



Interfacing a Digital Camera  
with a GRABLINH Board

## ***Adimec 4000m***

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## Main characteristics

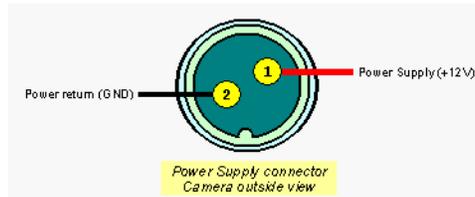
<b>Sensor</b>	Area-scan, monochrome
<b>Scanning method</b>	PROGRESSIVE
<b>Image size</b>	2048 (H) x 2048 (V) Pixels
<b>Frame rate</b>	Up to 16 frames per second
<b>Tap configuration</b>	BASE_2T12
<b>Last update</b>	08 Nov 2011

## Configurations

Configuration	CAM file	Description
<b>P16RG</b>	4000m_P16RG.cam	Progressive Area-Scan, Asynchronous Reset, Grabber controls exposure.
<b>P16SC</b>	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:

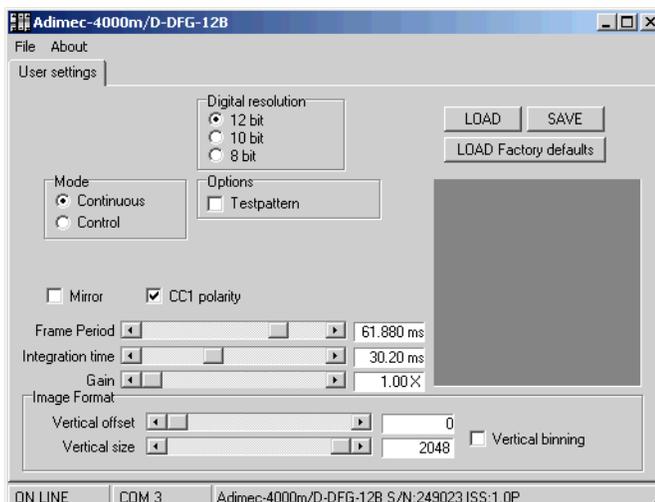
- Insert the installation diskette into the floppy drive of the PC
- Copy the A:\Control\Windows directory contents to the hard disk

#### 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