



BIG ORANGE BOOK

CHRISTMAS IN JULY EDITION 2020

- Our picks for the ultimate observing and imaging telescopes
- What reviewers are saying about StarSense Explorer
- Celebrate Celestron's Anniversary:  **YEARS OF INNOVATION**





CELEBRATING

60

1960 * 2020



BUILDING ON OUR FOUNDER'S LEGACY

In the 1960s, Celestron's founder, Tom Johnson, created groundbreaking new telescopes never before seen on the consumer market. Since then, Celestron has left its mark of innovation on each passing decade:

- the classic orange tube C8 of the 1970s,
- the first computerized telescope, CompuStar, in the 1980s,
- Fastar f/2 technology that reinvented astrophotography in the 1990s,
- the SkyScout Personal Planetarium in the 2000s,
- and StarSense self-aligning technology in the 2010s.

Today, our world-class team of optical and electrical engineers at our headquarters in Torrance, California, continues to push the boundaries of technology with our RASA optical systems and our new smartphone app-enabled telescope, StarSense Explorer. Just as our founder did, we're revolutionizing the hobby of astronomy for beginners and advanced amateurs alike. And we're just getting started.



1970 - C8



1987 - Compustar

fastar
TECHNOLOGY

1990 - Fastar Technology



2006 - SkyScout



 StarSense
EXPLORER

2020 - StarSense Explorer

YEARS OF INNOVATION

ONLY
600
UNITS

A TELESCOPE 60 YEARS IN THE MAKING

For our 60th anniversary, we've put all of our most cutting-edge technologies into a new telescope that completely redefines the observing experience.

- 1. EDGEHD OPTICS** for views free of coma and field curvature—our very best visual and astroimaging performance
- 2. STARBRIGHT XLT OPTICAL COATINGS** for maximum light transmission and bright, detailed views
- 3. NEXSTAR EVOLUTION MOUNT** with built-in, rechargeable lithium iron phosphate battery to power 10 hours of observing
- 4. INTERNAL WIFI** so you can control the telescope wirelessly via a smartphone or tablet
- 5. STARSENSE AUTOALIGN**, our innovative accessory that allows the telescope to align itself to the night sky in about 3 minutes with no user input
- 6. CPWI TELESCOPE CONTROL SOFTWARE** so you can control your telescope and accessories seamlessly via your PC

This limited-edition scope has an all-new look with a carbon fiber tube, vintage-style badging and logos, a set of interchangeable commemorative “spinner” emblems, and a certificate of authenticity individually numbered and signed by Celestron pioneer Alan Hale and CEO Corey Lee. We're producing only 600 units to commemorate 60 years.



DESIGN YOUR DREAM TELESCOPE: THE ULTIMATE
VISUAL
OBSERVING SETUP



STARSENSE EXPLORER
130 DX

[LEARN MORE](#)



MOON FILTER - 1.25"

[LEARN MORE](#)



STARPOINTER PRO
FINDERSCOPE

[LEARN MORE](#)



POWERTANK GLOW 5000

[LEARN MORE](#)



EYEPIECE AND
FILTER KIT - 1.25"

[LEARN MORE](#)



LENS PEN - OPTICS
CLEANING TOOL

[LEARN MORE](#)

StarSense Explorer OPENS STRONG

“ The StarSense Explorer LT 80AZ is a **solid option for those looking for a telescope**, especially those who have never used one before, or want a telescope that can grow with their family. It's lightweight yet sturdy, and the StarSense app that pairs with it makes the telescope much (much) simpler to locate objects in the sky. ”

– Gear Brain

“ It really is quite the outdoor treat, **perfect for families** who are stuck at home. ” – Droidlife

“ This is where Celestron's new StarSense Explorer auto-locating telescope and companion app comes in. **It eliminates the technical hurdles of using a telescope** and lets anyone locate stars and nebulae with just a smartphone.. ” – Wired

“ **What drew me to the DX 130AZ is the interface.** I've tried to use telescopes in the past and found them to be extraordinarily complex to sight in, making it too challenging to enjoy. Watching YouTube videos, Celestron showed what looked to be a simple game-like experience of getting the device calibrated, and by using your phone as a side-car for processing power, the ability to be looking at distant objects in the night sky in a matter of minutes. That's exactly what I needed.” – Gaming Trend

