Interfacing a Digital Camera
with a GRABLINK Board

Adimec 1600m

EURESYS™
Excellence in vision

Main characteristics

Sensor	Area-scan, monochrome
Scanning method	PROGRESSIVE
Image size	1600 (H) x 1200 (V) Pixels
Frame rate	Up to 33 frames per second
Tap configuration	BASE_2T10
Last update	08 Nov 2011

Configurations

Configuration	CAM file	Description
P33RG	1600m_P33RG.cam	Progressive Area-Scan, Asynchronous Reset, Grabber controls exposure.
P33SC	1600m_P33SC.cam	Progressive Area-Scan, Free-Run Scanning.

Connection Information

Power Supply Connector Pin-out
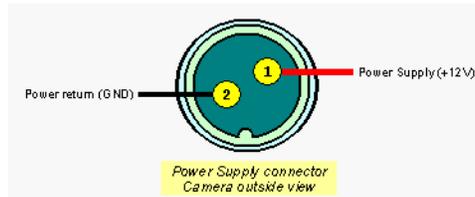
Valid for all configurations

Camera Setup

Using the configuration software utility

To install the camera-control software:

- Insert the installation diskette into the floppy drive of the PC
- Copy the `A:\Control\Windows` directory contents to the hard disk

To invoke the camera-control software:

- Run the `A1600M.EXE` file
- Select the good com port
- Choose the appropriate configuration for the application

Valid for configuration P33SC

Control	Setting
Mode	Continuous
Mirror	As required by application
Digital resolution out	10 bits
Frame period	30 ms (or higher)
Integration time	As required by application
Gain	As required by application
P1 vertical offset 0	0
P2 image size	1200
P3 vertical binning	Not checked
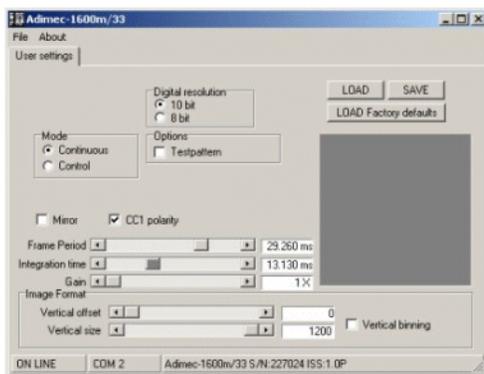
Valid for configuration P33RG

Control	Setting
Mode	Control
Mirror	As required by application
Digital resolution out	10 bits
Frame period	Irrelevant
Integration time	Irrelevant
Gain	As required by application
P1 vertical offset 0	0
P2 image size	1200
P3 vertical binning	Not checked