Contents

- The project work in motion pictures are motion detection.
- Read Beep Sound -----
- Define Webcam output data

- Read Data and Motion Detect
- Match background B by frame
- END of Motion Detect

The project work in motion pictures are motion detection.

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Read Beep Sound -----

```
Error using ==> wavread at 67
Cannot open file.

Error in ==> Motion_Alarm at 6
s7 = wavread('beep-7.wav');
```

Define Webcam output data

Read Data and Motion Detect

```
% Because the gray background image in ourselves,
% so it should also compare the images to gray.
frame = rgb2gray(getsnapshot(vid0bj1));
```

Match background B by frame

```
[w, h] = size(B); % in this project : w=640 , h=480
 % Count the number of disputes are images with % the same background or primary image.
 detectionCounter = 0;
 % Review every single pixel wallpapers and images present time.
 for x=1:w
      for y=1:h
           % Carefully compare the light gray images is \pm 20.

if(frame(x, y) >= (B(x, y) + 15) || frame(x, y) <= (B(x, y) - 15))

% If the top 15 by the difference between the pixel
                % brightness background and image, to counter increased.
                detectionCounter = detectionCounter + 1;
           end
      end
 end
% Defined threshold number of pixels of light intensity changes.
 if(detectionCounter > 500 && detectionCounter < 50000)</pre>
     beep;
 elseif(detectionCounter >= 50000 && detectionCounter < 150000)</pre>
      sound(s7);
      if(i<7) i=8; end</pre>
 elseif(detectionCounter >= 150000 && detectionCounter < 307201)</pre>
      sound(s8);
      if(i<7) i=8; end
 else i=5;
 end
```

END of Motion Detect

return;

Published with MATLAB® 7.8