



# SNHelloWorld

## Description

SNHelloWorld is a simple example that shows how to use the SpikeNet recognition module within SNVision Library.

## Notice

To execute this program, you must have the recognition module SNVision Library. (SNVision.dll)

## SNVision functions used

- SNLoad(strModelFileName)  
//Load the models from a "snm" model file
- SNGetCount()  
//Get the number of models in the database
- SNSetRecognitionMode(TRUE, 0, 2100, 0, 0)  
//Set the recognize parameters
- SNRecognizeFile( strImageName , &RecognizedList , &dElapsedTime , &dPreprocTime)  
//Process an image file on disk
- SNGetLogicalName(id ,&strModelName)  
//Get the name of a model

## Different steps

1. load a model file
2. set the recognition parameters
3. process the image
4. print a list of recognized models

## What you should see

```

Hello World!
Enter a configuration file : ..\..\..\models\animalshw.snm
Number of models : 8
Enter a pgm image file : ..\..\..\images\animals.pgm

Recognition
hit)  < x , y > ModelId  ModelName
  1)  < 87, 23 >      2    Bear
  2)  <329, 25 >      6    Tiger
  3)  <271, 31 >      5    Lion
  4)  <390, 28 >      7    Seacow
  5)  <150, 29 >      3    Monkey
  6)  <206, 31 >      4    Dog
  7)  <450, 29 >      8    Caterpillar
  8)  < 32, 32 >      1    Cat

Elapsed time :55.6ms
Press any key to continue
  
```

← The database now contains now eight models for testing

← Means that the model named "Bear" was found at coordinates (87, 23)

## Interpretation

The picture shows the test image (animals.pgm) together with the locations of the eight targets found by the recognition process.

