

ADOBE® PHOTOSHOP® CS3 EXTENDED

Discover new dimensions in digital imaging



Product overview

Get everything in Adobe Photoshop CS3 software and more with Photoshop CS3 Extended, which enables you to edit 3D and motion-based content and perform image analysis.

Edit 3D and motion-based images

3D image editing

▶ 3D compositing and texture editing

Easily render and incorporate rich 3D content into your 2D composites—even edit textures on 3D models directly within Photoshop Extended and immediately see the results. Photoshop Extended supports common 3D interchange formats, including 3DS, OBJ, U3D, KMZ, and COLLADA, so you can import, view, and interact with most 3D models.

▶ Integration with Adobe Acrobat® 8 software

Create, modify, and collaborate on 3D content more easily through tight integration between Photoshop CS3 Extended and Acrobat 3D software. Convert myriad 3D CAD formats to the robust U3D interchange format, enhance models and create composites with Photoshop Extended, and easily embed 3D models created in Photoshop Extended into PDF files to distribute for review.

▶ Enhanced Vanishing Point with 3D support

Edit in perspective on multiple surfaces—even those connected at angles other than 90 degrees—with the enhanced Vanishing Point, which also lets you measure in perspective; wrap graphics, images, and text around multiple planes; and output 2D planes as 3D models.

Video and animation design

▶ Movie Paint

Enhance video directly within Photoshop Extended. Now you can paint, add text, and clone over multiple frames of an imported video sequence.

▶ Smooth animation workflow

Easily create animations from a series of still images or video frames with a new Animation palette that enables onion skinning.

▶ Broad video format support, including QuickTime

Import QuickTime movies and most AVI and MPEG files, and output video and animations to MOV, AVI, MPEG-4, FLV, 3G, FLC, H.264 (iPod), and DV Stream.

▶ Video layers

Create and edit images for video with maximum quality and a broader range of color models. Edit and enhance grayscale, RGB, CMYK, and LAB models at 8-, 16-, and 32-bit depths with color management.

Analyze images with precision

Measurement, counting, and edit-tracking tools

▶ **2D and 3D measurement tools**

Extract quantitative information from images with new measurement tools. Easily calibrate or set the scale of an image, and then use any of the Photoshop Extended selection tools to define and calculate distance, perimeter, area, and other measurements. Record data points in a measurement log and export data, including histogram data, to a spreadsheet for further analysis.

▶ **Scale Marker**

Show scale in images destined for presentation or publication using the Scale Marker, which lets you easily add a scale graphic to any image.

▶ **Count tool**

Easily and accurately count objects or features in scientific images with the Count tool, which eliminates the need to perform manual calculations or rely on visual assessments of changes from image to image.

History palette and Edit History log

Undo and redo any set of editing steps in an open image with the History palette, and automatically track all editing steps within your files with the Edit History log. Export steps to a text file or save them as part of image metadata for easier documentation of your work, file audits, and more.

Support for manufacturing, medical, and scientific workflows

▶ **Image Stacks**

Quickly combine a series of related images and render them into a single view using a wide variety of rendering options, such as median and maximum. Photoshop Extended automatically analyzes and combines the images while preserving the originals. Image Stacks are extensible, so third parties can write their own render modes.

▶ **DICOM support**

Use the comprehensive Photoshop Extended toolset to import, correct, annotate, analyze, and create animations from DICOM images. Even automatically remove patient information from DICOM metadata and batch save JPEG files for presentation purposes.

▶ **MATLAB support**

Pass image data directly between Photoshop Extended and MATLAB with the ability to call Photoshop Extended directly from the MATLAB command line. Visualize results of MATLAB algorithms in the software, and combine MATLAB processing with Photoshop Extended image editing to render, test, and refine algorithms for image processing, analysis, and more.

Work more productively

Efficient and flexible work environment

▶ **Streamlined interface and palette management**

Maximize screen space for editing while keeping essential tools accessible. Palettes are now arranged in convenient, self-adjusting docks that can be widened to full size or narrowed to icons or even a thin, self-revealing strip at the edge of your monitor.

▶ **Faster, more flexible asset management with Adobe Bridge CS3**

Organize and manage images more efficiently with next-generation Adobe Bridge CS3 software, which now delivers improved performance, a Filter panel for easier searching, the ability to group multiple images under a single thumbnail, the Loupe tool, offline image browsing, and more.

Custom menus, shortcuts, and workspaces

Set up and save custom menus, keyboard shortcuts, and workspaces for quick access to what you need.

Streamlined workflow

▶ **Better raw-image processing**

Process raw images with increased speed and superior conversion quality using the Photoshop Camera Raw plug-in, which now adds support for JPEG and TIFF formats; new tools including Fill Light and Dust Busting; compatibility with Adobe Photoshop Lightroom™ software; and support for over 150 camera models.

▶ **Enhanced PDF support**

Work more easily with Adobe PDF-based content. Precisely control the size of PDF pages opened in Photoshop Extended; add security controls and metadata, such as copyright and exposure details, to images within PDF presentations; and create a richer image display in PDF presentations and documents.

