

Introduction

Hristo, Tony and Dave wish to take time off from development to bring interested folk up-to-date with progress of our AstronomicalDigitalVideoSystem.

Product Launch – TTSO7

Astute readers may have noticed that ADVS will be featured at the Trans Tasman Symposium on Occultations No 7, to be held in Invercargill, New Zealand (aka Middle Earth) on the May 27-28 2013. Tony and Dave will be attending TTSO7 to present, display and demonstrate ADVS. See...

<http://ocsec.wellington.net.nz/meetings/TTSO7/index.htm>

Be there or be SQUARE. Book now...

ADVR

Don't mix your acronyms!

ADVR is the Recorder of ADVS. Simple – no?

Shown here is the ADVR-OSD, which can be turned on - as shown, or off - to reveal an uncluttered FOV.

Image is of "Star Chamber" fibre optic lab stars.



AstronomicalDigitalVideoRecorder-OnScreenDisplay = ADVR-OSD

Don't fear – all the relevant data is still being stored in the frame header if the OSD is turned off.

- Central Time of exposure. NO Instrument Delay compensation required for any of ADVS's timestamps anywhere.
- Number of satellites in the GPS fix
- Recording data display. Green "Ready" when not recording.
- Geolocation data
- Frame rate setting. fps = frames per second
- Timing Alert showing number of effected frames (if any).
- Frame number since system start

GREEN times are good times. We guarantee it.

Operating System for ADVR

ADVS is currently supported on Ubuntu 10.04. There are plans to port the software to Windows but we can't promise anything yet because it has not been written, let alone tested. A good rule of life is - Don't promise what you can't deliver! Watch this space...

Cameras for ADVS

There are currently three cameras of the stable of PointGrey Imaging that are supported by ADVS. Each have their attributes and price tags. They are;



Flea3 - FL3-FW-03S1M-C

1/4" 5.6um ccd of 648x488 mono
12bit video data Price about US\$565

Flea3 - FL3-FW-03S3M-C

1/2" 9.9um ccd of 648x488 mono
12bit video data Price about US\$845

Grasshopper EX - GX-FW-28S5M-C

2/3" 5.6um ccd of 1932x1452 mono
14bit video data Price about US\$1995

All cameras are:

- Progressive scan Digital video
- IEEE 1394b (FireWire 800)
- use the vitally important Hirose port for image timing. See below for more information.
- No, USB3.0 cameras are not supported. Sorry.
- For more information visit...

<http://ww2.ptgrey.com>

Hirose GPIO cable

This is purchased from Point Grey Imaging P/N ACC-01-3000 usually when you purchase your camera. Price about US\$35

It is then sent to us for fitting to your ADVS-HTCC



HTCC(HardwareTimerandCameraController)

A new and smaller (sleeker?) HTCC is being developed and tooled for production. Watch this space for details.

What is in the next issue of

The ADVS Times ?

The next issue of *The ADVS Times* will have details on ADVS selling price and will announce the ability to place pre-launch-orders, probably by 1st May 2013

Thanks for your Time

Hristo, Tony and Dave