

# Specim hardware installation guide

For camera problem check troubleshooting section or contact [support@specim.fi](mailto:support@specim.fi)

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## Lumo SDK installation

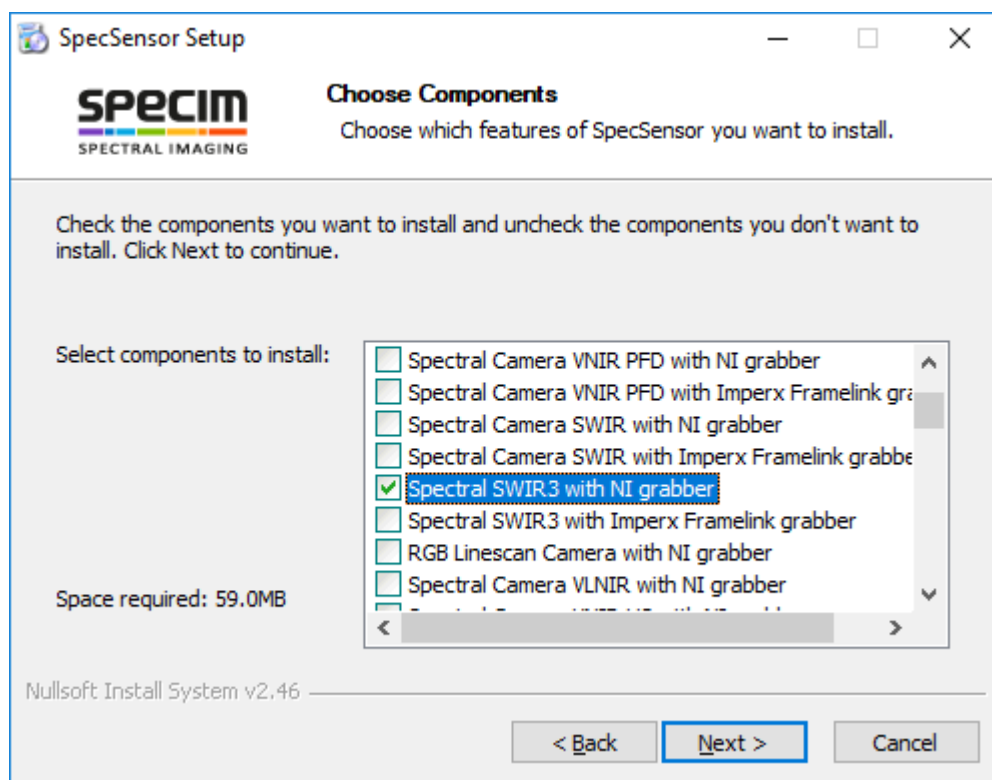
1. Download Lumo SDK installation package, click on link below:  
(For Pleora SDK - eBUS SDK 5.1.10.4642)

[Lumo SDK installation package \(Version 2020\\_519\)](#)

For older Pleora SDK (eBUS SDK 4.1.7) please use link below:

[Lumo SDK installation package \(Version 2019\\_443\)](#)

2. Select camera(s) of interests in the list



3. Finish installation and restart computer
4. Start Breeze and select camera under Settings -> Hardware

For more information follow the Prediktera Breeze hardware and settings guide:

[Prediktera Breeze Hardware and settings guide.pdf](#)

