THE TEAM WITH THE BIG GUNS
Special Weapons, NSWC Crane

Visual Studio Setup

Andrew Houvener
Matthew Jacobs
Kyle Kopacz
Micah Weaver

May 25, 2009

Contents

1   Purpose of Document

This document describes and details how to set up a visual studio environment in order to continue development on Project SANTA.

2   Setup Instructions

1. Obtain a copy of Visual Studio 2008 and install the development environment.

2. Move the OpenCV folder to C:\Program Files.

3. Open Visual Studio

4. Go to Tools → Options... → Projects and Solutions → VC++ Directories and add the following three entries:

   - $(SystemRoot)\System32
   - $(SystemRoot)
   - $(SystemRoot)\System32\wbem

5. Go to Tools → Options... → Projects and Solutions → VC++ Directories, select the category Include Files and add the following four entries:

   - C:\Program Files\OpenCV\cv\include
   - C:\Program Files\OpenCV\cxcore\include
   - C:\Program Files\OpenCV\otherlibs\highgui
   - C:\Program Files\OpenCV\filters\ProxyTrans

6. Go to Tools → Options... → Projects and Solutions → VC++ Directories, select the category Library Files and add the following entry:

   - C:\Program Files\OpenCV\lib

7. Right click on SANTA CPP → Properties → Linker → Input. Then under Additional Dependencies add the following three entries:

   - cxcore.lib
   - cv.lib
   - highgui.lib

3   Useful References

3.1   Tutorials

- http://www.cs.iit.edu/ agam/cs512/lect-notes/opencv-intro/index.html
- http://www.site.uottawa.ca/ laganier/tutorial/opencv+directshow/cvision.htm

3.2 Books

- http://www.amazon.com/Learning-OpenCV-Computer-Vision-Library/dp/0596516134

3.3 Documentation

- C:\Program Files\OpenCV\docs\index.htm
- http://opencvlibrary.sourceforge.net/wiki-static/
- C:\Program Files\OpenCV\docs\faq.htm
- C:\Program Files\OpenCV\docs\ref\opencvref_cxcore.htm
- C:\Program Files\OpenCV\docs\ref\opencvref_cv.htm
- C:\Program Files\OpenCV\docs\ref\opencvref_cvaux.htm
- C:\Program Files\OpenCV\docs\ref\opencvref_ml.htm
- C:\Program Files\OpenCV\docs\ref\opencvref_highgui.htm