



Flow Fire Games

SUPER SAMPLING SSAA

www.flowfiregames.com
flowfire@inbox.com

How to use:

Simply apply the **SuperSampling_SSAA** script to your camera, and you're done! Adjust the desired amount of scaling in the inspector, or call **ChangeScale()** via script. To remove the effect, simply remove the Inspector script or call **GameObject.Destroy()** Setting the Resolution Multiplier to 1 also disables the effect.

Multi Camera Setups: Add SSAA to all cameras, clear flags as usual.

(First camera: Clear with **Background / Skybox**, for the other cameras: **depth only** or **don't clear**.)

Add your world space UI (if existing) on a camera on top (using the highest depth value), no SSAA is needed here.

Dynamic Output Resolution may help if your game resolution does not match your screen resolution (Oculus)

SSAA Features various sampling methods as of version 1.2:

- | | |
|---------------------------|--|
| - Nearest Neighbor | - Fastest, and with sharpest look and edges. (Multiplier: 1-2) |
| - Bilinear Sharper | - compromise between the soft Bilinear and sharp NN (1-2) |
| - Bilinear Default | - a softer image (1-2) |
| - Bilinear High | - a softer image, optimized for high scaling (2-4) |
| - Lanczos High | - smoothest image, optimized for high scaling (2-4) |

Additional Info:

Super Sampling is a quite performance intensive method and is best used with care. Resolution Multiplier values above 1 will improve image quality at increased performance cost, while values below 1 may be used to reduce rendering time by lowering image quality. Keep in mind that some Algorithms may not improve, even degrade your image below a certain scaling. Nearest Neighbor scales very linearly, while both "High" start looking good at a Multiplier of 2.

The resolution Multiplier of **1.25 - 2** brings great visual results at reasonable performance cost, and values over 2 should be used with caution. Multiplier 2 already gives a very high quality image and can be considered "luxury". Letting your user choose his/her own value is generally a good idea in case of games and makes sure your project properly uses end-user hardware and looks good a couple years down the road!

View the change log in your Asset Store download window. If you enjoy SSAA, consider giving us a rating (or shoutout), more interest allows us to add more features and polish! **Have fun!**



Our other assets:
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