

SnapShell Camera ID reader

Linux driver installation guide

1) Download the appropriate Linux driver package.

2) Type the command:

```
tar xvzf the_downloaded_package.tgz
```

3) Type the command

```
cd Fx2CamDriver
```

4) Compile the driver by:

```
make
```

5) Change to a super user mode and install the driver by :

```
make install
```

Please note that the driver "Fx2CamDriver.ko" was copied to:

```
/lib/modules/your_kernel_version/kernel/drivers/misc
```

6) You need to change the default permissions given to the device (/dev/Fx2Cam0) by adding:

```
KERNEL=="Fx2Cam*", MODE="0666"
```

the following file:

```
/etc/udev/rules.d/50-udev.rules
```

7) Type:

```
tail /var/log/messages
```

8) Connect the SnapShell, you should get messages like the following

```
[root@localhost ~]# tail /var/log/messages
Nov  5 18:35:39 localhost kernel: usb 5-3: configuration #1 chosen from 1 choice
Nov  5 18:35:39 localhost kernel: Fx2Cam device now attached to Fx2Cam-192
Nov  5 18:35:39 localhost kernel: LoadHex: Fx2 Hex code loaded
Nov  5 18:35:39 localhost kernel: usbcore: registered new driver Fx2Cam
Nov  5 18:35:39 localhost kernel: usb 5-3: USB disconnect, address 68
Nov  5 18:35:39 localhost kernel: Fx2Cam #192 now disconnected
Nov  5 18:35:40 localhost kernel: usb 5-3: new high speed USB device using
ehci_hcd and address 69
Nov  5 18:35:41 localhost kernel: usb 5-3: configuration #1 chosen from 1 choice
Nov  5 18:35:41 localhost kernel: Fx2Cam device now attached to Fx2Cam-192
Nov  5 18:35:41 localhost kernel: LoadBin: FPGA loaded succfully
```

9) The SnapShell is ready for use.

10) Install wine from <http://www.winehq.org/>.

11) You can create a program using the CSSN SDK, test it on any windows machine.

Once you are satisfy, copy the executable *.exe to the Linux machine and type:

```
wine your_windows_application.exe
```

The application should start and run without any modifications.