

Example1: Road Crossing

Example1 is a sample program that shows its utility for helping the blind to help in navigating or cross roads. This is a simple demonstration and need not work in practical scenarios.

This program uses a base image which is idle situation where a user can cross the road considered as "base_image"

The new image can be captured with the hand held camera or a mounted camera on the user which consistently captures the road ahead considered as "new_image"

Base_Image: Is the ideal case where there is no traffic on the crossing.



Scenario1:

In Scenario1 the image captured by the camera consists of car in the crossing, the new image is compared with the base image and finds that there is something which deviates the new_image from expected behaviour. This will alert the user to **wait** before crossing the road.



Scenario2:

In Scenario2 the image captured by the camera is similar to the base image and is similar to the expected behaviour. This will alert the user to **Ready to cross.**

