

GSTAR-EX – Deep Sky and Planetary Camera

Artificial Occulting Disk Function (HIGH LIGHT SET)

One of the great features of the GSTAR-EX monochrome camera is its ability to create a type of artificial occulting disk. Unlike a true occulting disk placed externally in front of telescope optics to block out an extremely bright light source that obscures faint nearby objects in its surrounds, the cameras HIGHLIGHT function (found in the 2nd level menu under Options) can simulate this effect electronically. **This feature is not available in the colour camera or EX2 models.

1) Select OPTION from the Main Menu



2) At the bottom option RETURN use right or left arrow to change to NEXT and press enter.



3) A third menu appears called Option 2. The option called HIGH LIGHT (this is the artificial occulting disk feature)



4) Adjust the amount of setting using the right or left arrow keys.



At right we see the effect as recorded with the GSTAR-EX camera fitted to a Hydrogen Alpha telescope. The over exposed disc of the Sun is effectively cut away to black yielding a less distracting view with less video monitor glow.

By altering camera shutter speeds, the amount of effect is also altered and you can return to viewing disk features easily without having to turn this function off. This means you can later superimpose a detailed photospheric solar disc image over the cutaway view to create a nice complete picture that includes prominences and faculae with sunspots etc.

Note: Can also be helpful when observing Mars for detecting Phobos or Deimos within the planets obscuring glow.

