

Fedora Camera Fix

1. Open **terminal** and do: `cd $HOME`
2. Then run this command: `dnf download --source kernel-modules-extra-$(uname -r)`
3. Then run unzip command to extract the source: `unzip kernel-6.4.12-200.fc38.src.zip -d kernel; cd kernel;`
4. Then extract the **linux-*.tar.xz**: `tar -xvf linux-*.tar.xz;`
5. Then change directory *replace x here* : `cd linux-x.x.xx/drivers/media/usb/uvc`
6. Then Type : `gnome-text-editor uvc_driver.c`
7. Now search for this line with `ctrl+f` **static const struct usb_device_id uvc_ids[] = {**
8. Add the following on the next line:

```
/* Quanta ACER HD User Facing 4033 - Experimental !! */
{ .match_flags          = USB_DEVICE_ID_MATCH_DEVICE
  | USB_DEVICE_ID_MATCH_INT_INFO,
  .idVendor = 0x0408,
  .idProduct = 0x4033,
  .bInterfaceClass = USB_CLASS_VIDEO,
  .bInterfaceSubClass = 1,
  .bInterfaceProtocol = UVC_PC_PROTOCOL_15,
  .driver_info = (kernel_ulong_t) &(const struct uvc_device_info ) {

.uvc_version = 0x010a, } },
```

9. Save this file.
10. Run: `sudo make -j4 -C /lib/modules/$(uname -r)/build M=$(pwd) modules`
11. Now run: `sudo rmmod uvcvideo.ko`
12. Then run: `sudo insmod ./uvcvideo.ko`