Csit Vlc Homework Report

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I. LANGUAGE

USE python as my program's language

II. DECODE RESULT

In my program, the number decode form the .mp4 file is 3091.

III. HOW TO DECODE

A. Read frame

Use the library OpenCV of python to read the .mp4 file, then get it fps. The FPS is 30, so every frame is 1/30 sec.

B. Decode the signal

The FPS is 30 so first I can find the location of bits 111000, then every two bits as one signal bit. For example ,01 as 1 and 10 as 0. Use the way to decode the signal, I can get a binary code, use the binary code, I can count the decimal number of it.

IV. HOW TO EXECUTE THE PROGRAM

Use a computer which has installed python and execute it. Then you need to input the absolute path of the .mp4 file It will help you to count the number.

V. OUTPUT FORMAT

First line is FPS. Second line is the number of the signal be decoded from the .mp4 file.