▶ **Adobe Photoshop Lightroom**

Jump from Adobe Photoshop Lightroom software to Photoshop CS3 Extended in one click for advanced editing of your digital images. Lightroom (sold separately) offers an efficient, powerful way to import, manage, and present large volumes of digital images.

▶ **Improved printing experience**

Experience better control over print quality with color management, a larger print preview window, and more controls in one place so you can print in fewer steps. Improved printing controls, co-developed by Adobe and HP, make printing easier and more predictable, and streamline setup options via integration with select printers from HP, Epson, and Canon.*

▶ **Presets**

Make sophisticated color adjustments automatically with one-click presets in Curves, the Channel Mixer, and the new Black and White conversion dialog box.

▶ **Peak performance**

Experience native performance on Intel® and PowerPC® based Macintosh computers, and on Microsoft® Windows® XP and Windows Vista™ systems.

Automated production

Automate common production tasks in a variety of ways. Set up event-based scripts, record a series of steps as an Action for efficient batch processing, and design repetitive graphics faster with Variables.

▶ **Wide range of supported formats**

Import and export an even greater range of file formats, including PSD, BMP, DICOM, Cineon, JPEG, JPEG2000, OpenEXR, PNG, Targa, and TIFF.

▶ **Adobe Device Central CS3**

Visually emulate how your dynamic content will render on mobile devices using the built-in Adobe Device Central CS3.

▶ **Zoomify export for high-resolution web display**

Take advantage of Adobe Flash® and Zoomify technology to export high-resolution images to the web for viewing through Adobe Flash Player software. Flash Player displays your images quickly and efficiently, letting viewers zoom in on details with minimal delay.

▶ **Improved integration with other Adobe tools**

Enjoy better support for Photoshop files in your other Adobe software applications (sold separately). Copy and paste Photoshop files directly into Adobe Dreamweaver® CS3 software projects, import them into Adobe Flash CS3 Professional software with high fidelity, and preserve layer effects and video layers when you import them into Adobe After Effects® CS3 Professional software.

Third-party solutions and resources

Take advantage of a wealth of additional resources—including software plug-ins, books, and training—from the longstanding community of expert Photoshop developers, authors, and trainers.

Composite and edit with unrivaled power

Nondestructive editing

▶ **Smart Filters**

Add, adjust, and remove filters from an image without having to resave the image or start over to preserve quality. Nondestructive Smart Filters allow you to visualize changes without altering original pixel data.

Smart Objects

Perform nondestructive scaling, rotating, and warping of raster and vector graphics with Smart Objects. Even preserve the editability of vector data from Adobe Illustrator® software.

Professional color and tone control

▶ **Color-correction enhancements**

Take advantage of precision color correction made faster and easier. Brightness/Contrast now provides better results from the same intuitive interface, and enhanced Curves controls let you make automatic adjustments with included presets or those you create; convert to black-and-white with point sliders; and use a histogram, color channel lines, and a clipping preview.

▶ **Black-and-white conversion**

Easily convert color images to rich black-and-white and adjust tonal values and tints with a new tool. Experiment with the included black-and-white presets, or create and save your own custom presets to achieve the best results.

▶ **Improved Channel Mixer**

Take advantage of new functionality and a host of presets that make the Channel Mixer easier to use for black-and-white conversion.

▶ **Enhanced 32-bit high dynamic range (HDR) support**

Create and edit 32-bit images and combine multiple exposures into a single, 32-bit image that preserves the full range of a scene—from the deepest shadows to the brightest highlights. New image-processing and alignment algorithms deliver superior results. And with Photoshop CS3 Extended, you can even edit 32-bit images using brushes, filters, blending modes, transformations, selections, tools, aspect ratios, and more.

Intelligent image editing and enhancement

▶ **More powerful cloning and healing tools**

Experience greater control when retouching images with cloning tools and the Healing Brush. Clone images over time; see source pixels under your tool or brush for more precise positioning; preview changes to source content live; and set multiple source points, scale, and rotate in the new Clone Source palette.

Rich painting and drawing toolset

Create or modify images with a wide assortment of professional, fully customizable paint settings, artistic brushes, and drawing tools.

Easy compositing and selecting

▶ **Advanced compositing**

Create more accurate composites by automatically aligning multiple Photoshop layers or images based on similar content. The Auto-align Layers command quickly analyzes details and moves, rotates, or warps layers to align them perfectly, and the Auto-blend Layers command blends the color and shading to create a smooth, editable result.

► **Improved Photomerge® technology**

Take advantage of refined Photomerge technology, which uses new layer-alignment and layer-blending capabilities to let you automatically stitch horizontal or vertical photos into seamless panoramas.

► **Quick Selection and Refine Edge tools**

Make selections in a snap. Loosely draw on an image area, and the Quick Selection tool automatically completes the selection for you. Then preview and fine-tune your selections with the Refine Edge tool.

Flexible layers

Composite images, text, and effects on hundreds of layers for extraordinarily sophisticated results. Organize layers with up to five levels of nesting, and save them in different combinations as layer comps.

* Visit www.adobe.com/go/photoshop_printers to see a current list of compatible printers.

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