



SKYnyx

CCD ASTROPHOTOGRAPHY CAMERAS





> SKYnyx2-0

Highlights

- CCD sensor with excellent sensitivity
- VGA resolution
- Extremely fast frame rates at full resolution, with no compression
- 8 or 12-bits per pixel

The SKYnyx2-0 is a USB 2.0 CCD camera specifically designed for the astrophotography market. Its superior technology and design are based on Lumenera's Lu075 camera, named a Hot Product in 2006 by Sky & Telescope Magazine. The SKYnyx2-0 surpasses its predecessor with reduced noise levels and power consumption, and features a 640 x 480 pixel format, ROI, and 60 fps (higher with binning). Capture clear, crisp, planetary, lunar and solar images with the SKYnyx2-0.

> SKYnyx2-2

Highlights

- CCD sensor with excellent sensitivity
- 2.0 megapixel resolution
- 8 or 12-bits per pixel
- Low noise for crisp imaging
- ROI and Binning

Providing exceptional sensitivity with low noise characteristics, the SKYnyx2-2 is the new powerhouse in astrophotography. This USB 2.0 camera is based upon Lumenera's highly acclaimed and successful INFINITY2-2 scientific microscopy camera. Its rugged, high quality anodized aluminum enclosure ensures this camera will serve your imaging needs for years to come. Product highlights include ROI, binning, and a signal to noise ratio of >60dB.

> CAMERA SPECIFICATIONS

Model	Resolution	Sensor	Pixel Pitch	FPS	Bit Depth	Read Noise	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 ⁻	<1 e ⁻ /s	40,000 e ⁻	T	Color or Mono
SKYnyx2-2	1616 x 1232	1/1.8" CCD	4.4 µm	12	8 or 12	12 e ⁻	<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:

- AMCap (Noël Danjou)
- AstroArt (MSB Software)
- K3CCD Tools (K3)
- LUCAM Recorder (Heiko Wilkens)
- MaxIm DL (Cyanogen)
- StreamPix (NorPix)
- Windows Movie Maker (XP o/s)

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



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