



## *SilkyEvCam*

# FW/Plugin Update procedure Feb.2021

ubuntu :P.2~P.5  
windows :P.6~P.9

Dated: 2021/2/17 Rev.2

Home Page <http://www.centuryarks.com/>

SilkyEvCam Updater Pack 2021/02/17

For ubuntu

## File name : SilkyEvCamUpdaterPack\_ubuntu\_20210122.zip

It includes,

- readme.txt
- SilkyEvCam plugin installer v2.3.0(SilkyEvCam\_G31\_Installer\_for\_ubuntu\_v2.3.0.zip)
- SilkyEvCam FW updater v2.1.4(SilkyEvCam\_FW\_Updater\_for\_ubuntu\_v2.1.4.zip)
- SilkyEvCam FPGA updater v4.1.1(SilkyEvCam\_FPGA\_Updater\_for\_ubuntu\_v4.1.1.zip)

Update procedure. Follow the steps below.

Step1. SilkyEvCam plugin installer v2.3.0

Step2. SilkyEvCam FW updater v2.1.4

Step3. SilkyEvCam FPGA updater v4.1.1

### Compliance items

- Perform all 3 steps.
- Please execute the process with the AC power supply connected to the PC.
- While the program is running (while writing the firmware), do not unplug the SilkyEvCam USB plug or stop the power supply.

The detailed procedure is described on the following pages.

## Step1. SilkyEvCam plugin installer v2.3.0

There is no need to connect the camera to your PC.

Please the following processing on the terminal of the PC.

```
$> unzip SilkyEvCam_G31_Installer_for_ubuntu_v2.3.0.zip [Enter]
$> cd SilkyEvCam_G31_Installer_for_ubuntu_v2.3.0 [Enter]
$> chmod +x CA_Silky_installer.sh [Enter]
$> ./CA_Silky_installer.sh [Enter]
```

## Step2. SilkyEvCam FW updater v2.1.4

Please the following processing on the terminal of the PC.

```
$> unzip SilkyEvCam_FW_Updater_for_ubuntu_v2.1.4.zip [Enter]
$> cd SilkyEvCam_FW_Updater_for_ubuntu_v2.1.4 [Enter]
$> chmod +x SilkyEvCam_FW_Updater.sh [Enter]
```

Connect the camera and PC with a USB cable.

Please the following processing on the terminal of the PC.

```
$> ./SilkyEvCam_FW_Updater.sh [Enter]
```

After the command prompt returns, unplug the camera's USB plug.

## Step3. SilkyEvCam FPGA updater v4.1.1

Please the following processing on the terminal of the PC.

```
$> unzip SilkyEvCam_FPGA_Updater_for_ubuntu_v4.1.1.zip [Enter]
$> cd SilkyEvCam_FPGA_Updater_for_ubuntu_v4.1.1 [Enter]
$> chmod +x SilkyEvCam_FPGA_Updater.sh [Enter]
```

Connect the camera and PC with a USB cable.

Please the following processing on the terminal of the PC.

```
$> ./SilkyEvCam_FPGA_Updater.sh [Enter]
```

After the command prompt returns, unplug the camera's USB plug.

For ubuntu

The procedure for displaying the device information of SilkyEvCam is as follows.

Connect the camera and PC with a USB cable.

Please the following processing on the terminal of the PC.

\$> silkyevcam\_platform\_info [Enter]

Make sure that the information in the red frame is the same as in this example.

```

centuryarks2@PHE-CA2: ~/Prophesee/temp/SilkyEvCamUpdaterPack_20210119/SilkyEvCa...
File Edit View Search Terminal Help
metavision-sdk-ui          2.1.0    amd64    Metavision SDK UI li
brary.

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METAVISION SYSTEMS INFORMATION
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#### SYSTEMS AVAILABLE ####
# FOUND GEN 3.1 VGA #

Connection                USB
FW Build Date             Fri Jan 15 17:26:36 2021
FW Release Version        2.1.4
Manufacturer              CenturyArks
Raw Formats               EVT3
Sensor Info               3.1
Serial                    #####
System Build Date         Sat Dec 19 02:49:38 2020
System Version            4.1.1
System Version Control ID 0x0
SystemID                  40

DEFAULT BIASES
bias_diff                 299
bias_diff_off             221
bias_diff_on              384
bias_fo                   1477
bias_hpf                  1499
bias_pr                   1250
bias_refr                 1500

#### SYSTEM'S USB PORTS ####
USB Port type used:       3.00

centuryarks2@PHE-CA2:~/Prophesee/temp/SilkyEvCamUpdaterPack_20210119/SilkyEvCam_
G31_Installer_for_ubuntu_v2.3.0/resources$

```

The update of FW / Plugin is finished.

SilkyEvCam Updater Pack 2021/02/17

## Notifications

SilkyEvCam firmware and plug-ins may be revised in the future to improve the product. The revision status will be published on the product site, so please refer to it as appropriate.

