Digiteq Automotive

FrameGrabber 4 PCIe Card

Virtual Camera Tool – Windows OS

Digiteq Automotive

Contents

Introduction

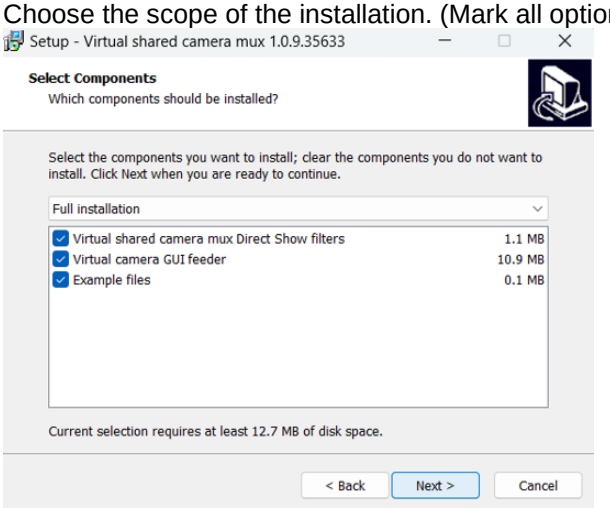
This document describes Virtual Camera Tool for FG4 PCIe card running on Windows OS. The software allows to use multiple running video streams from a single FG4 PCIe camera source. This tool extends the limited access to the DirectShow camera. Virtual Camera Tool provides up to eight virtual camera sources. Each virtual camera can be accessed from multiple instances.

System requirements:

- Personal computer with FG4 PCIe card (PCIe x4, PCIe x8 or PCIe x16)
- Properly working FG4 PCIe device driver for Windows OS
    - These versions of MS Windows are currently supported:
        - MS Windows 10 – 64bit
        - MS Windows 10 – 32bit
        - MS Windows 8 – 64bit
        - MS Windows 8 – 32bit
        - MS Windows 7 – 64bit
        - MS Windows 7 – 32bit

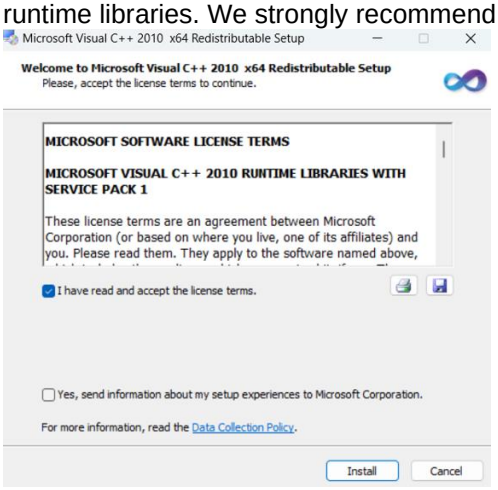
Installation

1. Go to https://fg4.digiteqautomotive.com/ and download virtual camera tool. (virtual shared camera mux app)
2. Start the installation process
3. Accept the term of use.
4. Select destination where should virtual camera mux be installed.
5. Choose the scope of the installation. (Mark all options)

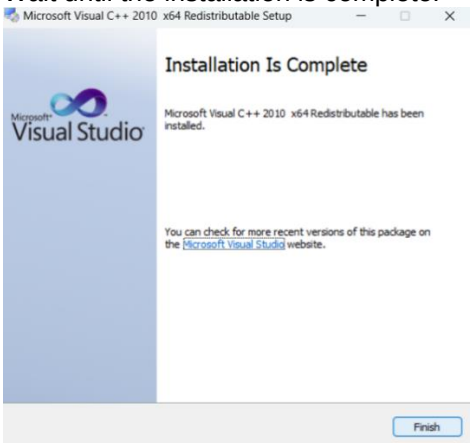


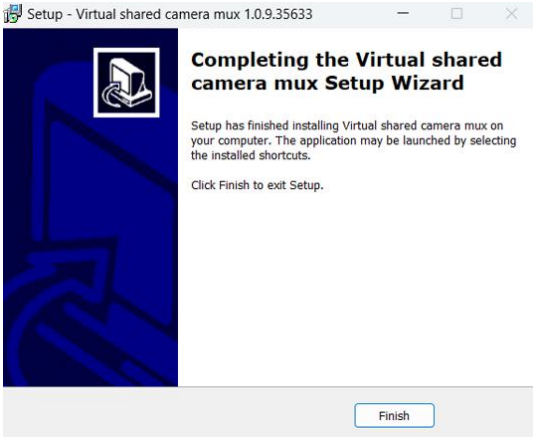
6. Click to Install.

7. During installation process you will be prompted to install also Microsoft visual C++ 2010 runtime libraries. We strongly recommend installing libraries as well.

