



BitFlow - Readme

README

1. The Bitflow SDK 4.00 software and the R3-CL framegrabber hardware **must be first installed** according to the Bitflow installation instructions.
2. Install the Bitflow update patch located in the CD folder "*BitFlowSDK400-CL11Patch*". Reboot the computer.
3. Once the BitFlow SDK 4.00 has been installed, copy the CL3Ctab23.fsh and CL3Mux.fsh files located in the CD folder "*Framegrabber_Firmware*" directory into "*C:\WINDOWS\system32\drivers\BitFlowFlash\RoadRunner*". Reboot the computer.
4. To install the camera driver files, copy the camera driver files located in the CD folder "*Camera_Driver_02Feb06*", into "*C:\BitFlow SDK 4.00\Config\RclRoadRunner*" directory.



BitFlow - Details about this patch

BitFlow, Inc.
BitFlow SDK Version 4.00
2005-01-05

--- INTRODUCTION ---

- This releases updates the BitFlow SDK 4.000 to be fully compliant with the Camera Link Specification version 1.1.
- This patch will only work with SDK 4.000, it will not work with any subsequent point releases (e.g. SDK 4.007). There will be a separate point release that incorporates these changes.

The major change in the Camera Link Specification is to the serial port API.

- Version 1.1 incorporates a middleware DLL, "**clallserial.dll**" that all Camera Link applications are to communicate with.
- This middleware DLL then communicates with the framegrabber specific Camera Link serial API DLL's.
- The middleware DLL solves many of the problems associated with locating and naming these DLLs.

For a full understanding of the changes between Camera Link Specification version 1.0 and 1.1 see the Camera Link Documentation. This is available from our web site (<http://www.bitflow.com>).

--- INSTALLATION ---

- **SDK 4.000 must already be installed and working on the target computer.**
- This patch release should be directly installed on top of the SDK 4.000.
- The installer will show what it thinks is the root BitFlow SDK folder.
- If this is not correct, you should use the browse button to set the correct SDK root folder.
- The SDK root folder is the folder that contains the various BitFlow SDK folder.
- The folder will usually be "**\BitFlow SDK 4.00**" (e.g. it should contain "**\bin**", "**\Include**", "**\Lib**" etc.). There is no need to reboot your computer after this patch release is installed.

--- INSTALLED COMPONENTS ---

Folder: \BitFlow SDK 4.00\Bin

- **BFCom.exe** - A new version of BitFlow's CL serial terminal application. This version uses the middleware DLL.
- **BFS.dll** - BitFlow specific additions to the CL API
- **CiCLSimple.exe** - Executable version of the console example that uses the new CL v1.1 API
- **clserbit.dll** - BitFlow's implementation of the CL API (called by "clallserial.dll")

Folder: \BitFlow SDK 4.00\Doc

- [Read Me CL 1.1 Patch.pdf](#) - this file (or Read Me CL 1.1 Patch.txt)

Folder: \BitFlow SDK 4.00\Examples

- **BFComNew** - The source code for the new version of BFCom
- **CiCLSimple** - A new console example that uses the new CL Serial v1.1 API

Folder: \BitFlow SDK 4.00\Include

- **BFSerial.h** - Header file for BitFlow's additions to the CL API
- **BFSerialDef.h** - Header file with defines needed for BitFlow's CL API
- **clallserial.h** - Header file needed to use the new v1.1 CL API
- **ClSerBitFlow.h** - Header file for BitFlow's CL API DLL (for backward compatibility with v1.0)

Folder: \BitFlow SDK 4.00\Lib

- **BFS.lib** - Link library for "BFS.dll"
- **clallserial.lib** - Link library for "clallserial.dll"
- **clserbit.lib** - Link Library for "slerbit.dll"

Folder: \Windows\System32

- **clallserial.dll** - The middleware DLL

