Photo Sumo Version

PhotoSumo Pro

PhotoSumo Pro is a professional, fully automatic photo correction application for photo and graphic arts professionals. In addition to incorporating all basic functions, users can customize the expert system's parameters to tailor made to their, or their clients' requirement. It is customized via a preferences window; this preference setup can be named and saved to be used again. Customizable features include: Dark details, White balance, Color saturation, Selective hues, Sharpen/Soften, Paper type, Input/Output device and Print size and resolution. PhotoSumo Pro enables multiple size setting (smart scaling) and crop options. It also supports enhancement of hundreds of photos in a set, and Conversion of RGB to CMYK,

PhotoSumo Server

PhotoSumo Server is designed for Mini and Large Photo labs, as well as automated graphic arts workflows. In addition to PhotoSumo Pro features, PhotoSumo Server offers fully automatic red-eye detection and correction, and automatic workflow capabilities. A Photo lab owner can define an input Hot Folder, as well as destination Hot Folders. PhotoSumo Server monitors the input Hot Folder and starts working on sets of photos upon arrival. PhotoSumo Server will detect any custom scripts and incorporate those into the automated Hot Folder processing. The enhanced set is then sent to the predefined output folders, for printing, CD, or other use.

PhotoSumo is also tightly integrated with the Express Workflow, offering smart selection of photo processing setups based on photo characteristics written in the EXIF information.

Original Image	Color Corrected Image

System Requirements

Recommended System Specification

CPU: Intel Core 2 Duo E8200 or above
RAM: 2G RAM or above
Main Disk: SATA 80GB (7200 rpm) with 8 MB cache
Data Disk: SATA 250GB
OS: Win XP Pro, Win 2003 SBS Server, Vista Ultimate

Features Comparison

Features		Pro	Server
1. Auto Image Correction / Enhancement	a. Exposure	✓	✓
	b. Dark Details	✓	✓
	c. Adaptive Sharp	✓	✓
	d. Color look (17 predefined sets)	✓	✓
	e. Color Cast	✓	✓
	f. Adaptive Brightness	✓	✓
	g. Adaptive Contrast	✓	✓
	h. HUE (Selective,Global)	✓	✓
	i. Generic look	✓	✓
	j. White Balance	✓	✓
	k. Color Temperature	✓	✓
	l. SkinTone enhancement	✓	✓
	m. Local enhancement	✓	✓
2. ICC transformations	a. Accept Source / Dest / Display Profs	✓	✓
	b. Rendering intents	✓	✓
	c. Embedded / Source Prof	✓	✓
	d. Transform image to Dest	✓	✓
3. Embed ICC Profile	a. Keep embedded Prof (non-ICC wf)	✓	✓
	b. Embed Dest. Prof	✓	✓
4. Scaling	a. Change Width / Height.	✓	✓
	b. Change Res.	✓	✓
	c. Keep all image (add white margins)	✓	✓
	d. Predefined Sizes (Inch / Metric)	✓	✓
	e. Scaling & keep proportions by:		
	- One Size (Width or Height)		✓
	- Final image Size in pixels (megs)		✓
	- New Width and New Height		✓
5. Crop	a. Auto Crop by Size & Proportions	✓	
	b. Scale Crop rect, keep proportions	✓	
	c. Move Crop rect	✓	
	d. Change Crop rect	✓	
6. RAW	a. Auto Process		✓
7. Red Eye removal	a. Detection: Semi auto (click)	✓	✓
	b. Correction: auto	✓	✓
8. EXIF data	a. Keep EXIF data	✓	✓
	b. Write Photo Sumo current Prefs	✓	✓
9. Save Images	a. Keep Original format	✓	✓
	b. JPEG rgb	✓	✓
	c. Tiff	✓	✓
10. Customize the Expert System	a. Change Prefs	✓	✓
	b. Save Prefs	✓	✓
	c. Call custom Prefs	✓	✓
11. HOTFOLDERS	a. Single HotFolder		✓
	b. Multi Hotfolders		✓
	c. Server Multi HotFolder		✓
	d. Custom Prefs for each Set		✓

PhotoSumo is an automatic photo optimization and conversion application, designed for digital photo enthusiasts, professional photographers, photo labs and solution providers in the digital imaging and graphic arts markets. With it's unique Intelligent Expert System (IES), PhotoSumo provides simplicity, accuracy and quality to improve digital images significantly. It helps to increase productivity and have it ready for printing or viewing instantly.