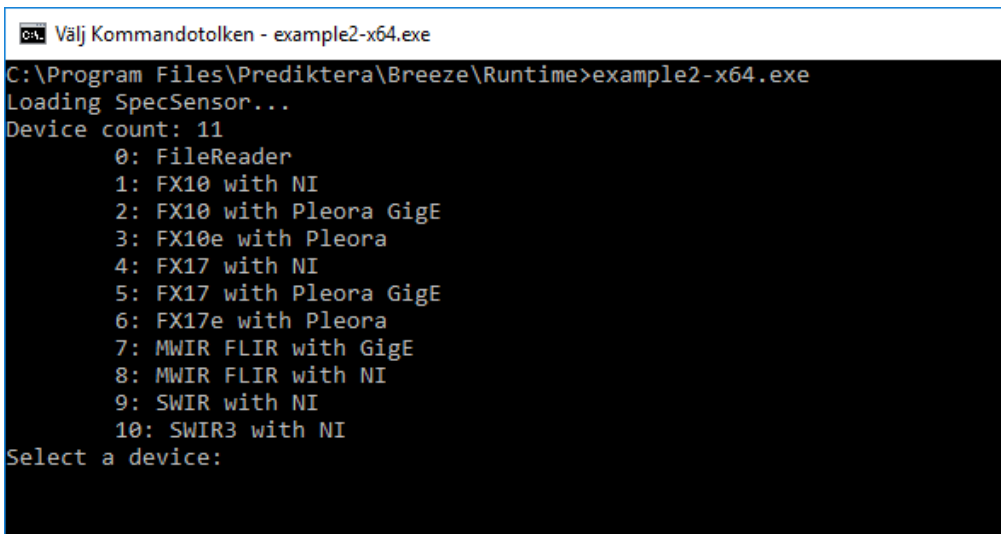
# Troubleshooting

## Test Lumo SDK communication with camera

Open command prompt (CMD) and go to folder:

C:\Program Files\Prediktera\Breeze\Runtime

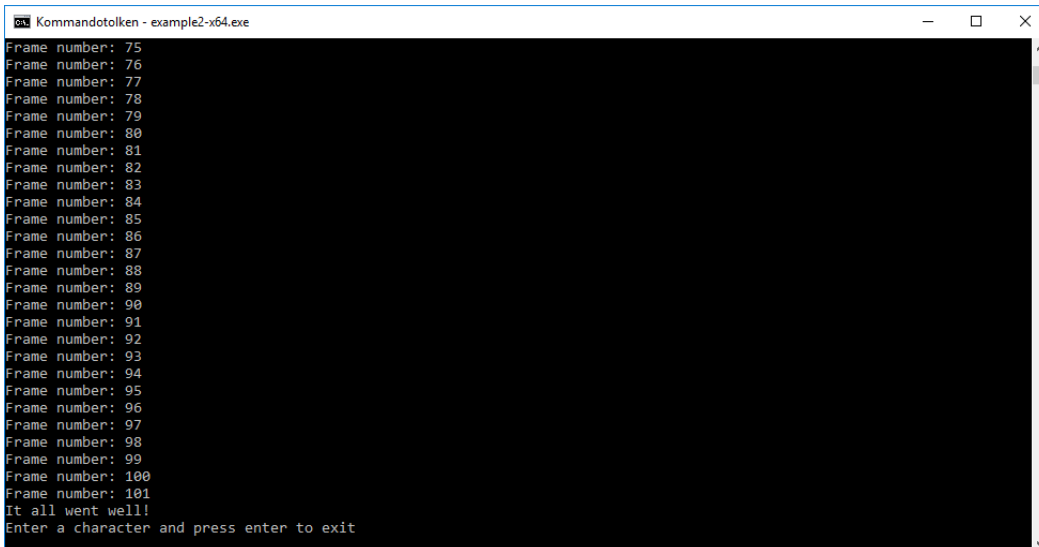
Type "example2-x64.exe" and press Return



```
C:\Program Files\Prediktera\Breeze\Runtime>example2-x64.exe
Loading SpecSensor...
Device count: 11
  0: FileReader
  1: FX10 with NI
  2: FX10 with Pleora GigE
  3: FX10e with Pleora
  4: FX17 with NI
  5: FX17 with Pleora GigE
  6: FX17e with Pleora
  7: MWIR FLIR with GigE
  8: MWIR FLIR with NI
  9: SWIR with NI
 10: SWIR3 with NI
Select a device:
```

