

Cognex CFG-8714 Patch Installer

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version 1.0

Overview

This patch provides support for the CFG-8714 frame grabber, which replaces the end-of-life CFG-8704e. Legacy versions of VisionPro software released prior to the introduction of the CFG-8714 frame grabber will need this patch to fully function as expected.

Supported Environments

This patch supports the following environments:

VisionPro Releases:

- VisionPro 9.0
- VisionPro 9.1 SR1

Hardware:

- CFG-8714
- CFG-8704e

Operating Systems:

- Windows 10 (64-bit)
- Windows 7 (64-bit)
- Windows 7 (32-bit)

Services Provided

This patch provides the following services on the CFG-8714 and CFG-8704e frame grabber boards:

- On-board security licensing.
- Cogtool board enumeration.

How to Install Patch

Pre-requisite:

This patch must be installed *after you have installed VisionPro on your PC*; for instructions on installing VisionPro, please refer to the VisionPro Quick Reference Guide.

Patch Installation:

To install the CFG-8714 patch:

1. Run the setup.exe.
2. On the InstallShield Wizard Welcome screen, click “Next”.
3. Select “I accept the terms in the license agreement”, then click “Next”.
4. Optional: Enter User Name and Organization, then click “Next”.
5. Click “Complete” to install all components.
6. Click “Custom” to select which features you wish to include in your installation.
7. Click “Next”, then “Install”.
8. After the installation completes, click “Finish”.
9. You must restart your system for changes to take effect.

Notes:

- This patch installer replaces some files in the base VisionPro installation (see Patch Contents below).
- This patch installer will archive the base files before overwriting them.
- The archive is created under the Public user folder, e.g.:
 - “C:\Users\Public\Cognex\8714_Patch_Archive”
- The 8714 or 8704e frame grabber hardware can be installed before or after the patch installation.

How to Uninstall Patch

Pre-requisite:

This patch must be uninstalled *before you uninstall VisionPro from your PC*.

Patch Uninstallation:

To uninstall the CFG-8714 patch on Windows 10:

1. Open Control Panel.
2. Open Programs and Features.
3. Double-click the Cognex (64-bit or 32-bit) 8714 Patch.

To uninstall the CFG-8714 patch on Windows 7:

1. Open Control Panel.
2. Open Programs.
3. Double-click the Cognex (64-bit or 32-bit) 8714 Patch.

Notes:

- Uninstalling this patch will revert the files previously replaced in the base VisionPro installation back to their original archived versions.
- The archive directory must be deleted manually after the uninstall is complete:
- The archive can be found under the Public user folder, e.g.:
 - “C:\Users\Public\Cognex\8714_Patch_Archive”

Patch Contents

For a Complete install, the following files should be present on your PC after the CFG-8714 patch has been installed (example: VPRO_ROOT = C:\Program Files\Cognex\VisionPro\):

64-bit and 32-bit Windows:

- C:\Program Files\Cognex\VisionPro\Doc\en\Hardware Manuals\CFG8714_HardwareManual.pdf
- C:\Program Files\Cognex\VisionPro\bin\ds1000_firmware_update_2.4.14_dv1.0.dat
- C:\Program Files\Cognex\VisionPro\bin\ds1000_firmware_update_2.4.14_dv2.0.dat
- C:\Program Files\Cognex\VisionPro\bin\ds1000_fw_update_2.4.14.bat

64-bit Windows only:

- C:\Windows\System32\drivers\cog8700.sys = 1.0.0.7 (x64)
- C:\Program Files\Cognex\VisionPro\bin\cognvgige_x64r.dll = 2.10.0.56

32-bit Windows only:

- C:\Windows\System32\drivers\cog8700.sys = 1.0.0.7 (x86)
- C:\Program Files\Cognex\VisionPro\bin\cognvgiger.dll = 2.10.0.56

Release Notes

Known Issues and Limitations:

1. Failure After Uninstalling In Wrong Order:
 - If the base VisionPro software is uninstalled before the CFG-8714 patch is uninstalled, the latter will fail.
 - To work around this issue, reinstall the base VisionPro software, then uninstall the patch.
2. Additional Driver Install Required on Windows 7:
 - On older versions of the Windows 7 OS, the CFG-8714 patch will also require a manual installation of the Intel I210 network drivers.
 - The OEM drivers for both 64-bit and 32-bit may be found here:
 - <https://downloadcenter.intel.com/download/18713/Intel-Network-Adapter-Driver-for-Windows-7-Final-Release?product=64399>