Production Family

Designed to streamline photo production

PhotoSumo

Introduction

Automatic Photo Correction & Optimization

At the heart of PhotoSumo is a comprehensive, rule-based Intelligent Expert System (IES) that automatically optimizes and enhances digital image files, preparing them for printing or viewing. Using sophisticated "fuzzy logic" and "artificial intelligence" (AI) algorithms, PhotoSumo, in effect, emulates the decision-making expertise of a traditional color expert, or digital imaging professional, to analyze, correct and produce high-quality image files. From these files, anyone from a photo lab technician to a photo hobbyist; from a publishing house to a minilab at the corner drug store can create exceptional images that are accurate in every way.

Highlight

- *Auotmatic Photo Correction & Optimization*
- *Saving Man-hours for Photo Editing*
- *Workflow Capabilities*
- *Simple and Easy-to-use*
- *High Productivity - Superior Quality*
- *Easily Integrated and Customizable*
- *Supports ICC Profile Transformations & Embedding*
- *Rule-based Intelligent Expert System (IES)*
- *Automatic Image Exposure, White balance, Contrast, Color, Sharpness Correction & Noise Reduction*
- *Segmentation Based Skin Tone Enhancement*
- *Red Eye Detection and Correction*
- *Smart Scaling & Image Cropping*
- *Advanced Manual refine / correction*

compose

An Open Future
www.compose.com.hk www.compose.co.uk www.composeusa.com

Features and Benefits

Expert Functionality

PhotoSumo acquires and analyzes photos as a human graphic-art expert would. It looks for problems associated with under or over exposure, contrast, brightness, color and details, and then corrects the problems automatically to obtain optimal, quality results. Red-eye can be corrected to natural eye color automatically. The original and corrected photos are then displayed side by side, for easy comparison and selection.

Saving Man-hours on photo editing

PhotoSumo eliminates infinite man-hours spent on fixing images in Photoshop or other image editing programs. It is an affordable technology built by a former chief color scientist at Scitex; the result is applicable to Photography and graphic arts industry. It gives digital photography professionals, designers, and prepress professionals in the digital imaging and graphic arts markets a sophisticated, high volume, automatic digital image correction solution that not only speeds up processing, but also makes more digital pictures useable with just a click of the mouse.

Color Fine Tuning Tools

PhotoSumo provides an unique Workflow Color Adjuster which enables users to fine-tune the photo color reproduction. For example, if the rendition of the colors for some photos are too warm, or if the colors have shifted because of the particular lighting conditions, you may fine-tune the color gamut using Workflow Color Adjuster to correct this color bias.

Skin Tone Color Adjustment

PhotoSumo provides advanced skin tone color adjustment tool to optimize the skin color hue, saturation, contrast, sharpness and individual controls on lighter and darker skin colors.

Advanced skin tone color adjustment tool
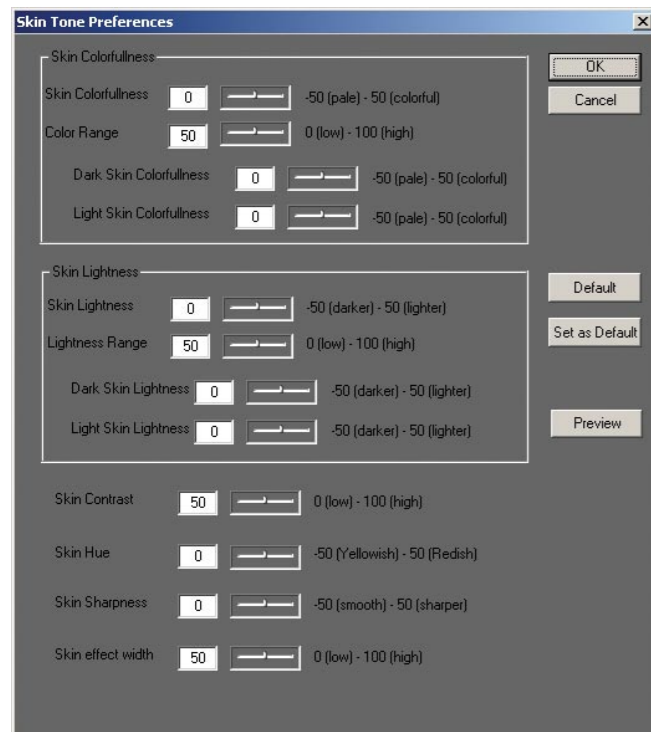
Intelligent Sharpening

