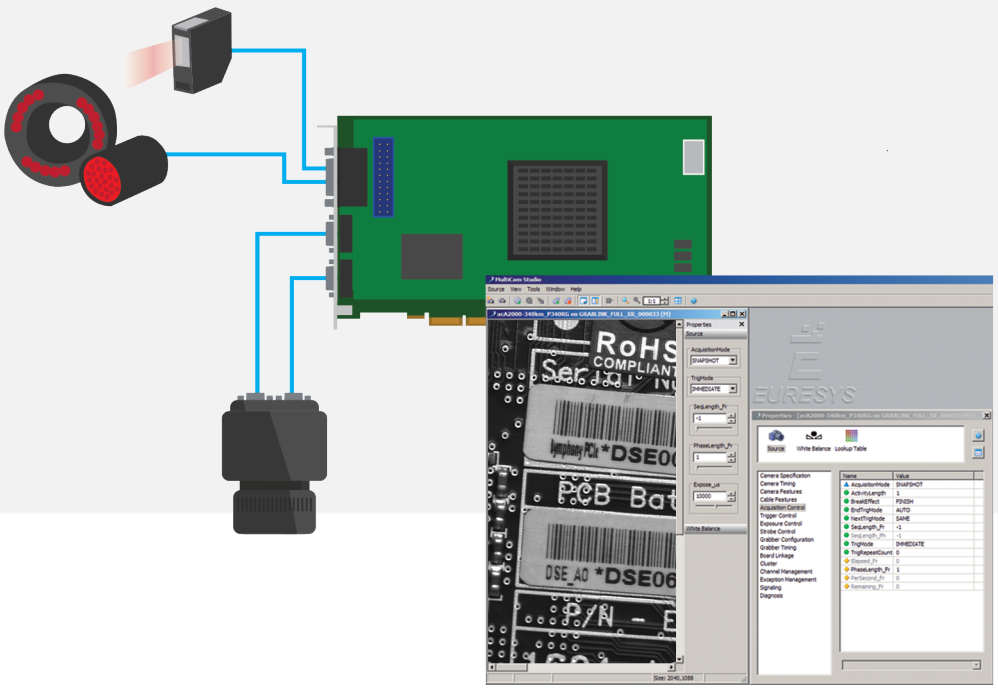
EURESYS™
Excellence in vision

SAMPLE PROGRAMS

MultiCam

MultiCam 6.12 – Windows



Contents

Sample Programs for Picolo Series

Sample programs for Picolo products on Windows platform

PicoloVideo C/C++ C# VB 6.0 VB.NET

This is a simple application demonstrating the MultiCam ***Video acquisition mode*** using a Picolo board. The program performs continuous image acquisition and display.

PicoloVideoTrigger C/C++ C#

This is a simple application demonstrating the MultiCam ***Video acquisition mode*** using a Picolo board. Each time a hardware or software trigger event occurs, the program performs an image sequence acquisition and display.

PicoloDirectShow C/C++

This is a simple application demonstrating video acquisition and recording using MultiCam Microsoft DirectShow filters. The program performs continuous image acquisition and display while images are recorded in an AVI file. In order to compile this sample program, the Microsoft DirectShow SDK needs to be installed and the `strmbase.lib` (Microsoft DirectShow library) needs to be build. Please refer to Microsoft's website and the product documentation for further information on the Microsoft DirectShow SDK.

The `ffdshow` codec needs to be installed to perform any image recording. This sample has been tested with the ffdshow code versions 2033 and 3476.

Sample Programs for Domino Series

Sample programs for Domino products on Windows platform

DominoSnapshot C/C++ C# VB 6.0 VB.NET

This is a simple application demonstrating the MultiCam ***Snapshot acquisition mode*** using a Domino board. The program performs continuous image acquisitions and display.

DominoSnapshotTrigger C/C++ C#

This is a simple application demonstrating the MultiCam ***Snapshot acquisition mode*** using a Domino board. Each time a hardware or software trigger event occurs, the program performs one frame acquisition and displays the image.

Sample Programs for Grablink Series

Sample programs for Grablink products on Windows platform

> ***Note:*** *The sample code is written for the 1624 Grablink Base, 1622 Grablink Full and the 1626 Grablink Full XR models. If you want to operate it with a 1623 Grablink DualBase model, the* `MC_Connector` *MultiCam parameter has to be changed according to the sample program comments.*

GrablinkSnapshot C/C++ C# VB 6.0 VB.NET

This is a simple application demonstrating the MultiCam ***Snapshot acquisition mode*** on a Grablink board. The program performs continuous image acquisitions and display.

GrablinkSnapshotTrigger C/C++ C#

This is a simple application demonstrating the MultiCam ***Snapshot acquisition mode*** on a Grablink board. The program performs one frame acquisition and displays it each time a hardware or software trigger event occurs.

> ***Note:*** *The sample code is written for the 1624 Grablink Base, 1623 Grablink DualBase, 1622 Grablink Full and the 1626 Grablink Full XR models. For any other Grablink board model, the* `TrigCtl` *parameter has to be updated according to the sample program comments.*

GrablinkHfr C/C++

This is a simple application demonstrating the MultiCam ***High Frame Rate acquisition mode*** on a Grablink board. The program performs continuous image acquisitions and display.

GrablinkHfrTrigger C/C++

This is a simple application demonstrating the MultiCam ***High Frame Rate acquisition mode*** on a Grablink board. The program performs one frame acquisition and displays it each time a hardware or software trigger event occurs.

GrablinkWeb C/C++

This is a simple application demonstrating the MultiCam ***Web acquisition mode*** on a Grablink board. The program performs a continuous web acquisition and display.

GrablinkPageTrigger C/C++

This is a simple application demonstrating the MultiCam ***Page acquisition mode*** on a Grablink board. The program performs one page acquisition and displays it each time a hardware or software trigger event occurs.

GrablinkLongPageTrigger C/C++

This is a simple application demonstrating the MultiCam ***Long Page acquisition mode*** on a Grablink board. The program performs one long page acquisition and displays it each time a hardware or software trigger event occurs.

PlanarRGB C/C++

This is a simple application showing the planar RGB management. The application performs image acquisition and display.

GrablinkDualFull C/C++

This application demonstrates video acquisition using an AVT Bonito-CL-400B camera connected to 2 Grablink Full boards.

GrablinkSerialCommunication C#

This is a simple application demonstrating Camera Link serial communication through the `clseremc` library on a Grablink board.

Miscellaneous Sample Programs

Sample programs for all MultiCam products on Windows platform

MulticamAdvancedWaitEvent C/C++ C#

A simple application demonstrating the MultiCam ***Snapshot acquisition mode*** using event driven signaling instead of callback signaling. The program performs a continuous image acquisition and display.

> ***Note:*** *This sample was written for Grablink series but can easily be converted to be used with any other board series.*

MulticamAdvancedWaitSignal C/C++ C#

A simple application demonstrating the MultiCam ***Snapshot acquisition mode*** using the McWaitSignal function instead of the callback signaling method. The program performs a continuous image acquisition and display.

> ***Note:*** *This sample was written for Grablink series but can easily be converted to be used with any other board series.*

TestIo C/C++

A simple application making usage of I/O lines through the MultiCam Board object.