Interfacing a Digital Camera
with a GRABLINK Board

Adimec 4000m

EURESYS™
E x c e l l e n c e   i n   v i s i o n

Main characteristics

Sensor	Area-scan, monochrome
Scanning method	PROGRESSIVE
Image size	2048 (H) x 2048 (V) Pixels
Frame rate	Up to 16 frames per second
Tap configuration	BASE_2T12
Last update	08 Nov 2011

Configurations

Configuration	CAM file	Description
P16RG	4000m_P16RG.cam	Progressive Area-Scan, Asynchronous Reset, Grabber controls exposure.
P16SC	4000m_P16SC.cam	Progressive Area-Scan, Free-Run Scanning.

Connection Information

Power Supply Connector Pin-out
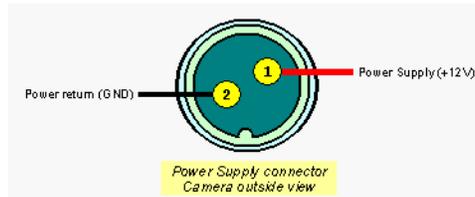
Valid for all configurations

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 `A1000m_series.exe` file

■ Select the adequate COM port

■ Choose the appropriate configuration for the application

Valid for configuration P16SC

Control	Setting
Mode	Continuous
Mirror	As required by application
Digital resolution out	12 bits
Frame period	62 ms (or higher)
Integration time	As required by application
Gain	As required by application
Vertical offset	0
Vertical size	2048
Vertical binning	Not checked
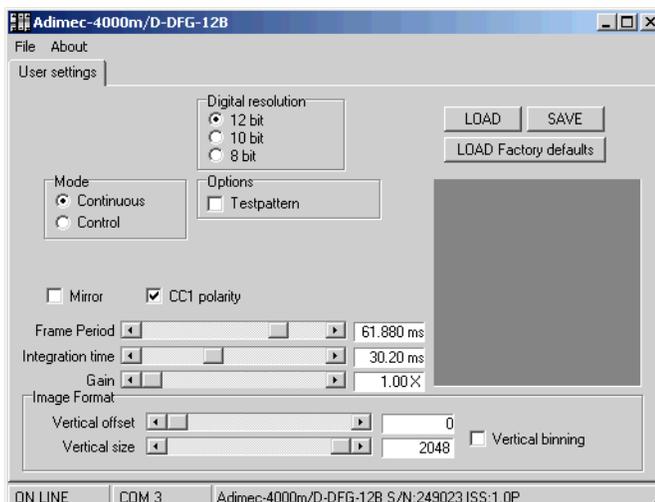
Valid for configuration P16RG

Control	Setting
Mode	Control
Mirror	As required by application
Digital resolution out	12 bits
Frame period	Irrelevant
Integration time	Irrelevant
Gain	As required by application
Vertical offset	0
Vertical size	2048
Vertical binning	Not checked