AUTOMATIC NUMBER PLATE RECOGNITION

Custom Installer

For Carmen®

CREATING CUSTOM INSTALLER UNDER WINDOWS SYSTEMS

USER MANUAL

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Introduction

With this document you will be able to create a „silent" installer from our msi installer if you would like to hide our GUI.

How to do that

By the following steps a Custom Installer can be easily created according to the customers' needs.

The installer of the CARMEN® package contains a framework that includes an interactive GUI. In case hiding this GUI is needed, the installer can be run directly, without the framework. The CARMEN® installer separates the 64 bit and 32 bit libraries into two directories:

setup.x64   -   contains the 64 bit libraries

setup.x86   -   contains the 32 bit libraries

For this, locate the setup files:

20130327-Freeflow-7.2.7-14\setup.x64\setup64.bin

and

20130327-Freeflow-7.2.7-14\setup.x86\setup32.bin

These are actually executables (you may need to rename the .bin extension to .exe to be able to run the setup file), so running them from the command line, they will accept parameters. Setup*.bin −h will print the available options:

Usage: setup.exe [-h|-?]{[-b|-s][-c][-ns][full|modulename|"arsfile"]}

-h|-?: Displays this help window.
-b: Batch mode. No main window, background image or progress bar is displayed during the process.
-s: Silent mode. Just a progress bar is displayed during the setup process.
-c: Copyright mode. The EULA is not displayed during the setup. Invoking this option the EULA is supposed to be accepted.
-ns: Not stop mode. Does not stop the modules for uninstalling a module.

> **Note**
>
> For creating custom installers that required running without any user interaction, batch mode is recommended.

> **📑 Note**
>
> This method will not install Visual Studio redistributable package that is required by CARMEN®. Find the necessary installers in the [ms] directory of the CARMEN® package.
>
> Also, note that the final installer will need to check whether the target system is 32- or 64-bit.

> **📑 Note**
>
> In addition the CARMEN® installer package consists of .gxz packages. On the level of these packages, the installer can be customized.

Engines, runtime libraries, sdk	
sdk.gxz	These packages contain development libraries. If they are not necessary, they can be simply removed.
cmaccr*.gxz, cmanpr*.gxz, cmpark*.gxz, cpd*.gxz, cmuic*.gxz	Contain engines and runtime libraries. These should be part of the minimal installer, do not remove them. (eg. cmanpr7-7.2.6-p-11.gxz, cmanpr-7.2.7.108-default.gxz)

Utilities	
adi*.gxz, adv*.gxz	Demo applications (may be removed from the system).
engman*.gxz	Contains the Engine Manager utility. If the necessary engine can be included in the installer, this utility can be removed. NOTE: if the Engine Manager is removed, additional engines can only be installed by creating a setup package out of the .gxz packages.
Drivers	
fxvd4*.gxz	Drivers for FXVD4 frame grabber card
fxmcpcie*.gxz	Drivers for PCIe card
fxmcusb*.gxz	Drivers for USB key

All those that are not necessary may be removed.

> **📑 Note**
>
> The above-mentioned process can be applied in case of Parking, Parking Digital, ACCR and UIC packages as well. Components of all packages can be mixed, where the GX version is the same.

> **✓ Example**
>
> A sample CARMEN® ANPR based installation package that is supposed to contain drivers and runtime libraries only, and will be used with either USB keys or PCIe cards:

Arh.ico
autorun.inf ms
readme.txt
setup.exe
setup.x64
setup.x86
setupdata

setup.x64 should contain:

cmanpr-7.2.7.108-default.gxz	-	cmanpr engine
cmanpr7-7.2.6-11.gxz	-	cmanpr runtime libraries
DIFxAPI.dll eula.txt		
fxmcpcie-7.2.3-2.gxz	-	driver for the PCIe cards
fxmcusb-7.2.8-03.gxz	-	driver for the USB dongles
gacutil.exe		
gacutil.exe.config		
gx-7.2.10-14.gxz	-	runtime libraries of the base system (GX)
setup.ars		
setup.flt		
setup.jpg		
setup64.bin	-	64-bit executable setup application

setup.x86 should contain:

cmanpr-7.2.7.108-default.gxz	-	cmanpr engine
cmanpr7-7.2.6-11.gxz	-	cmanpr runtime libraries
DIFxAPI.dll eula.txt		
fxmcpcie-7.2.3-2.gxz	-	driver for the PCIe cards
fxmcusb-7.2.8-03.gxz	-	driver for the USB dongles
gacutil.exe gacutil.exe.config		
gx-7.2.10-14.gxz	-	runtime libraries of the base system (GX)
ms.gxz		
setup.ars		
setup.flt		
setup.jpg		
setup32.bin	-	32-bit executable setup application

An example for use case:

I need to be able to update the engine in multiple computers automatically. How this can be done?

- Remove all .gxz packages from the installer package
- Insert the engine .gxz packages sent by the ARH Team (cmanpr-7.2.8.x-nowhere.gxz) – mind the bit edition!
- Proceed with the installation either by running setup.exe or by using the setup64.bin and setup32.bin installers directly.

> **Note**
>
> During creating a custom installer, the original splash screen has to be replaced. Moreover, all copyright and other proprietary notices have to be changed as well.

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