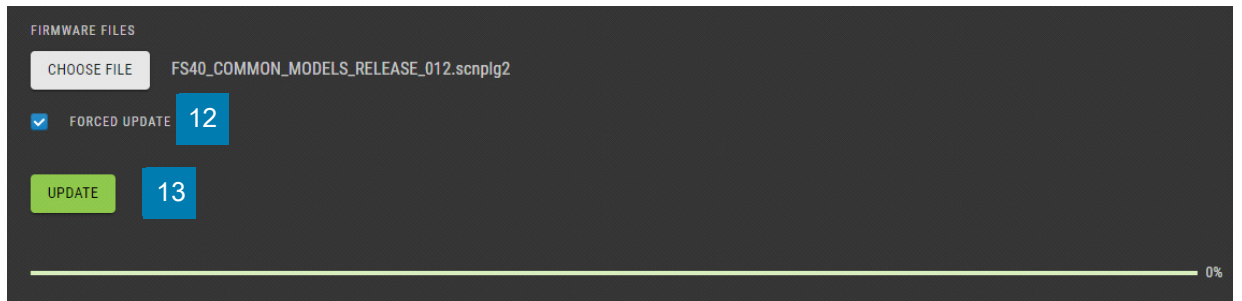
**Figure 9** Firmware File .scnplg2



12. Check the box for **Forced Update**.

13. Click **Update**.

**Figure 10** Forced Firmware Update



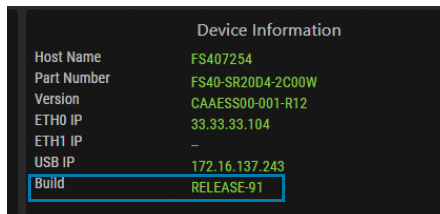
The screenshot shows a web interface for firmware updates. At the top, it says "FIRMWARE FILES". Below this, there is a "CHOOSE FILE" button and a file name "FS40\_COMMON\_MODELS\_RELEASE\_012.scnplg2". A checkbox labeled "FORCED UPDATE" is checked, with a blue box containing the number "12" next to it. Below the checkbox is a green "UPDATE" button with a blue box containing the number "13" next to it. At the bottom, there is a progress bar that is currently at 0%.



**NOTE:** Upload progress is shown on the screen when the file is uploaded and the device's 360° LED begins to blink red. Once complete, the device reboots.

14. Refresh the browser window and view the build number in the device information field to confirm that it updated from the previous version.

**Figure 11** Build Number



The screenshot shows a web interface for device information. It has a table with two columns: "Host Name" and "Device Information". The "Host Name" column contains the following values: "FS407254", "FS40-SR20D4-2C00W", "CAAESS00-001-R12", "33.33.33.104", "-", "172.16.137.243", and "RELEASE-91". The "Device Information" column contains the following values: "FS407254", "FS40-SR20D4-2C00W", "CAAESS00-001-R12", "33.33.33.104", "-", "172.16.137.243", and "RELEASE-91". The "Build" field is highlighted with a blue box.

Host Name	Device Information
FS407254	FS407254
Part Number	FS40-SR20D4-2C00W
Version	CAAESS00-001-R12
ETH0 IP	33.33.33.104
ETH1 IP	-
USB IP	172.16.137.243
Build	RELEASE-91



## Performing a Factory Reset

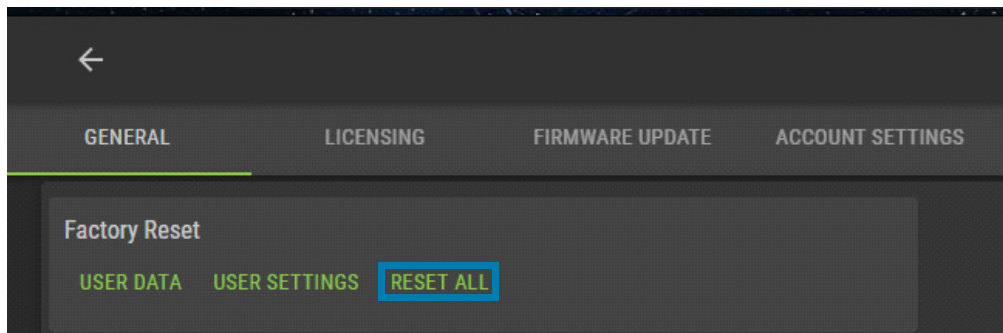
It is necessary to perform a factory reset on the device after installing a firmware update.



**NOTE:** A factory reset deletes all created Jobs on the camera. It is critical to save all Jobs and user-specific information prior to performing the factory reset.

1. Click the **Operator** logo to launch the login window.
2. Type the user ID (admin) in the **User ID** field
3. Type the password (admin) in the **Password** field.
4. Click **Login**.
5. Click the gear icon.
6. Click the **RESET ALL** button in the Factory Reset field.

**Figure 12** Factory Reset



7. Wait for the device to reboot (approximately 45 seconds).

