

Show Video Capabilities (exoVideo)

NDK 5.7/MPTK 2.4

Application Note, 12 December 2007

Introduction

This example program demonstrates the use of `VrendGfxVo`, `VcapVi p2` and `FbRead`.

Reference to the build command line: `buildd.exe video/apps/exoVideo`.

Disclaimer

With `exoVideo`, you can explore a lot of the capabilities of `tmVrendGfxVo`. Please read the documentation of `tmVrendGfxVo` (user manual and release notes) before you start using the advanced options. Some use cases that can be set up by `exoVideo` are not supported by `tmVrendGfxVo`, for example, `filmdetector` or `deinterlacing` for an interlaced display output.

Description

Single window use cases:

```
VcapVi p2 ----> VrendGfxVo
```

Capturer connected to the renderer.

This use case also plays audio (only coarse AV sync is implemented).

Split screen window use cases:

```
VcapVi p2 ----Tee----> VrendGfxVo (layer 0)
                |
                -----> VrendGfxVo (layer 1)
```

Read raw video from file:

```
Fread -----> VrendGfxVo
```

This use case demonstrates reading raw video from file. The case demonstrated is for a planar YUV file in ntsc resolution. Rendering other formats and resolutions require (small) code changes.

Split screen window use case

```
VcapVi p2 ----Tee----> VrendGfxVo (layer 0)
                |
                -----> VrendGfxVo (layer 1)
```

This use case can demonstrate the `deinterlacer` and `eddi` settings.

