videorecdispRGB

March 7, 2017

1 VideorecdispRGB

Program to capture a video from a camera and display Original and R,G,B, compinents live on the screen.

- **Import relevant modules:**

```
In [2]: import cv2
        import numpy as np

        cap = cv2.VideoCapture(0)

        cv2.namedWindow('Original')
        cv2.namedWindow('B Komponente')
        cv2.namedWindow('G Komponente')
        cv2.namedWindow('R Komponente')

        while(True):
            # Capture frame-by-frame
            [ret, frame] = cap.read()

            # Display the resulting frame
            cv2.imshow('Original',frame)
            cv2.imshow('B Komponente',frame[:,:,0])
            cv2.imshow('G Komponente',frame[:,:,1])
            cv2.imshow('R Komponente',frame[:,:,2])

            if cv2.waitKey(1) & 0xFF == ord('q'):
                break

        # When everything done, release the capture
        cap.release()
        cv2.destroyAllWindows()
```