

UNDER EMBARGO UNTIL JUNE 7<sup>th</sup>, 3:00 PM CEST



# UNISTELLAR

## Unistellar reveals the wonders of the universe to city dwellers

*Marseille and San Francisco, June 7, 2023.* Unistellar, the pioneer and market leader in smart telescopes, announces the launch of its one-of-a-kind Deep Dark Technology, allowing city dwellers to rediscover the joys of stargazing. This remarkable advancement is capable of eliminating city light pollution so that even the most imperceptible celestial objects are revealed with striking contrast.

Year after year, people living in large cities around the world are losing access to the stars and the deep sky. A [recent international study](#) shows that the brightness of city skies is increasing by approximately 10% per year, reducing the number of visible celestial objects at the same rate.

Designed by Unistellar, [Deep Dark Technology](#) is integrated into the company's smart telescopes to automatically eliminate interference caused by city lights. Even in very bright urban areas, the technology instantly transforms the image so that its black background is as intense as the depths of space, revealing celestial objects with impressive clarity. The Ring nebula displays its vivid blue, green, and red hues, and the Cigar galaxy, located 11.4 million light-years away, showcases the picturesque shape and details for which it is named.

By analyzing the many images of the sky captured by its user community, Unistellar has developed exclusive algorithms able to automatically distinguish the light signal coming from celestial bodies from noise and light pollution, which makes it possible to map the light pollution in each observed image. This interference is then filtered and removed automatically, allowing the celestial object being observed to shine through. With the one-of-a-kind innovation in Deep Dark Technology, all Unistellar customers can once again reap the benefits of the company's cutting-edge advancements.

"As more and more people choose to live in urban areas, it is more important than ever for Unistellar to give city dwellers the opportunity to enjoy exploring and learning about the universe," explains Laurent Marfisi, co-founder, and CEO of Unistellar. "Thanks to the radical innovation of our Deep Dark Technology, Unistellar telescopes cut through the haze of light pollution that has kept us from exploring the stars from our place in the city."

Deep Dark Technology is already available on all Unistellar smart telescopes, helping to make the eQuinox 2 and the eVscope 2 the ideal instruments for experiencing the wonders of space on any occasion.



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## DEEP DARK TECHNOLOGY

Automatic detection and removal of light pollution

Image/Observation  
**Before** Deep Dark Technology



Real time  
Image/Observation  
**After** Deep Dark Technology



1

Real time image  
scan and analysis

2

Definition of the  
Light Pollution Map

3

Exclusive image  
processing algorithms

Available for all Unistellar users and compatible with all versions of Unistellar Smart Telescopes  
Unistellar App needs to be updated to version 2.4



## **About Unistellar**

Unistellar is the creator of the world's most powerful and easiest-to-operate smart telescopes. The company's proprietary and patented advancements in optics and imaging, as well as its line of connected products, makes immersion in the wonders of space possible for everyone, even with light pollution in the middle of a city.

The market leader in smart telescopes, Unistellar offers a one-of-a-kind space observation and discovery experience in the United States, Europe, Japan, and many other countries. The company has received two CES Awards, in 2018 and in 2022.

Through partnerships with leading scientific institutions like NASA and the SETI Institute, Unistellar has built the world's first citizen astronomy community. The Unistellar network's decisive contribution to planetary defense research has already been recognized by the leading journal Nature.

For more information about Unistellar, visit <http://www.unistellar.com> and follow us on [Facebook](#) and [Twitter](#).

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