Enter device number and press Return

Then you should see 100 frames being read from the camera.



```
Kommandotolken - example2-x64.exe
Frame number: 75
Frame number: 76
Frame number: 77
Frame number: 78
Frame number: 79
Frame number: 80
Frame number: 81
Frame number: 82
Frame number: 83
Frame number: 84
Frame number: 85
Frame number: 86
Frame number: 87
Frame number: 88
Frame number: 89
Frame number: 90
Frame number: 91
Frame number: 92
Frame number: 93
Frame number: 94
Frame number: 95
Frame number: 96
Frame number: 97
Frame number: 98
Frame number: 99
Frame number: 100
Frame number: 101
It all went well!
Enter a character and press enter to exit
```

## Copy Lumo SDK dll files

Copy all files from the specified folder

C:\Program Files (x86)\Specim\SDKs\SpecSensor\2020\_519\bin\x64

Or (for older Pleora SDK users)

C:\Program Files (x86)\Specim\SDKs\SpecSensor\2019\_443\bin\x64











To the Breeze folder:

C:\Program Files\Prediktera\Breeze\Runtime

## Log files

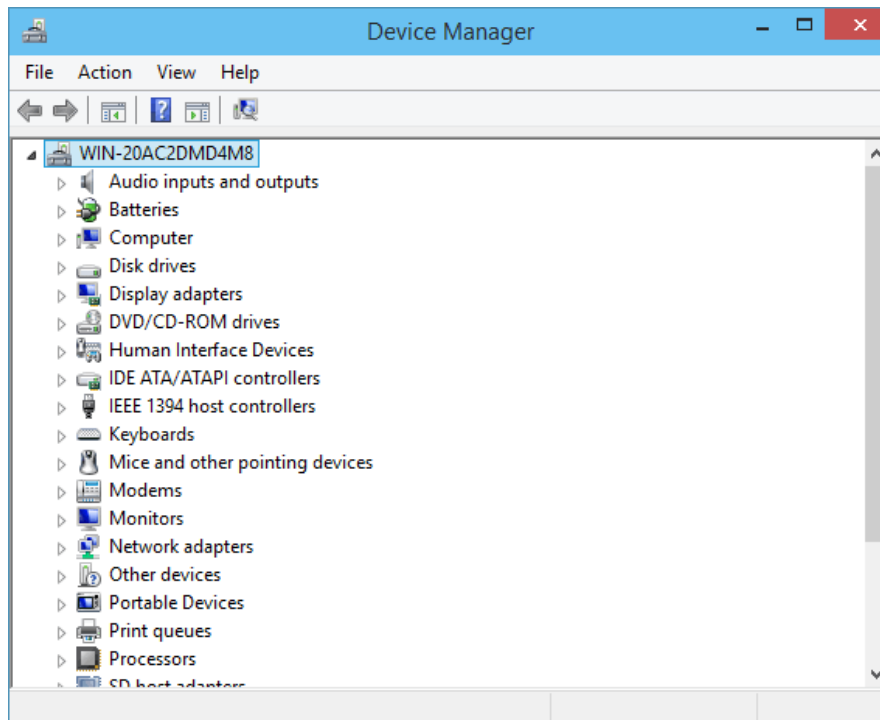
Lumo log files are located under: C:\ProgramData\Specim

(C:) > ProgramData > Specim

Namn	Senast ändrad	Typ	Storlek
 2017-10-06_10-51-16.log	2017-10-06 10:51	Textdokument	4 kB
 2017-10-06_10-51-07.log	2017-10-06 10:51	Textdokument	1 kB
 2017-10-06_10-49-08.log	2017-10-06 10:49	Textdokument	4 kB
 2017-10-06_10-48-55.log	2017-10-06 10:48	Textdokument	4 kB
 2017-10-06_10-45-30.log	2017-10-06 10:47	Textdokument	4 kB
 2017-10-05_11-10-14.log	2017-10-05 11:10	Textdokument	1 kB
 2017-10-05_10-21-21.log	2017-10-05 10:21	Textdokument	1 kB
 2017-10-05_10-20-21.log	2017-10-05 10:20	Textdokument	1 kB
 2017-10-03_14-46-00.log	2017-10-03 14:46	Textdokument	1 kB
 2017-10-03_14-30-00.log	2017-10-03 14:30	Textdokument	1 kB

