



origin

INTELLIGENT HOME OBSERVATORY

OVER **60** YEARS
OF INNOVATIVE TECHNOLOGY

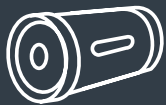


A Legacy of Innovation, A New Era of Discovery

Celestron Origin stands at the forefront of a new era in amateur astronomy, blending stargazing and astrophotography into a single, user-friendly experience. This intelligent, all-in-one home observatory takes the complexity out of traditional telescopes, transforming your backyard into a gateway to the cosmos. Packed with cutting-edge technology, Celestron Origin captures the beauty of celestial objects and brings them to life on your phone or tablet.

Learn more at celestron.com/origin

OPTICS



OPTICAL DESIGN	Rowe-Ackermann Schmidt Astrograph (RASA)
APERTURE	152mm
FOCAL LENGTH	335mm
EFFECTIVE FOCAL RATIO	f/2.2
OPTICAL COATINGS	StarBright XLT coatings throughout
FILTER DRAWER	Integrated, accepts 1.25" or 2" astroimaging filters

IMAGING SENSOR



CMOS IMAGE SENSOR	Sony IMX178LQJ, color, back-illuminated
SENSOR SIZE	8.92mm diagonal
PIXEL SIZE	2.4µm x 2.4µm
NUMBER OF EFFECTIVE PIXELS	6.44M (3096 x 2080)
FIELD OF VIEW	1.27° x 0.85°

INTEGRATED ELECTRONICS



ONBOARD COMPUTER	Raspberry Pi 4 Model B
MOUNT	Computerized GoTo altazimuth mount
DEW PREVENTION	Fully automated heating element integrated into front lens, removable dew shield/lens shade
FOCUS MOTOR	Autofocus or manual control
COOLING FANS	One (1) fan for optics, one (1) fan for electronics, both pull air through vents with wire mesh
LED STATUS RING	Indicates status "at-a-glance"



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PORTS



USB-A	Two (2) on optical tube for accessing raw image files for external processing, one (1) on mount for mobile device charging only
ETHERNET	One (1) on optical tube
AUXILIARY PORTS	Two (2) on optical tube, four (4) on mount

POWER



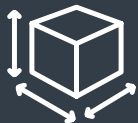
BATTERY	Integrated LiFePO4, 97.9 Wh, capable of 6+ hours of use
POWER INPUT	12V DC adapter for charging internal battery or running on external AC power

USER INTERFACE



CELESTRON ORIGIN APP	Runs on compatible iOS or Android smartphones and tablets
SYSTEM REQUIREMENTS	iOS 16 or higher, Android 12 or higher

DIMENSIONS



OPTICAL TUBE	24" x 7" diameter
MOUNT	18" x 12" x 10"
TRIPOD (COLLAPSED)	13" x 12" x 32"
ASSEMBLED SYSTEM	24" L x 26" W x 48" H

WEIGHT



OPTICAL TUBE	10.6 lb
MOUNT	17.0 lb
TRIPOD	14.0 lb
TOTAL SYSTEM	41.6 lb