

The CogniSight Emulation Kit is the perfect tools for Windows developers to evaluate the power and adaptivity of the CogniSight chipset for image recognition. It imitates all the functionalities of the chip and the the only feature you will not be able to evaluate is the speed performance.

CSe_SDK contents

- DLL (written in C++ and C#)
- Simple examples with source code (C/C++, VC#, VB6, VB.NET)

Function library

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| <ul style="list-style-type: none"> - Load image (jpeg), display - Size/Move region - Learn/Reco region (B&W) - Init network - Load/Save knowledge - Read/Write registers* | <p>The functions below are not yet implemented in the CogniSight chipset (expected for release Q4, 2009)</p> <ul style="list-style-type: none"> - Set working area - FindObjects - Search image and generate maps of categories and confidence levels |
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*Like the CogniSight chipset, the CogniSight Emulation Kit is based on an Register Transfer Level (RTL) protocol. This means that a Read and Write command are all you need to fully control the operations of the image recognition engine and the neural network. For example, if you do not wish to use the higher level functions of the library, defining the region of interest uses two registers, learning a region requires to write one register, classifying a region can use three registers, etc.

Simple example

- Illustrate how you can integrate the use of the CogniSight chipset in your applications with a few lines of code. Supplied with source code in VC#
- Example #1: select objects of interest in an image, learn them and view the contents of the neurons, recognize them or search the entire image to locate them