## Device Manager

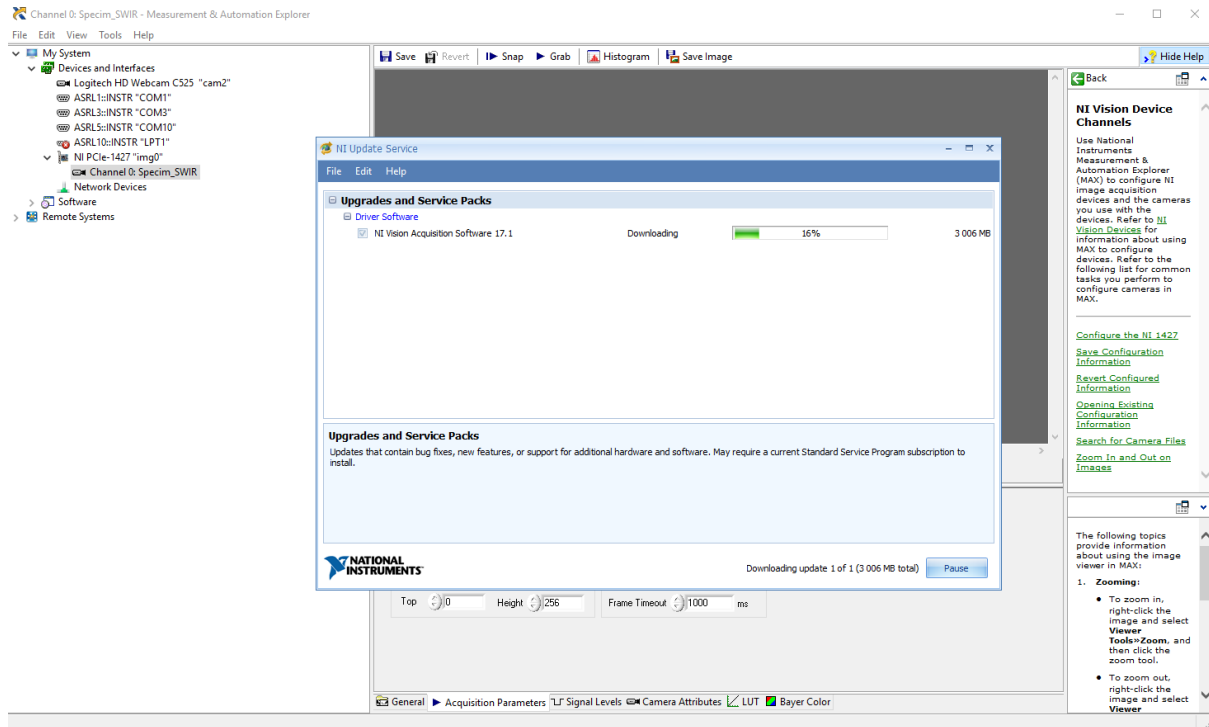
Check that all cables are connected and that all devices are working normally.



## National Instrument cameras (e.g. SWIR and SWIR3)

Make sure that the latest National Instrument software is installed:

<http://www.ni.com/download/ni-vision-acquisition-software-17.1/6879/en/>



## SisuChema / ViaSpec tray

The tray does not move after connecting in Breeze.

### Change limit switch setting

The limit switch configuration for the motor is default set to 1 in Breeze and for some motors this value should be changed to 0

Please try this:

1. Open the BreezeProperties.xml that is located in Breeze Workspace.
2. Change this line from:  

```
<switchpolarity>1.0</switchpolarity>
```

 to:  

```
<switchpolarity>0.0</switchpolarity>
```
3. Save and close BreezeProperties.xml.
4. Start Breeze and Re-program the motor

