

Re: Webcam video to external storage device

Source: <http://sci.tech-archive.net/Archive/sci.astro.amateur/2004-11/1531.html>

From: matt (mariusrf_at_bellsouth.net)

Date: 11/10/04

Date: Wed, 10 Nov 2004 14:46:47 -0500

Anthony Ayiomamitis wrote in message ...

>

>> *One other thing that you may consider if you haven't already is to use the*

>>*raw hack for your webcam to increase quality , this being a purely (free)*

>>*software operation is the least costly improvement .*

>>

>*I will look into this as well, for I do recall seeing something about*

>*this hack at one time. I have also specified uncompressed mode in*

>*K3CCDTools in order to minimize any further image degradation.*

>*Nevertheless, I will check into this raw mode as well.*

>

>*Your input and feedback is very much appreciated!*

>

>*Anthony.*

>

1 – here's a link for the RAW webcam stuff with all the firmware you need:

<http://www.astrosurf.com/astrobond/ebrawe.htm>

2 – The b&w ccd replacement will improve s/n significantly for each frame and therefore require fewer stacked frames and less avi capture time.

<http://www.pmdo.com/wsc3.htm>

<http://www.astrosurf.com/astrobond/ebvnpbe.htm>

3– to significantly increase the bandwidth and frame rate, you could also buy an Ethernet or Firewire webcam . Orange Micro makes a webcam called Ibot Firewire or firewire Pro which use the same Sony icx098AK CCD sensor as the Philips Vesta (avoid the usb2.0 orange micro because that uses a cmos sensor) and does 30fps at 640x480 uncompressed :

<http://www.orangemicro.com/ibot.html>

Here's a website that lists the most widespread webcams and their imaging sensor model # :

sci.astro.amateur: Re: Webcam video to external storage device

<http://homepage.ntlworld.com/molyned/web-cameras.htm>

I'm wondering if anybody tried the Orange Micro firewire with the b&w CCD mod . According to Etienne Bonduelle, the b&w sensitivity was increased 3 fold compared to the icx098ak . That's 3 fold s/n increase, link this with the 30fps should be a killer planet imager.

best regards,
matt tudor