Interfacing a Digital Camera
with a GRABLINK Board

ADIMEC OPAL-1000m-Q

EURESYS™
Excellence in vision

Main characteristics

Sensor	Area-scan, monochrome
Scanning method	PROGRESSIVE
Image size	1024 (H) x 1024 (V) Pixels
Frame rate	Up to 120 frames per second
Tap configuration	BASE_2T12
Last update	08 Nov 2011

Configurations

Configuration	CAM file	Description
P120RG	OPAL-1000m-Q_P120RG.cam	Progressive Area-Scan, Asynchronous Reset, Grabber controls exposure.
P120SC	OPAL-1000m-Q_P120SC.cam	Progressive Area-Scan, Free-Run Scanning.

Camera Setup

The CamFiles provided for this camera model have been created based on the specification described in the product documentation published by the camera manufacturer. They have not been tested with the camera at Euresys.

To work properly with the supported Euresys frame grabber, the camera has to be set-up according to the selected CamFile. Please refer to the section "Main Characteristics" for the camera tap configuration and to the section "Configurations" for additional information concerning the supported camera configurations. The provided CamFiles are created to use the camera model in full resolution.

The camera configurations needing a reset pulse sent by the frame grabber use a camera link "CC" line and the polarity of the reset pulse is defined in the CamFiles by the "ResetEdge" parameter.

To communicate with the camera, a software utility provided by the camera manufacturer or a terminal emulator connected to the camera through a virtual serial COM port created with MultiCam Studio can be used.

Please refer to the camera manufacturer documentation for further information relative to the camera configuration.