



Interfacing a Digital Camera
with a GRABLINK Board

CHROMASENS aIIPIXA-7300

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Main characteristics

| | |
|--------------------------|----------------------------|
| Sensor | Area-scan, color |
| Scanning method | PROGRESSIVE |
| Image size | 7296 (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 |
|----------------|--------------------------|---|
| L7296SP | allPIXA-7300_L7296SP.cam | Line-Scan, free-run scanning, Permanent exposure. |
| P22SC | allPIXA-7300_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.