CenturyArcs product site\*

<https://www.centuryarks.com/en/products/silkyevcam>

### Event Based Vision Camera

SilkyEvCam

Event Based Vision Camera  
*CenturyArks Co., Ltd.*

EvC3A  
EvC3A-TK1

## SilkyEvCam<sup>\*</sup>

powered by PROPHESEE

- ◆ Wide Dynamic Range
- ◆ Less Data
- ◆ Low Power
- ◆ Small Size
- ◆ VGA(640 x 480)
- ◆ USB Type-C™ interface



\* Trademark Application Pending

✓ Event Based Vision Camera

SilkyEvCam Updater Pack 2021/02/17

For win64

## **File name : SilkyEvCamUpdaterPack\_win64\_20210122.zip**

It includes,

- readme.txt
- SilkyEvCam plugin installer v2.3.0(SilkyEvCam\_G31\_Installer\_for\_win64\_v2.3.0.exe)
- SilkyEvCam FW updater v2.1.4(SilkyEvCam\_FW\_Updater\_for\_win64\_v2.1.4.zip)
- SilkyEvCam FPGA updater v4.1.1(SilkyEvCam\_FPGA\_Updater\_for\_win64\_v4.1.1.zip)

Update procedure. Follow the steps below.

Step1. SilkyEvCam plugin installer v2.3.0

Step2. SilkyEvCam FW updater v2.1.4

Step3. SilkyEvCam FPGA updater v4.1.1

### **Compliance items**

- Perform all 3 steps.
- Please execute the process with the AC power supply connected to the PC.
- While the program is running (while writing the firmware), do not unplug the SilkyEvCam USB plug or stop the power supply.

The detailed procedure is described on the following pages.

## SilkyEvCam Updater Pack 2021/02/17

For win64

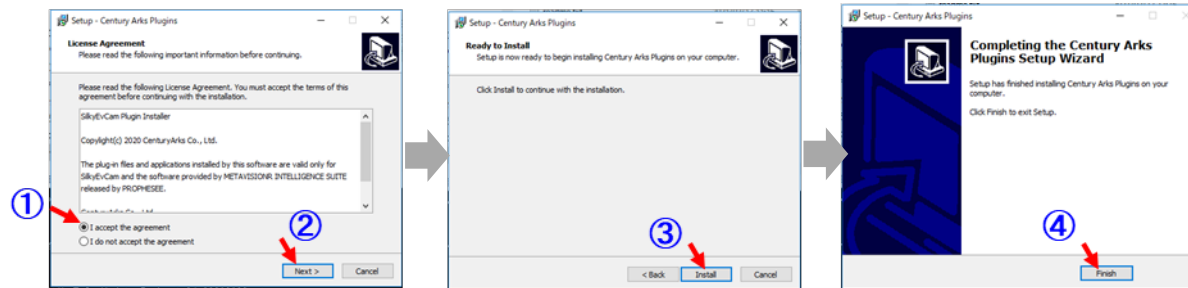
### Step1. SilkyEvCam plugin installer v2.3.0

There is no need to connect the camera to your PC.

Please the following processing on the command prompt of the PC.

```
$> SilkyEvCam_G31_Installer_for_win64_v2.3.0.exe [Enter]
```

Please click ①②③④ on the pop-up window below.



### Step2. SilkyEvCam FW updater v2.1.4

Decompress the SilkyEvCam\_FW\_Updater\_for\_win64\_v2.1.4.zip

Please the following processing on the command prompt of the PC.

```
$> cd SilkyEvCam_FW_Updater_for_win64_v2.1.4 [Enter]
```

Connect the camera and PC with a USB cable.

Please the following processing on the command prompt of the PC.

```
$> SilkyEvCam_FW_Updater.bat [Enter]
```

After processing, please unplug the camera to reset it.

### Step3. SilkyEvCam FPGA updater v4.1.1

Decompress the SilkyEvCam\_FPGA\_Updater\_for\_win64\_v4.1.1.zip

Please the following processing on the command prompt of the PC.

```
$> cd SilkyEvCam_FPGA_Updater_for_win64_v4.1.1 [Enter]
```

Connect the camera and PC with a USB cable.

Please the following processing on the command prompt of the PC.

```
$> SilkyEvCam_FPGA_Updater.bat [Enter]
```

After processing, please unplug the camera to reset it.

The procedure for displaying the device information of SilkyEvCam is as follows.

Connect the camera and PC with a USB cable.

Please the following processing on the command prompt of the PC.

\$> silkyevcam\_platform\_info.exe [Enter]

It is recommended to add “c:\Program Files\CenturyArks\bin” to the user environment variable Path to facilitate execution of silkyevcam\_platform\_info.exe.

Make sure that the information in the red frame is the same as in this example.

```

c:\Program Files\CenturyArks\bin>silkyevcam_platform_info.exe

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METAVISION SOFTWARE INFORMATION
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#### INSTALLED SOFTWARE ####

Version:                2.1.0.2026617
Id:                     e016295c1f656099fae200929720954ace46f4da

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METAVISION SYSTEMS INFORMATION
-----

#### SYSTEMS AVAILABLE ####

# FOUND GEN 3.1 VGA #

Connection              USB
FW Build Date           Fri Jan 15 17:26:36 2021
FW Release Version      2.1.4
Manufacturer            CenturyArks
Raw Formats             EVT3
Sensor Info             3.1
Serial                  00000000000000007
System Build Date       Sat Dec 19 02:49:38 2020
System Version          4.1.1
System Version Control ID 0x0
SystemID                40

DEFAULT BIASES
bias_diff               299
bias_diff_off           221
bias_diff_on            384
bias_fo                 1477
bias_hpf                1499
bias_pr                 1250
bias_refr               1500

c:\Program Files\CenturyArks\bin>

```

The update of FW / Plugin is finished.



SilkyEvCam Updater Pack 2021/02/17

## Notifications

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\* Trademark Application Pending

**✓Event Based Vision Camera**