PhotoSumo offers intelligent sharpening which provides separate controls on sharpening for big and fine details and at the same time provides adaptive smoothening and noise reduction.

Cropping and Smart Scaling

After optimizing the photo quality, users can scale and crop the photos to a certain photo-print size. Users can select from a list of pre-set size, or can enter any custom size for the photo-print paper. Users can also define the resolution to generate the photos to suit the print requirement. If the photos do not proportionally fit the photo-print paper, PhotoSumo can crop the photos to the proportions of the photo-print paper.

RGB to CMYK conversion.

PhotoSumo can convert the original photos to the color format suitable for your RGB or CMYK photo printers using industry-standard ICC color conversion. Users can choose the source photo color space, and the target printer color space and the rendering intent for maximum control. This is a powerful tool to generate the right format for different print requirement.

Corrected

PDF and Raw support

Apart from supporting popular image formats such as JPEG and TIFF, PhotoSumo also supports PDF and Raw files. In particular, raw files conversion incorporates luminance and saturation noise reduction, and controls on the color saturation and lightness are also provided.
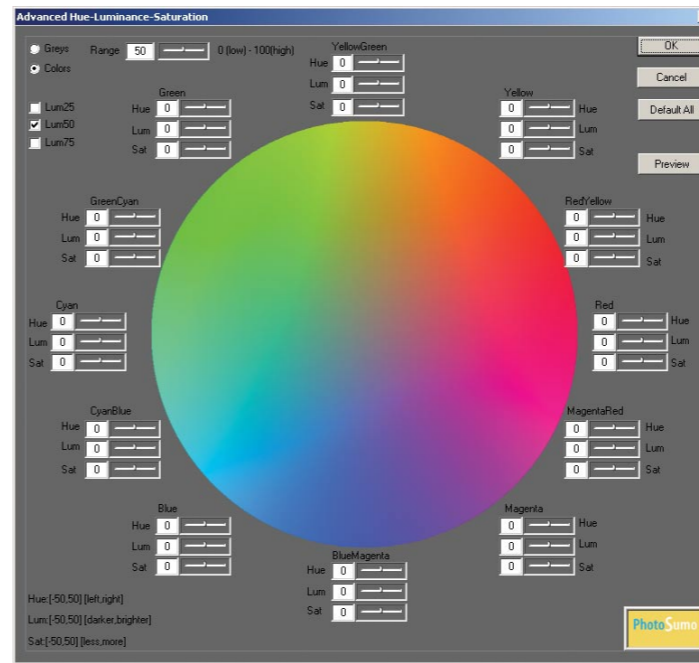
Workflow Capabilities

PhotoSumo Server provides workflow capabilities such as predefined Hot Folders, and quick production of thousands of pictures per hour that is customizable to fit users needs, PhotoSumo is a user-friendly solution for professionals. PhotoSumo can also tightly integrated with the Compose's Express Workflow, offering smart selection of photo processing setups based on photo characteristics written in the EXIF information.

Customizability

PhotoSumo customized through a preferences window that can be named and saved and be used later. Customizable options include: Dark Details, White Balance, Colour saturation, Selective Hues, Sharpen/Soften, Paper Type, Input/Output Device, Print Size & Resolution. It also enables multiple size setting (smart scaling) & cropping, and conversion from different RGB space into CMYK.

PhotoSumo Intelligent Expert System (IES)

Advanced Hue-Luminance-Saturation tool provides extra control on the Hue, Luminance, & Saturation preference of the setting.

Corrected

Advanced Sharp Smooth Noise settings provides separate controls on sharpening for big and fine details and at the same time provides adaptive smoothening and noise reduction.