main.cpp: C++ function reads the images from the webcam as inputs. Then converts images to grayscale images and executes ASM search to find the location of 192 facial landmarks. Changes these 194 pixels to white color and show the image. This process is in a while true loop. If the user presses any key from the keyboard, it will break the while loop.

Other functions offered by Stasm library.

Cascade classifier
Example images

makefile: for compiling Stasm library

source code of stasm library. It has been optimized for 194-landmark model

_GENERATED MODEL FILES_

MS VC10 project for demonstrating 194-landmark model
demo.exe could be executed directly when opencv path is set up

MS VC10 project for demonstrating 77-landmark model
demo.exe could be executed directly when opencv path is set up

makefile and its outputs complied in UNIX/Linux/MacOS system

Performance comparison of 194-landmark model and 77-landmarks model
Tested on BioID dataset

194-landmark model

77-landmark model
Some examples 194-landmark model (right) has a better performance