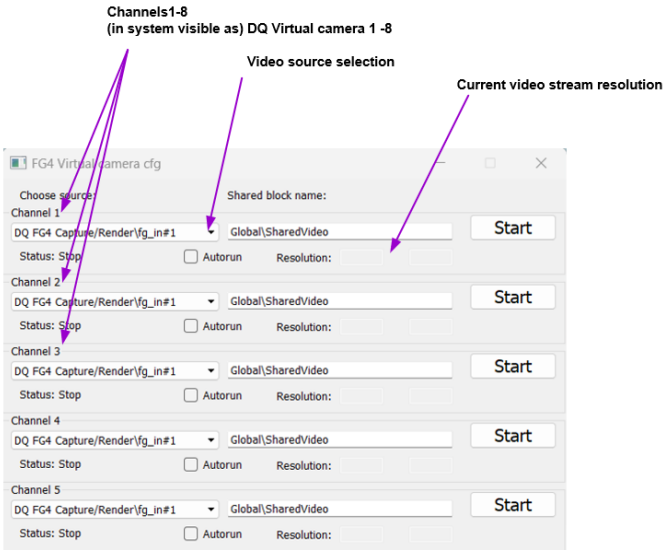


8. Wait until the installation is complete.





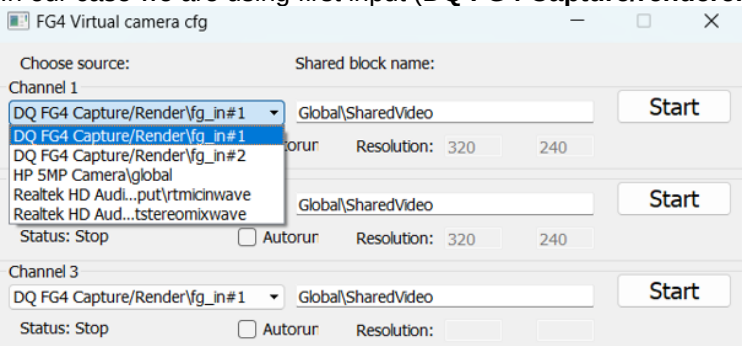
Virtual Camera app Overview



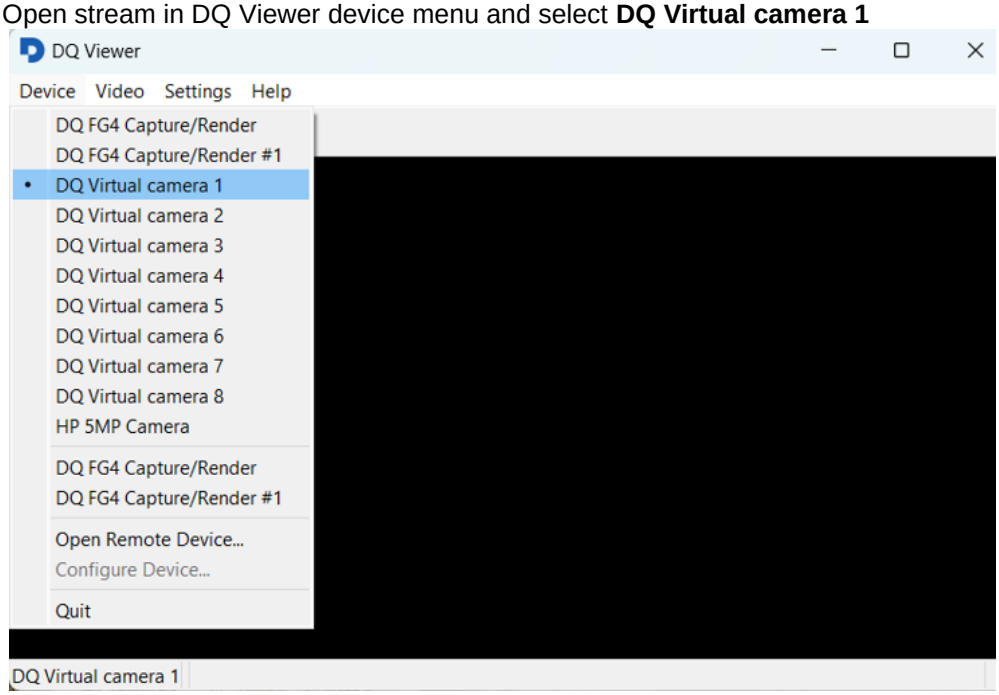
Virtual Camera – setting up for use

1. Open Virtual shared camera mux app.
2. Choose channel you want to use (**channel 1** = **DQ Virtual camera 1**)
   *Always proceed from the first free channel.
3. *Select the source of video stream – select FG4 camera source.*
   Before you do so, please check if the source - FG4 PCIe Card camera is currently running, and make sure you have closed all applications which may interact with this device (stop stream playback) – otherwise the source camera may be blocked for use of our virtual camera.

   In our case we are using first input (**DQ FG4 Capture/renderer\fg_in #1**)

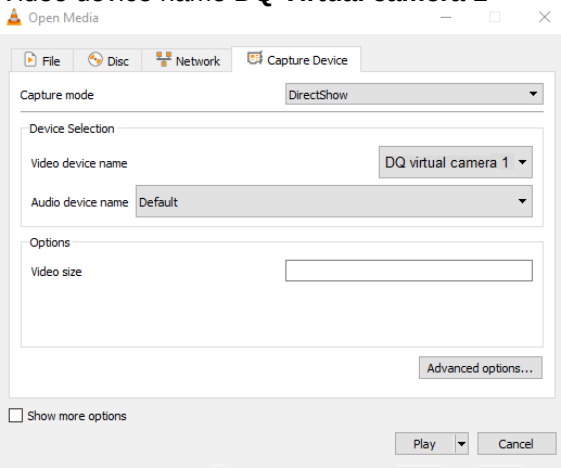


4. Click **start** button to start virtual camera
5. Now the virtual camera is prepared and **running**.
6. To play the video stream open your current media player DQ Viewer / VLC
7. Open stream in DQ Viewer device menu and select **DQ Virtual camera 1**



To open video stream using VLC:

Open capture device → Capture mode **Direct show**
Video device name **DQ Virtual camera 1**



Note:

multiple instances of the media player app (DQ Viewer, VLC) can be open. At the same time, each instance can run video stream from DQ Virtual camera**.**

Changes

Version	Date	Change description	Changed by	Approved by
1.0				