Seestar Application Update Guide
## ver.2.2

Starry Guide
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A. New feature of ver.2.2

1. Added Inteligent Denoising feature

When Seestar takes pictures in Deepsky mode, it does so with high sensitivity (gain), which results in a lot of noise in the images. This noise decreases as the shooting time increases (the number of stacked images increases), but it is not completely eliminated.

For such images, "denoise" (noise reduction) can be performed to clean up the image.The Seestar application now includes an **intelligent denoise feature**.

Press the denoise button [✨] **during image capture** to perform noise reduction processing in the app and display the finished image. Press the **output** button in the lower right corner to **download** the image to your smartphone or share it via SNS (**Export**).
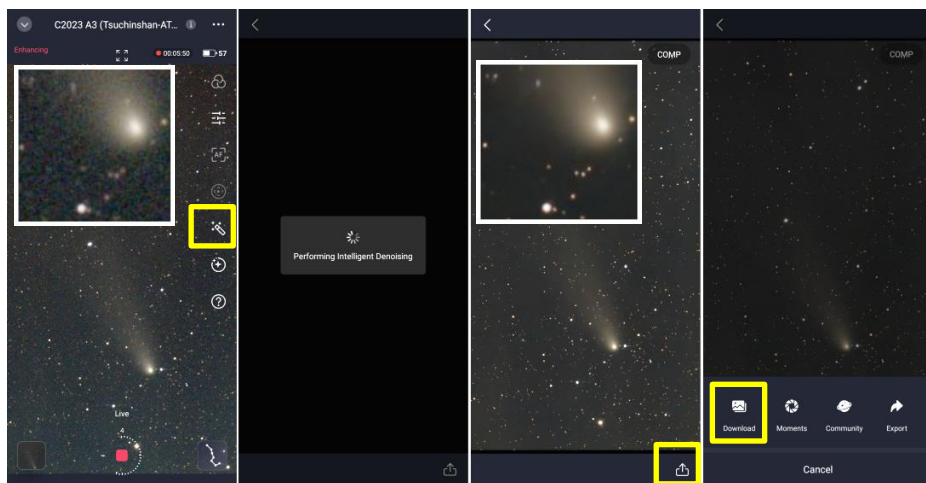

denoise during capture comet   download denoised image

Even after shooting, you can connect to Seestar and display images stored in Seestar in My Albums, and tap the "denoise button ✨ " displayed in the upper right corner to denoise the image.

2. Added manual brightness adjustment for planetary targets and scenery modes

In the Lunar mode, brightness could be adjusted to +/-100 against **Auto**, in addition adjust gain and shutter speed by **Manual**.

Now, the Planetary mode and Scenary mode also have **Manual** adjustment function.
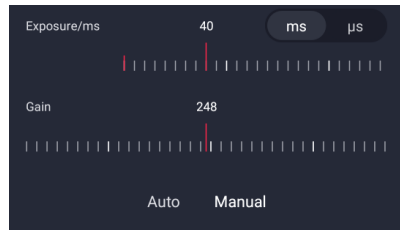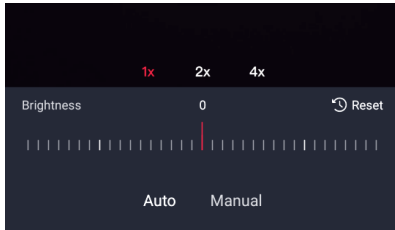

In Planetary mode, for example, you may want to take video of Jupiter's four major satellites being obscured by shadows at a specified shutter speed. In Scenary mode, it could be used for night scenes.

3. Added real-time enhancement on/off

Seestar normally start taking image as soon as point at a celestial object, and do the llive stacking process.

There is a switch on the **Advanced Feature** that allows you to turn off the immediate start imaging and start imaging on your own.
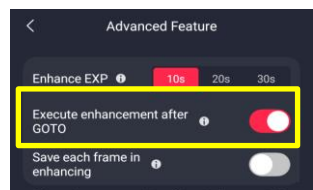
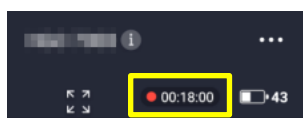## 4. Added continuous shooting feature

A **continuous shooting** feature has been added that does not perform **live-stack** shooting after pointing a celestial object. Even if a star does not appear in the image due to a passing cloud, or even if the star tracking fails, the camera will continue to take images.

The captured images are saved in the **"Object name-sub"** folder of Seestar.

This feature can be used, for example, to track changes in luminosity of variable stars or to photograph fast-moving asteroids.

To use the **continuous shooting** feature, turn off **Live** in the **"Advanced Feature"**.

In Live-Stack, the total exprosure time is displayed in the upper right corner of the screen during shooting. In **Continuous shooting** feature, the number of pictures taken is displayed in the upper right corner of the screen.


live stacking shooting

continuous shooting

4．Added display new joystick, and stop diurnal tracking

Until now, a [○] mark meaning joystick was displayed in the center of the smartphone or tablet, and when this was tapped, the joystick appeared and the telescope direction could be controlled.

Now there is a new joystick button [⊕] on the right side of the screen, and the joystick has a new design.
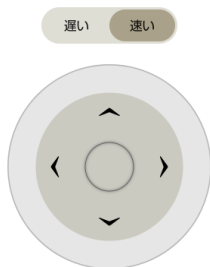
old Joystick

New Joystick

The new joystick has a **Track** button at the bottom. This turns Seestar off and on for tracking the diurnal motion of celestial objects. When **Track** is **red**, Seestar will track, and when it is **white**, Seestar will not track. By turning it off, you can observe the diurnal motion of celestial objects.

5. Added icon description

With the increased number of functions in Deesky mode, the number of icons on the right side of the shooting screen has increased. If you are not familiar with them, you may not know which button is for what function.

Tap the bottom **?** at the bottom, you will see the purpose of each icon.