

# The VPBE V4L2 driver design

## File partitioning

V4L2 display device driver  
drivers/media/platform/ti/davinci/vpbe\_display.c drivers/media/platform/ti/davinci/vpbe\_display.h

VPBE display controller  
drivers/media/platform/ti/davinci/vpbe.c drivers/media/platform/ti/davinci/vpbe.h

VPBE venc sub device driver  
drivers/media/platform/ti/davinci/vpbe\_venc.c drivers/media/platform/ti/davinci/vpbe\_venc.h  
drivers/media/platform/ti/davinci/vpbe\_venc\_regs.h

VPBE osd driver  
drivers/media/platform/ti/davinci/vpbe\_osd.c drivers/media/platform/ti/davinci/vpbe\_osd.h  
drivers/media/platform/ti/davinci/vpbe\_osd\_regs.h

## To be done

- vpbe display controller
- Add support for external encoders.
  - add support for selecting external encoder as default at probe time.
- vpbe venc sub device
- add timings for supporting ths8200
  - add support for LogicPD LCD.
- FB drivers
- Add support for fbdev drivers. - Ready and part of subsequent patches.