SKYnyx

PLANETARY ASTROPHOTOGRAPHY CAMERAS

Lumenera
corporation

› SKYnyx Planetary Astrophotography Cameras

Highlights
- Sony CCD sensors with excellent sensitivity
- VGA, 1.4 and 2.0 megapixel resolution
- Extremely fast frame rates at full resolution, with no compression
- 8 or 12-bits per pixel
- Low noise for crisp imaging
- ROI and binning supported

Lumenera's SKYnyx series of planetary astrophotography cameras have been specifically designed with both amateur and professional imagers in mind.

The SKYnyx family of cameras offer high sensitivity Sony CCD sensors, and can be powered directly off the USB 2.0 bus with no requirement for external power. Advanced features such as selection of Region of Interest (ROI) and binning provide extremely high frame rates with no data compression.

Superior signal to noise ratios meet astrophotographers demanding needs for high quality images. All SKYnyx cameras have a rugged, anodized aluminum enclosure, providing years of uncompromised imaging and excellent performance.

Capture clear, crisp, planetary, lunar and solar images with SKYnyx cameras.

› CAMERA SPECIFICATIONS

Model	Resolution	Sensor	Pixel Pitch	FPS	Bit Depth	Read Noise	Signal to Noise Ratio (SNR)	Dark Current*	Well Depth	Lens Mount	Color/Mono
SKYnyx2-0	640 x 480	1/3" CCD	7.4 µm	60	8 or 12	10 e⁻	58dB	<1 e⁻/s	40,000 e⁻	T	Color or Mono
SKYnyx2-1	1392 x 1040	1/2" CCD	4.65 µm	15	8 or 12	12 e⁻	66dB	2 e⁻/s	10,000 e⁻	T	Color or Mono
SKYnyx2-2	1616 x 1232	1/1.8" CCD	4.4 µm	12	8 or 12	12 e⁻	60dB	<2 e⁻/s	14,000 e⁻	T	Color or Mono

* Measured at 25°C.

› ASTRO IMAGING SOFTWARE

Control your SKYnyx camera and capture images through our 3rd party software partners. Lumenera is integrated with the most popular commercial, shareware and freeware vendors, including:

- AstroArt (MSB Software)
- K3CCD Tools (K3)
- LUCAM Recorder (Heiko Wilkens)
- MaxIm DL (Cyanogen)
- StreamPix (NorPix)

Lumenera's SKYnyx astrophotography cameras also support a DirectShow interface, allowing camera control by any DirectShow compliant application.

Visit us at www.lumenera.com for direct links to our partner web sites, and for more information.

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