



Interfacing a Digital Camera
with a GRABLINK Board

CHROMASENS aIIPIXA-4096

Main characteristics.....	2
Configurations.....	3
Camera Setup.....	4

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Main characteristics

Sensor	Area-scan, color
Scanning method	PROGRESSIVE
Image size	4096 (H) x 4500 (V) Pixels
Frame rate	Up to 22 frames per second
Tap configuration	MEDIUM_2T24
Last update	04 Dec 2014

Configurations

Configuration	CAM file	Description
L4096SP	allPIXA-4096_L4096SP.cam	Line-Scan, free-run scanning, Permanent exposure.
P22SC	allPIXA-4096_P22SC.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.