



THE ATIK 320E

IMAGE THE UNIVERSE IN HIGH DEFINITION.

The new Atik 320E is a 2 million pixel camera offers you the opportunity to take stunning wide field images of the sky at high resolution. As the Atik 314E, its relatively small pixels make it ideally suited to the popular short focal length refractors. The sheer number of pixels allows very high resolution images to be taken which will look great on the web or printed out at A4 and greater sizes.

Like its siblings the Atik 314E and Atik 314L+ it is based on the highly regarded Atik 3 series platform which gives the lowest read noise of any camera currently available to amateur astronomers. The platform features USB 2.0 interface for fast readout, highly efficient cooling and low weight.



FEATURES

- 2 Million 4.4uM square pixels for high resolution imaging.
- Ultra low read noise for great sensitivity.
- Lightweight in order not to cause flexure of the telescope focuser tube.
- High efficient cooling to 25 degrees below ambient.
- Great software for image acquisition and pre processing.

The Atik 314E is available in monochrome or as a one shot color. All of this is being offered at a great price which can be enhanced still further by combing the Atik320E with our Auto Guider offer or the half priced filter wheel offer.

SPECIFICATIONS

Sensor Type	CCD - Sony ICX-274
Horizontal Resolution	1620 pixels
Vertical Resolution	1220 pixels
Pixel Size	4.40 μM x 4.40 μM
ADC	16 bit
Readout Noise	Typical 3 e^-
Interface	USB 2.0 High Speed
Power	12v DC 0.8A
Maximum Exposure Length	Unlimited
Minimum Exposure Length	1/1000 s
Guide Port	ST-4 compatible
Cooling	Thermoelectric with $\Delta T = -25^\circ\text{C}$, switchable on/off by software
Weight	350 gram

IMAGE DOWNLOAD TIMES IN SECONDS.

Binning	Resolution	Normal	Preview
1x1	1620x1220	2.5	1.4
2x2	810x610	1.2	0.68
3x3	540x407	0.58	0.4
4x4	405x305	0.5	0.3
Subframe			
1x1	100x100	0.21	0.1

LINEARITY