STARSENSE EXPLORER AWARDS & ACCOLADES



IDA Design Award – Education/
Teaching Aids Gold Winner 2019



IHS Markit ShowStoppers
CES 2020 Innovation Award



IDA Design Award – Education/Self
learning device Silver Winner 2019



IDA Design Award – Education/Self
learning device Silver Winner 2019



CELESTRON IN THE NEWS

PRO-AM COLLABORATION

FIRST DISCOVERIES OF A PRO-AM EXOPLANET SURVEY

BY: STEVE MURRAY | JUNE 5, 2020 | 1

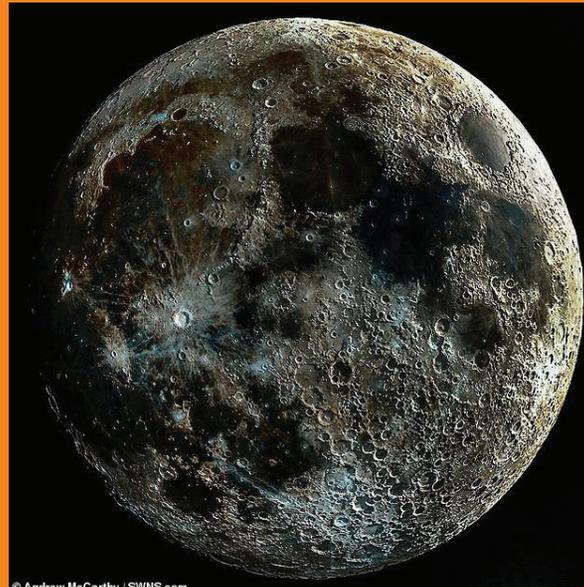


Using the **Celestron RASA 11" and 14" EdgeHD telescopes**, Amateur astronomer Paul Benni and researcher Artem Burdanov have teamed up to fill an important niche in exoplanet research.

[READ ARTICLE](#)



A California astroimager captured thousands of lunar phases with his **Celestron 8" EdgeHD optical tube** and used stacking software to create an amazingly detailed lunar image!



© Andrew McCarthy / SWNS.com

[READ ARTICLE](#)

NEW! CELESTRON APPAREL

Celestron has joined forces with **Threadless** to offer a new collection of Celestron apparel and novelty items that the whole family will enjoy. Now you can show your Celestron pride anywhere.



CELESTRON

threadless

Shop Official Celestron Apparel and Accessories for the Family through our partnership with Threadless

[SHOP APPAREL](#)

DESIGN YOUR DREAM TELESCOPE: THE ULTIMATE

IMAGING

OBSERVING SETUP



POWERTANK LITHIUM PRO

[LEARN MORE](#)



HD PRO WEDGE

[LEARN MORE](#)



DEW SHIELD DX FOR C11

[LEARN MORE](#)



FOCUS MOTOR

[LEARN MORE](#)



OFF-AXIS GUIDER

[LEARN MORE](#)



M42 SPACER KIT

[LEARN MORE](#)

CPC DELUXE HD 1100

[LEARN MORE](#)



Regal ED Binoculars

What is **ED** glass, anyway?

REGAL™ 



8X42 MM

[LEARN MORE](#)



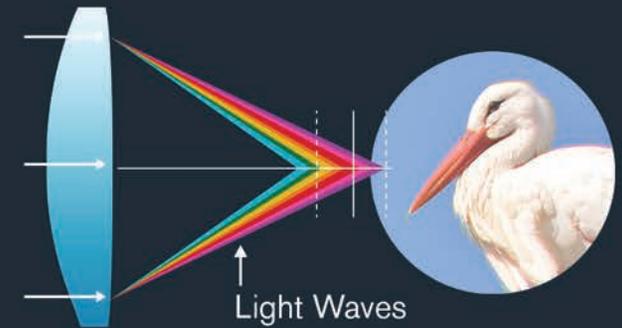
10X42 MM

[LEARN MORE](#)

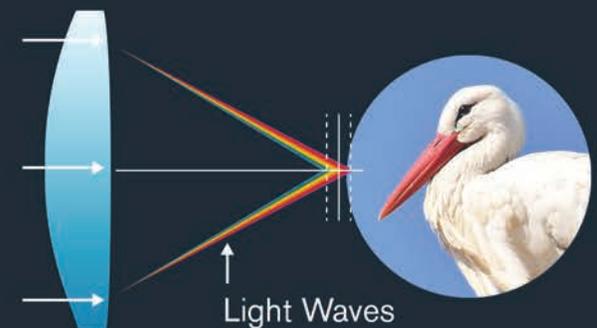
Regal ED Flat Field Binoculars build on the success of Celestron's customer-favorite Regal ED spotting scope line. With both ED objective lenses and flat field lenses, these binoculars provide sharp, expansive views and of a high degree of accurate color resolution.

Extra-Low Dispersion (ED) glass virtually eliminates chromatic aberration, also known as color fringing, a distracting visual effect produced when different wavelengths of light disperse while transiting optical lenses. By reducing dispersion, the Regal ED binoculars provide images with outstanding, true-to-life color. But not all ED binoculars are created equal. Celestron's high quality ED glass objective lenses deliver visibly brighter, sharper images compared to non-ED binoculars. The difference is especially apparent in low light conditions, such as at dawn or dusk.

Standard Glass



ED (Extra Low Dispersion) Glass



#DearCelestron

Celestron experts have been on social media answering your questions so YOU can get the most out of your Celestron gear!

Have you missed any? Check out all the latest videos below.



How Stars Look in a Telescope



Exploring the Night Sky with Binoculars



The Best Beginner Telescopes for Astroimaging



**How to Choose a Beginner Telescope
in your Price Range**



How to View Comet NEOWISE and Other Comets

Want to submit your own question?
Post it on your favorite social network
with the hashtag **#DearCelestron**



CELESTRON

FAN IMAGES



Tim Sullivan captured Thor's Helmet (NGC 2359) in the constellation Canis Major. This image is the result of 78 minutes of exposure

TAKEN WITH



ADVANCED VX 8"
SCHMIDT-CASSEGRAIN
TELESCOPE



Jarrett Trezzo captured a Double Cluster (NGC 869 & NGC 884) with his RASA 11" optical tube under a nearly full moon.

TAKEN WITH



RASA 11" OPTICAL TUBE