

## Simple Detection Question

**How can we use the information from the 3 different colour channels to improve change detection?**

One can look for changes in each of the colour channels, and then decide that there is a changed pixel if any one (or 2 for more robustness) of the colour channels reports a change. Using more than one channel increases the odds that a foreground object will differ from the background, but there is also an increased probability of false alarms.