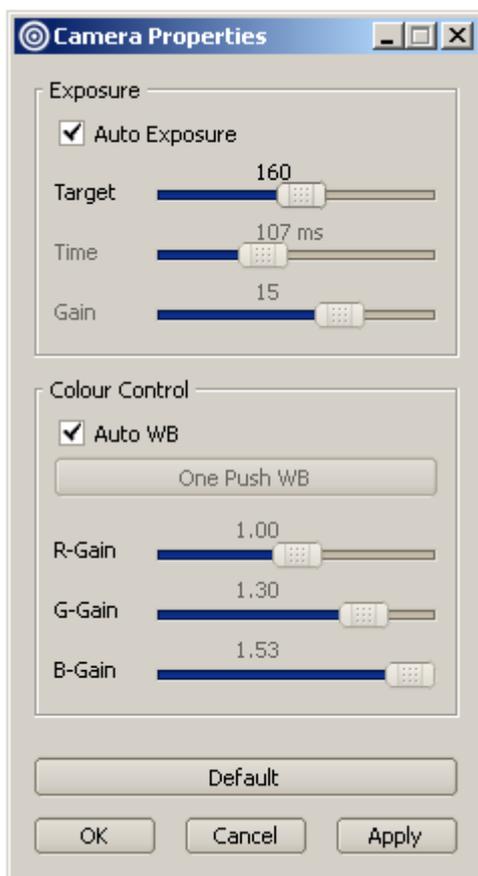


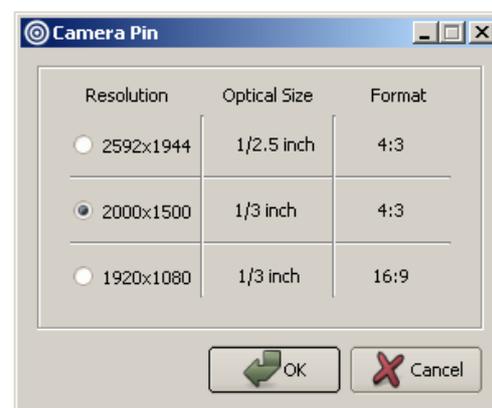
Installation instructions for Optilia 5.0MP Camera

Important: Do not connect the camera to your PC before installing the drivers.

1. Run “Optilia 5.0MP Camera Setup Vx.x.exe” on your installation CD. Follow on-screen instructions.
2. Connect the device to the computer when it is asked from the installer software.
3. Install image Viewing & Capture software OptiPix. Start OptiPix.
Refer to instructions manual of OptiPix for how to install and activate the software.
4. On OptiPix, select *Input “Device/Optilia 5.0MP Cam”*. Live image of the camera shall be visible now.
5. On OptiPix, select *“Device/Device Properties”* for adjusting camera settings (picture below). Select *“Device/Device Resolution”* for changing image resolution and optical size of the image sensor.
Refer to section the next page for more info about Image Resolution and Optical Size



I) Device properties

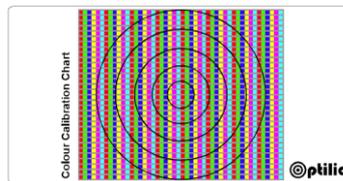


II) Device Resolution

About properties and resolution of the Camera:

- a) If Automatic exposure is not selected, set the Exposure Time to approximately 50 ms in order to get maximum frame rate.
- b) If you need high frame rate, set the device resolution to 2000x1500 or 1920x1080.
- c) White Balance of the camera (e. g. colour of the image) is calibrated each time you push “One Push WB”. For **True Colour** reproduction, you need to set white balance while imaging the “Colour Calibration Chart” provided by Optilia. Image the chart with your camera lens and its built-in Ringlight. Give the camera a few seconds to set the exposure time to a stable level. Select *Video Capture Filter* and click “OnePushWB”. Red- and Blue-gain of the sensor will be adjusted automatically for true colour.

Colour Calibration Chart



- d) Image Resolution and active Optical Size of the image sensor can be set following values:
 1. 2592x1944 resolution utilize full optical size of sensor e. g. 1/2.5” (inch) diagonal.
 2. 2000x1500 resolution utilize partial optical size of the image sensor e. g. 1/3” diagonal.
 3. 1920x1080 resolution utilize partial optical size of the image sensor e. g. 1/3” diagonal providing wide 16:9 format