

Complementary material to the manuscript
entitled *Automatic Handgun Detection Alarm
in Videos Using Deep Learning*

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February 24, 2017

Description

This document explicitly shows the images that we could not include in the manuscript, entitled *Automatic Handgun Detection Alarm in Videos Using Deep Learning*, because its content could possibly have violent connotations.



Figure 1: Examples from Database-2, the top three images represent the pistol class and the down three images represent the background class



Figure 2: Three examples from Database-5. This dataset includes, in addition to the images, the xml file of each image with the localization information of the pistols.



Figure 3: An example of an accurate detection of four pistols.



Figure 4: Examples of false positives from Video 1.



Figure 5: An illustrative example of false negatives, i.e., the two pistols in background.