

VisionPro 9.5 8724 v1.0.0.11 Patch Install Script

Introduction

This package adds support for the Cognex 8724 PCIe GigE Vision frame grabber.

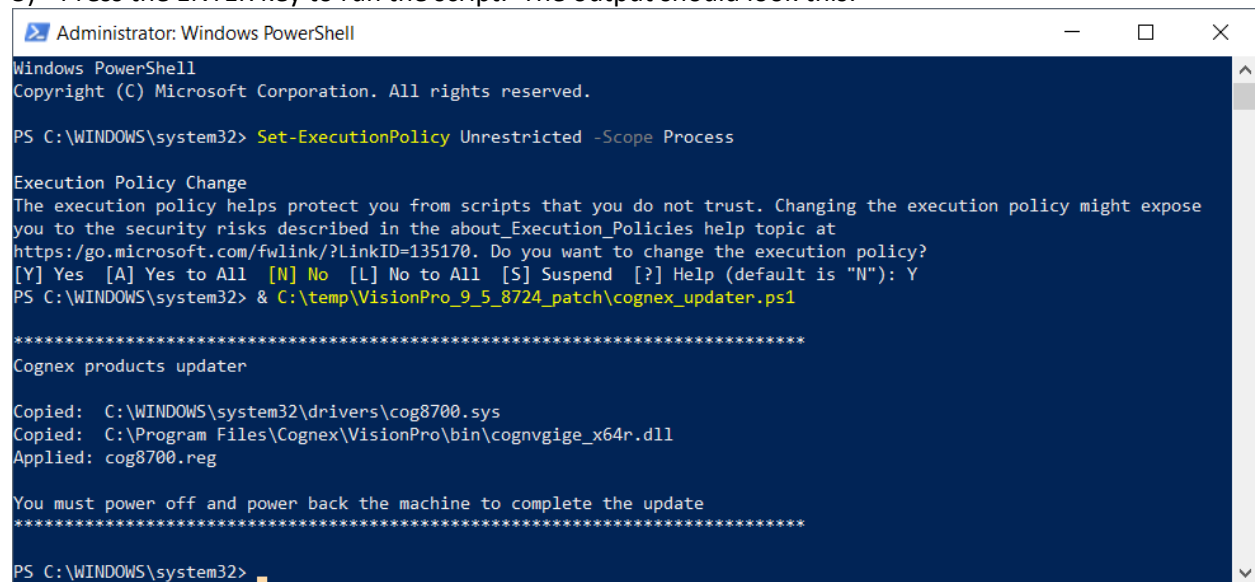
Requirements

- VisionPro 9.5 installed on Windows® 7 x64 or Windows® 10 x64.
- For Windows 7:
 - USB 3.0 host controller installed.
- For Windows 10:
 - Fast startup should be turned off – steps can be found [here](#).

Installation

The packaged files are installed using a Windows® PowerShell script.

- 1) Unzip the contents of the *.zip to a folder on your local hard drive.
 - a. For example: C:\temp
- 2) Run Windows PowerShell as an Administrator.
- 3) At the PS prompt, type "Set-ExecutionPolicy Unrestricted -Scope Process", then press ENTER.
 - a. Type "Y" when you see a prompt asking you to confirm the execution policy change.
- 4) At the PS prompt, type & followed **the full path to the script**.
 - a. For example: & C:\temp\VisionPro_9_5_8724_patch\cognex_updater.ps1
- 5) Press the ENTER key to run the script. The output should look this:



```
Administrator: Windows PowerShell
Windows PowerShell
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PS C:\WINDOWS\system32> Set-ExecutionPolicy Unrestricted -Scope Process

Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose
you to the security risks described in the about_Execution_Policies help topic at
https://go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the execution policy?
[Y] Yes  [A] Yes to All  [N] No  [L] No to All  [S] Suspend  [?] Help (default is "N"): Y
PS C:\WINDOWS\system32> & C:\temp\VisionPro_9_5_8724_patch\cognex_updater.ps1

*****
Cognex products updater

Copied: C:\WINDOWS\system32\drivers\cog8700.sys
Copied: C:\Program Files\Cognex\VisionPro\bin\cognvgige_x64r.dll
Applied: cog8700.reg

You must power off and power back the machine to complete the update
*****

PS C:\WINDOWS\system32>
```

- 6) You **must fully power off your PC** and then power it back on to complete the installation.

Installation on Windows 7 x64

After completing the installation steps above, an additional 3rd party USB driver may be required on Windows 7 x64 systems if you observe the following:

- In Command Prompt, the 8724 security device is not visible when executing “Cogtool -p”.
- In Control Panel -> All Control Panel Items -> Device Manager -> Other devices, the Universal Serial Bus (USB) Controller node displays a yellow and black exclamation mark:



In this case, you will need to install a valid USB 3.0 host controller driver for your PC.

Cognex has successfully tested with the following Fresco Logic FL1100EX USB 3.0 driver:

- [FLUSB3.0-3.8.34556.0](#)

Note: If the driver install results in an error, apply Windows Security Update KB3033929, then re-install.

Repair

To restore the original VisionPro 9.5 components after the VisionPro_9_5_8724_patch has been applied:

- 1) Close VisionPro QuickBuild and any other VisionPro-based applications.
- 2) Open a Windows Command Prompt as an administrator.
- 3) At the prompt, type “sc stop cog8700”.
- 4) Open File Explorer, and navigate to your driver directory (e.g. “C:\Windows\System32\drivers”).
- 5) Delete cog8700.sys.
- 6) Navigate to your VisionPro bin directory (typically “C:\Program Files\Cognex\VisionPro\bin”).
- 7) Delete cognvgige_x64r.dll.
- 8) Open the Windows Control Panel and navigate to Programs and Features.
- 9) Repair Cognex VisionPro x64 ®9.5.
- 10) When the VisionPro repair has completed, Repair Cognex x64 Drivers 5.12.
- 11) Reboot your PC to complete the repair.

Uninstall

To properly uninstall VisionPro 9.5 components after the VisionPro_9_5_8724_patch has been applied:

- 1) Open Control Panel and navigate to Programs and Features.
- 2) Uninstall Cognex VisionPro x64 ®9.5.
- 3) When the VisionPro uninstall has completed, uninstall Cognex x64 Drivers 5.12.
- 4) Open File Explorer, and navigate to your driver directory (typically, "C:\Windows\System32\drivers").
- 5) Delete cog8700.sys.
- 6) Reboot your PC to complete the uninstallation.