

Sightech Vision Systems, Inc.

PC Eyebot

Tutorial – System Setup

Published 2005

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Connect PC-Eyebot Hardware:

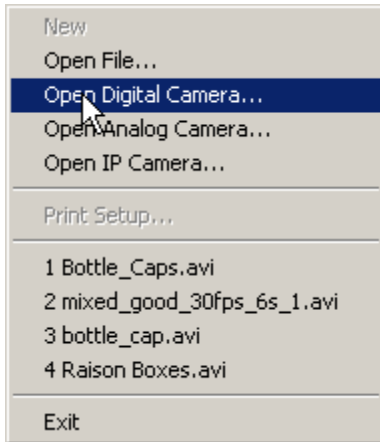
- a) Connect power cables,
- b) VGA monitor with at least XGA (1024x768) resolution,
- c) Keyboard and mouse,
- d) 1394 (Firewire) / USB / Internet camera
- e) USB connected Relay Box, if required
- f) Optional USB barcode scanner, if required

Turn on power:

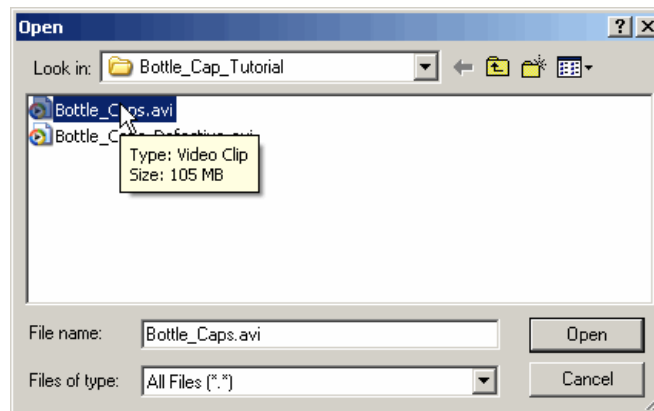
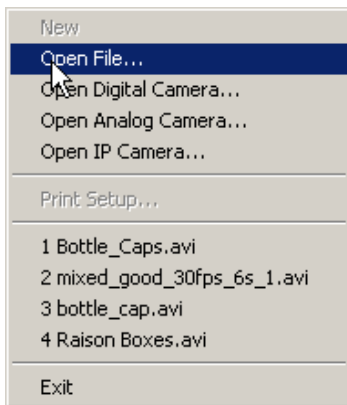
- a) Be sure monitor is powered on
- b) Turn on and boot PC-Eyebot
- c) 1394 cameras are powered via the 1394 cable. Analog cameras usually require separate power.
- d) If used, the Relay Box is powered via the USB cable, but external devices connected to the output relays need to be powered separately.

Select input Video Source:

- a) Start-up PC-Eyebot system. If you need PC-Eyebot to self-start after the CPU boots, place a shortcut to PC-Eyebot in the MS Window's Start Folder.
- b) Select Camera:

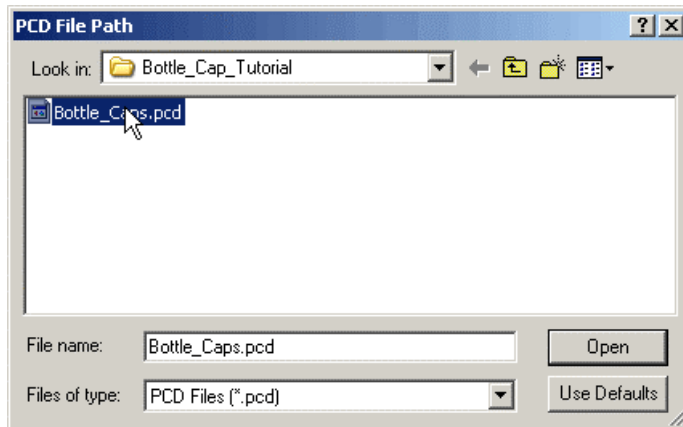


- c) Or, select video file as video input:



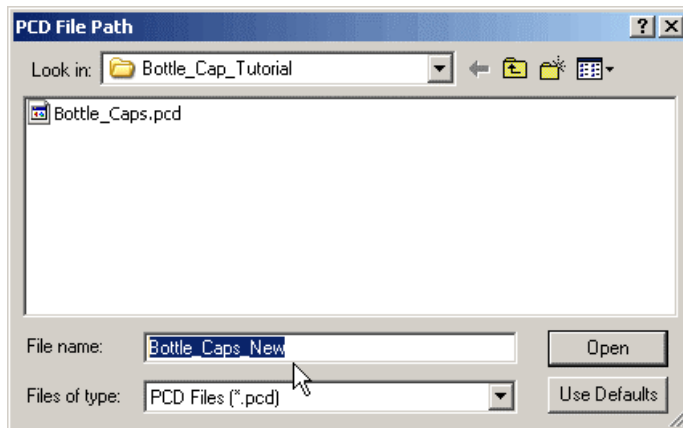
Specify Current Project:

- a) If previously define project, the enter that name – the name will appear in the dialog box for you to select.

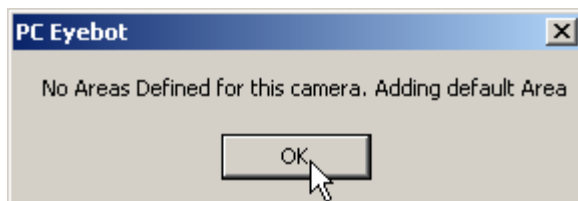


Specify New Project:

- a) If this is a new project, then enter the new project's name. When creating a new project, a PCD (.pcd file extension) file is created in selected directory. The PCD file contains all the project parameters, etc. When data is saved, the PCD also contains pointers to the relatively large training data files.



- b) Since an vision processing Area is needed to begin with, a message prompt notifies that a new default Area is about to be added:



- c) This Area may be modified to suit one's needs, and addition Areas may be defined. A new project (PCD file) is now created. All of the settings have default values, which automatically initialize the vision system to be immediately able to perform inspection tasks for some projects. Special settings will be needed to change number and size of Areas, learning Feature⇒Type, Feature⇒Size, etc.

