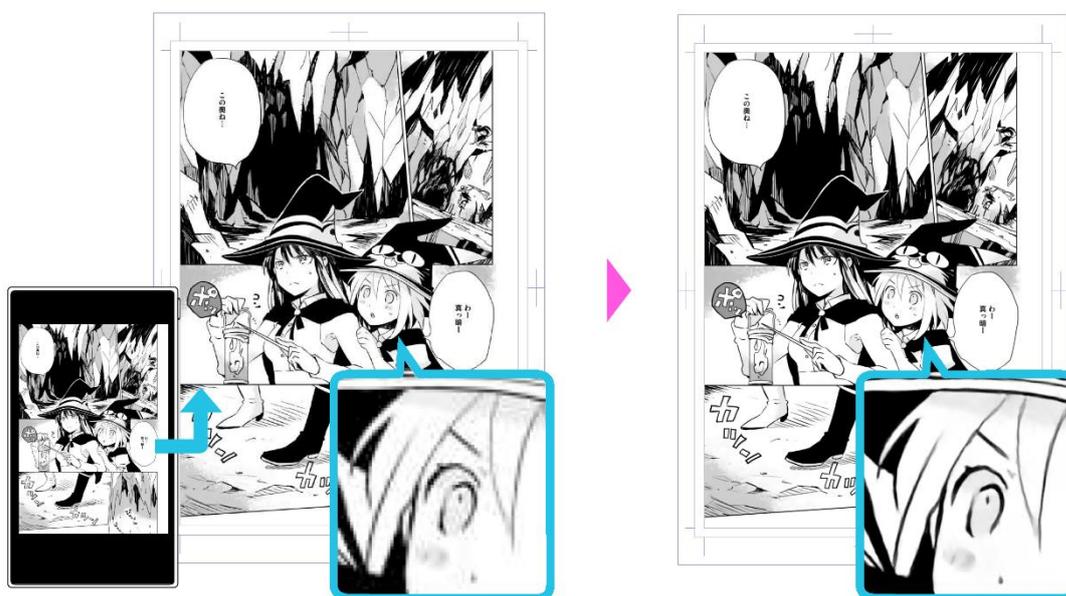July 17, 2019

Celsys,Inc.

Clip Studio Paint Adds New AI Smart Smoothing Feature
AI Library Created with ailia SDK Developed by ax Inc. & Axcell Corporation

Celsys is pleased to announce the release of Clip Studio Paint Ver. 1.9.1, featuring the new Smart Smoothing feature using AI (deep learning) technology. This feature converts images to reduce jaggies and noise caused by changing the resolution of images or resizing images.

Current users of Clip Studio Paint can update to the latest version of the software for free. The feature will be available on DEBUT, PRO, and EX versions on Windows, macOS, and iPad versions as a technology preview* feature.

Smart Smoothing uses AI deep learning technology to reduce jaggies and noise caused by changing the resolution of images or resizing images. It can be used to clean up low-resolution images created as web content so that they can be printed, or to smoothen lines that have been blurred by transformation (increased size).

Increase low-resolution image
to printing size

Use Smart Smoothing
on enlarged image

※ Printed image

The Smart Smoothing feature uses an AI module developed by Celsys, as well as the deep learning framework "ailia SDK" developed and distributed by ax Inc. and Axcell Corporation. Smart Smoothing joins the existing AI features "Colorize," "Remove tones," and "Pose Scanner." Although these AI features previously introduced to Clip Studio Paint have required an Internet connection, the new Smart Smoothing feature will work without an Internet connection.

Celsys has supported creators through technology since its foundation, and will continue to develop AI tools as a means of supporting creators.

▼ Previously released AI features
Colorize & Remove tone: https://www.clipstudio.net/en/dl/release_note_old#csp184
Pose Scanner: https://www.celsys.co.jp/en/topic/20190228

▼ Read the full release notes
https://www.clipstudio.net/en/dl/release_note

＊ Smart Smoothing is a technology preview feature. Technology preview functions are released for users to test out before the official release. They may change when they are officially released.

See our Terms of Service for more information: https://www.celsys.co.jp/en/information/csp/

ax Inc. & Axcell Corporation

In addition to sales of the deep learning framework ailia SDK, ax and Axcell provide a variety of solutions related to AI implementation, such as consultation on AI implementation, AI training support, and porting to multiple platforms.

ax Inc. : https://axinc.jp/en/
Axcell Corporation : https://www.axell.co.jp/en/

About ailia SDK
Ailia SDK is a deep learning framework specializing in edge detection. This framework offers the fastest level of computing by using cross-platform GPU processing. With the ability to write in C++, the AI technology can be ported to edge devices.

More on ailia : https://ailia.jp/en/

CELSYS,Inc.

CELSYS supports creators globally in the production, browsing, and distribution of digital art utilizing IT technology.
We provide solutions for content creation, distribution, and browsing, including support of creative activities through our illustration, manga and animation production software "Clip Studio Paint" and web service "Clip Studio", as well as our e-book solution, "Clip Studio Reader".

Corporate site: https://www.celsys.co.jp/en/
Clip Studio Paint site: http://www.clipstudio.net/en/
Instagram: https://www.instagram.com/clipstudioofficial/
Twitter: https://twitter.com/clipstudiopaint
Facebook: https://www.facebook.com/celsys.clipstudiopaint/

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