

ENTRY LEVEL EX VIEW VIDEO CAMERAS SUITABLE FOR OCCULTATION WORK AND BASIC VIDEO ASTRONOMY

as reviewed in SKY & Telescope Feb 2003

Adirondack Video Astronomy is pleased to offer a very basic entry level system for video astronomy. This systems is complete with camera, power supply, c to 1.25 inch adapter, 24 foot of video cable,BNC to RCA, instructions, warranty.

This basic camera system will serve to introduce the imager to Video Astronomy. It is not as full featured as our ASTROVID line but offers a low cost approach to video astronomy. This camera has been in use for some time and is also known as the 164. **It is endorsed by David Dunham of IOTA for occultation work.**

- The cameras are as small as many plossl eyepieces.
- The monochrome cameras will image down to 10th magnitude with a 10 inch SCT at F/3.3.
- This camera is used by many amateur astronomers to perform asteroid occultation work.
- A 1/3 inch SONY EXview CCD is used. This gives the camera increased red and near IR sensitivity.
- We are offering both the high resolution camera and the medium resolution camera.

KT & C MONOCHROME - Medium Resolution Camera KPC-350BH same as PC164

PROS

- GOOD SENSITIVITY
- AFFORDABLE
- EXCELLENT FOR OCCULTATION WORK - ENDORSED BY DAVID DUNHAM OF IOTA
- WORKS WELL ON THE MOON
- FAIR TO GOOD ON THE PLANETS

CONS

- NO MANUAL SHUTTER
- NO MANUAL GAIN
- NO CONTROL BOX
- NO EXTENSION CABLING OR REMOTE PC CONTROL OF CAMERA PARAMETERS

SPECIFICATIONS

lux rating 0.0003 @ f/1.2

Video Resolution (TV Lines) 420

Camera signal composite / monochrome

Size 1.2 x 1.2 x 2.2 inches

weight ounces 2.5

gain control automatic

shutter control automatic

Occultation work done with the KT&C Medium Resolution Camera

[Observing Report on the New PC164C Video Camera
PC-164C being used to record 9th-mag Stars](#)

KT&C MONOCHROME High Resolution 600 line Camera KPC-650BH

PROS

- GOOD SENSITIVITY
- AFFORDABLE
- EXCELLENT FOR OCCULTATION WORK - ENDORSED BY DAVID DUNHAM OF IOTA
- WORKS WELL ON THE MOON
- FAIR TO GOOD ON THE PLANETS

CONS

- NO MANUAL SHUTTER
- NO MANUAL GAIN
- NO CONTROL BOX

SPECIFICATIONS

lux rating 0.0003 @ f/1.2

Video Resolution (TV Lines) 600 lines

Camera signal composite / monochrome

Size 1.2 x 1.2 x 2.2 inches

weight ounces 2.5

gain control automatic

shutter control automatic

IMAGES with MEDIUM RESOLUTION CAMERA

Hello John,

Good news introducing the simpler cameras into your product line, they have many limitations but can be excellent performers doing lunar and planetary imaging along with occultations. The 600 line resolution camera sounds interesting. I will pass along the info to the groups. These images may be of some use, they are all made with the PC164C feel free to use them as you see fit.

Jupiter & Io http://www.lafterhall.com/io_occultation_020414_jferreira.jpg

Saturn, 25cm Newtonian @ f/30 http://www.lafterhall.com/saturn_PC164C_020224cc.jpg

Jupiter, 15cm Maksutov @ f/50 http://www.lafterhall.com/jupiter_15cm_pc164c_020203e.jpg

Gassendi, 15cm Maksutov @ f/30
http://www.lafterhall.com/gassendi_15cm_PC164C_020325c.jpg

Ganymede, 15cm Maksutov @ f/50
http://www.lafterhall.com/ganymede_15cm_020414_jferreira.jpg

Jupiter & Europa, 15cm Maksutov http://www.lafterhall.com/europa_15cm_pc164c_020304n.jpg

Saturn, 15cm Maksutov @ f/30 http://www.lafterhall.com/saturn_15cm_PC164C_020203n.jpg

Beta Orionis, 25cm Newtonian @ f/30 <http://www.lafterhall.com/betaorionis001.jpg>

Video on...
Jim