

 **CELESTRON**

SKYRIS™

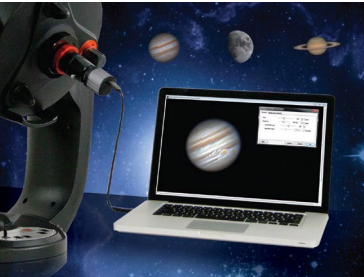


USB 3.0 ASTRONOMICAL CCD CAMERA

**THE UNIVERSE IS YOUR STUDIO –
CREATE YOUR MASTERPIECE.**

- // Six models for planetary, lunar, and solar imaging
- // Highly-sensitive EXview HAD™ Sony Color and Monochrome CCDs
- // High-speed USB 3.0 connection enables fastest framerate possible
- // Capable of capturing exposures in as little as 1/10,000th of a second, for sharper, high-resolution images
- // 12-bit output provides higher dynamic range than standard planetary cameras

For years, The Imaging Source has provided amateur astronomers with high-quality CCD cameras that elevate amateur planetary imaging from a casual hobby into an art form. Now, number-one telescope maker Celestron is thrilled to introduce our game-changing astronomical CCD camera developed with The Imaging Source: Skyris.



Designed for beginning and advanced imagers alike, each of the six Skyris models will make you experience the sky from a completely new perspective as you create stunning planetary images in crisp, high resolution. Superior internal components—including Sony imaging sensors and high-speed USB 3.0 connections—create rapid exposures that capture stable air and dynamic 12-bit image output that outrange the 8-bit of standard planetary CCDs. The external camera housing has been redesigned by Celestron for improved heat dissipation, thereby minimizing the temperature effect on CCD noise. The included Celestron iCap software and stacking software aid with capturing, filtering, aligning, stacking, and exporting your best images. Finally, Skyris comes packaged with several additional useful accessories, including a metal 1.25" nosepiece, optional IR-cut filter, and 10' USB 3.0 cable.

Skyris is available in six configurations, especially suited for these subjects:

- // 618C and 618M: our fastest cameras for color and monochromatic planetary imaging with long focal-length telescopes like Schmidt-Cassegrains and EdgeHDs
- // 445C and 445M: small pixels provide detailed images for color and monochromatic planetary, lunar, and solar imaging
- // 274C and 274M: the biggest sensor, field of view, and pixel array for color and monochromatic planetary, lunar, solar imaging

	Skyris 618C (95510)	Skyris 618M (95511)	Skyris 445C (95512)	Skyris 445M (95513)	Skyris 274C (95514)	Skyris 274M (95515)
A/D conversion	12-bit	12-bit	12-bit	12-bit	12-bit	12-bit
Max frame rate	120 fps	120 fps	30 fps	30 fps	20 fps	20 fps
Imaging sensor	Sony ICX618AQA Color CCD	Sony ICX618ALA Monochrome CCD	Sony ICX445AQA Color CCD	Sony ICX445ALA Monochrome CCD	Sony ICX274AQ Color CCD	Sony ICX274AL Monochrome CCD
Telescope connection	1.25" barrel and C-thread	1.25" barrel and C-thread	1.25" barrel and C-thread	1.25" barrel and C-thread	1.25" barrel and C-thread	1.25" barrel and C-thread
Operating environment	40°C to -40°C (104°F to -40°F)	40°C to -40°C (104°F to -40°F)	40°C to -40°C (104°F to -40°F)	40°C to -40°C (104°F to -40°F)	40°C to -40°C (104°F to -40°F)	40°C to -40°C (104°F to -40°F)
Optical window	None	None	None	None	None	None
Shutter	Global	Global	Global	Global	Global	Global
Software compatibility	iCap, IC Capture, DirectShow	iCap, IC Capture, DirectShow	iCap, IC Capture, DirectShow	iCap, IC Capture, DirectShow	iCap, IC Capture, DirectShow	iCap, IC Capture, DirectShow
Sub-framing	Selectable	Selectable	Selectable	Selectable	Selectable	Selectable
Power requirements	Powered by USB	Powered by USB	Powered by USB	Powered by USB	Powered by USB	Powered by USB
Camera resolution	640x480	640x480	1280x960	1280x960	1600x1200	1600x1200
Sensor size	4.46 mm x 3.80 mm	4.46 mm x 3.80 mm	6.26 mm x 5.01 mm	6.26 mm x 5.01 mm	8.5 mm x 6.8 mm	8.5 mm x 6.8 mm
Pixel size	5.6 micron square	5.6 micron square	3.75 micron square	3.75 micron square	4.4 micron square	4.4 micron square
System requirements	PC laptop with Windows XP/Vista/7/8 & a USB 2.0/3.0 port	PC laptop with Windows XP/Vista/7/8 & a USB 2.0/3.0 port	PC laptop with Windows XP/Vista/7/8 & a USB 2.0/3.0 port	PC laptop with Windows XP/Vista/7/8 & a USB 2.0/3.0 port	PC laptop with Windows XP/Vista/7/8 & a USB 2.0/3.0 port	PC laptop with Windows XP/Vista/7/8 & a USB 2.0/3.0 port
Weight	3.6 oz	3.6 oz	3.6 oz	3.6 oz	3.6 oz	3.6 oz
Warranty	2-year	2-year	2-year	2-year	2-year	2-year

©2013 Celestron. Celestron and Symbol are trademarks of Celestron, LLC. All rights reserved.

CELESTRON AUTHORISED DEALER