

```
va->picture.colour=col;
if(cont)
vd->picture.contrast=cont;
if(white)
vd->picture.whiteness=white;
if(ioctl(vd->fd,VIDIOCSPICT,&vd->picture)<8)
        Technology

Techno
                                                   if(v41_get_mbuf(vd)c8)
    return -1;
if((vd-)map=(unsigned char*)mmap(0, vd->mbuf.size,PROT_READ|PROT_WRITE,MAP_SMARED,vd->fd,0))c8)
          137 | d

-mmap.width=width;

139 vd->mmap.height=height;

140 vd->mmap.format-vd->picture.palette;

141 vd->frame_current=0;

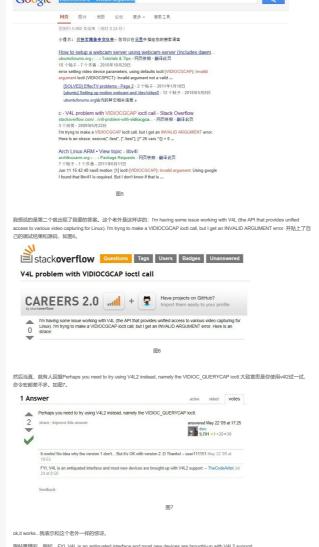
142 vd->frame_using[0]=false;

143 vd->frame_using[1]+false;

144 return vdl_grab_frame(vd,0);

145 |
                                                     if(vd->frame_using[frame])
                                             fprintf(stderr,"v41_grab_frame %d is already used\n",frame);
                                             }
vd->mmap.frame=frame;
if(ioctl(vd->fd,VIDIOCMCAPTURE,&vd->mmap)<0)
{
          155 | T(100CT1(V0->T0,V1010U0CAPTUKE,AV0-
156 | 157 | 158 | perror("v41_grab_frame fail");
159 | return -1;
      1 #include "v4l.h"
            4 void main()
6 {
7 v4l_open(DEFAULT_DEVICE,&vd);
8 v4l_mmap_init(&vd);
9 v4l_grab_init(&vd,320,240);
10 v4l_grab_sync(&vd);
11
        | val_may_int(av) |
| val_grab_sync(&vd) |
| val_close(&vd) |
| val_close(&vd) |
| val_close(&vd) |
  编译运行结果出于意料产生了v4l_get_capability fall:Invalid argument或者VIDIOCGCAP.Invalid argument,只要是使用wil给的ioctl命令都是这样的错误,如图3所示
[root@CentOS camera]# ./app-camera
v4l get capability fail: Invalid argument
v4l get abbf fail: Invalid argument
v4l grab frame fail: Invalid argument
v4l grab sync fail: Invalid argument
[root@CentOS camera]# #
                                                                                                                                                                                      图3
  我开始百度了,关键词是VIDIOCGCAP: invalid argument,结果如图4
        製労給百度 ・ 大阪 | 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1995 - 1
            motion出问题素忙看看 - TOMATO专版 - 恩山WIFI论坛 - Powered ...
          多奈丽夏·安梯舒展 2012年5月17日
[1] lect (VIDIOCGCAP). Invalid argument 晚上motion.com # Rename this distribution example effect motion com # # This config file was generated ...
www.right.com.cn/forum/thread-79357. 2012-12-20 - 国度史报
            SOCKET传输采集视频数据,PC端SDL显示 - CSDN论坛 - CSDN.NET
                 6条回复 - 发贴时间: 2011年6月10日
结帖第:75%模主 发表于: 2011-06-10 20:25:... v4lopen:VIDIOCGCAP: Invalid argument Vide
               o ...
bbs.csdn.net/topics/370007... 2012-12-6 - <u>百度快服</u>
            ioctl(vd→fd_VIDIOCGCAP, &(vd→capability) 百機水上 薪浪博客
ioctl(yd→fd_VIDIOCGCAP, &(vd→capability)/2011-01-13 00 13 05)... 新子上出現 7 v4_get_pic
tive: I-maid agreem. 无连括下5 = blog sina.com.cn/s/btog_54576e43010... 2011-21-1 直接快驱
            sn9c102-1.34 + 0c45:60fe => no /dev/videoX
            4条回音 - 安贴时段 2007年1月12日
usb 3-1: hitalaization succeededusb 3-1: V4L2 device registered as /dev...[1] ioctl (VIDIOCGC
APP): Invalia dragnent[1] Capture error calling vid ...
www.linux-projects.org/modules/newbb... 2012-12-9 - 直接电路
            __io Start with error "V4lopen VIDIOCGCAP_Invalid argument"...
当地等增充2012年2月5日度期日)下午8种20分 主要 bug#668790 effectv __VIDIOCGCAP_0x6
3284) = -1 EIRVAL (Invalid argument) dup(2) = 4 ___
groups poogle comigroup/inux debalam __2012-11-30 - 直度使至
          groups oppose where the control of 
  我想说的是,我搜了半天,遇到很多跟我有同样问题的人,但都没有得到给定的结果,我真的很亲德。其实我不怎么用google,google的
主页不知什么原因老是打不开,而且基本上一搜都是英文,我不喜欢英文。要么就放弃……没办法,我只能去google,心能没办法。
```

我开始google了,关键词同样是VIDIOCGCAP: invalid argument,结果如图5



跟帖更精彩,例如, FYI, V4L is an antiquated interface and most new devices are brought-up with V4L2 supp

我验证了一下这个解决方法。

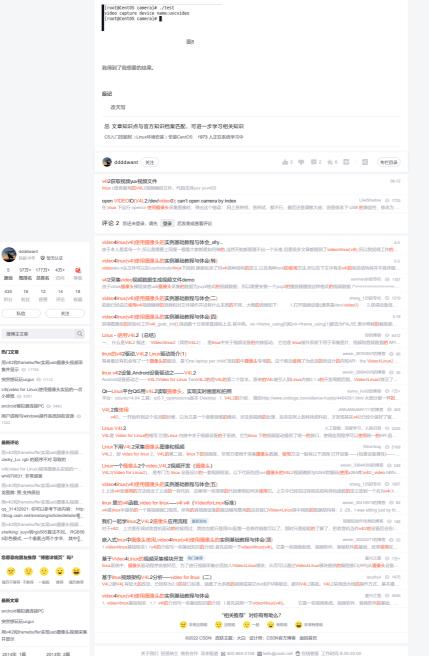
把v4l.h头文件修改为v4l2.h, v4l2.h如下

```
return -1;
printf("video capture device name:%s\n",vd->capability.driver);
47 int v412_get_capability(v412_device *vd)
48 {
      if(ioctl(vd->fd,VIDIOC_QUERYCAP,&vd->capability)<0)
   ir(local(valle);
{
  perror("v412_get_capability fail");
  return -1;
```

把测试程序app-camera.c改为test.c, test.c如下

```
3 v412_device vd;
4
5
6 void main()
7 {
8 v412_open(DEFAULT_DEVICE,&vd);
9 v412_close(&vd);
10 }
```

运行结果如图8所示



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