

# Adobe® Photoshop® CS3 Extended for AEC professionals

Communicate project detail clearly, articulate complex concepts visually, and save time by automating common tasks



*“With enhanced 3D modeling and paint features and new Smart Filters, I am able to deliver lifelike images and plans easily, and in the end, this enables my clients to make more sound planning decisions. My productivity is now up a notch thanks to the streamlined workflow of Photoshop CS3 Extended.”*

Rich M. Nortnik Jr.,  
Illustrator/designer/visualization artist,  
factory31 LLC

Architecture, engineering, and construction (AEC) professionals face a double-edged challenge on every project. You need precise, detailed 2D and 3D drawings that can be used to turn designs into reality, and you need photo-realistic images that illustrate concepts and rough designs. Adobe Photoshop CS3 Extended software helps bring these two worlds together with robust new features that allow you to work efficiently with both types of images in one tool. From the capability to edit and composite 2D and 3D CAD images to precise image measurement and analysis features, Photoshop CS3 Extended helps AEC professionals communicate detail clearly, articulate complex concepts visually, collaborate effectively, and always show your work at its best.

## **Streamline 2D and 3D compositing**

Photoshop CS3 Extended allows you to marry photographs and CAD drawings, so clients, suppliers, subcontractors, and permitting agencies can all view the final intent long before ground is broken. With support for common 3D interchange formats and new 3D layers, you can import 3D models from your CAD applications directly into Adobe Photoshop CS3 Extended. Quickly add and edit surface textures, such as floor or roofing materials, to illustrate design alternatives. Show clients photo-realistic designs by compositing enhanced 3D models onto site photographs.

## **Enjoy integration with Adobe Acrobat® 3D Version 8 software**

Collaborate on 3D content more easily thanks to tight integration between Photoshop CS3 Extended and Adobe Acrobat 3D software. Convert myriad 3D CAD formats to the U3D interchange format and embed them in Adobe PDF documents. E-mail CAD drawings to colleagues as Adobe PDF documents, which can be viewed, edited, and annotated in Photoshop CS3 Extended. Or embed 3D models created in Photoshop CS3 Extended into Adobe PDF files for review, being confident that suppliers and contractors can open and review your plans and schematics.

## **Extract and export quantitative data from any image**

Glean precise quantitative data from images. Using a known dimension—such as the width of a doorway or the length of lot frontage—you can easily define the scale of any photograph. Then select the area you wish to measure, such as the perimeter of a wall, and click a button to record your measurements. The Measurement Log presents the extracted data in tabular form and lets you export it for use in a spreadsheet, database, or text document. Use the data to estimate quantities of construction materials or to check the accuracy of active construction without going to the job site.

*"It's often difficult for people to read architectural blueprints and understand how wide a 5-foot walkway is, how a roofline will look, or how a proposed design will fit with surrounding buildings. Using Photoshop CS3 Extended, we can give people the full visual picture and feeling of being there."*

David Mlodzik,  
Owner,  
Mlodzik Architectural Visualization

### **Edit and measure in perspective**

Easily illustrate remodels or renovations at the concept phase using Vanishing Point. Point and click to define the perspective planes in any photograph. Then change colors and textures of walls and floors with a brushstroke and add, remove, or edit windows, doors, or other structural elements. All editing is automatically adjusted to perspective. Even measure in perspective. With Vanishing Point, you can create accurate, photo-realistic images that help clients envision final, finished results.

### **Easily create 3D models from any image**

With Photoshop CS3 Extended software, you can export 3D models from any flat image to manipulate perspective and positioning. Say you're drawing perspective planes across the surface of a building with Vanishing Point. Simply export the image to the 3DS or DXF 3D interchange format and place the model on a layer in the same Photoshop document. Then manipulate this 3D version of the structure to create new composites that can demonstrate design options for clients long before you have to commit resources to a CAD drawing.

### **Create image selections faster**

Whether you need to remove overhead wires from an image or change the appearance of a door or window, you often need to work on small, defined areas of an image. With the Quick Selection tool and Refine Edge feature, selecting pixels is fast and easy. Simply paint across an image area with the Quick Selection tool, and Photoshop CS3 Extended intelligently completes the selection for you. Refine Edge lets you quickly adjust any selection border with simple controls that contract, expand, and blend edges. Quick Selection and Refine Edge allow you to quickly isolate areas that can be edited or used to create a perfect composite.

### **Keep your images flexible**

New Smart Filters give you freedom to experiment, with the ability to keep filters live and editable. Original image data is not altered, so you can adjust Smart Filters at will, add filters to create combined effects, and edit filter masks. Use Smart Filters to focus attention by sharpening a structure and blurring the background, or apply artistic effects, such as turning a clear window into a frosted pane.

Present design concepts visually. Edit photographs in perspective. Transform CAD drawings into photo-realistic images. Extract quantitative data. Photoshop CS3 Extended lets you collaborate effectively and present every project in the best possible light before, during, and after construction.

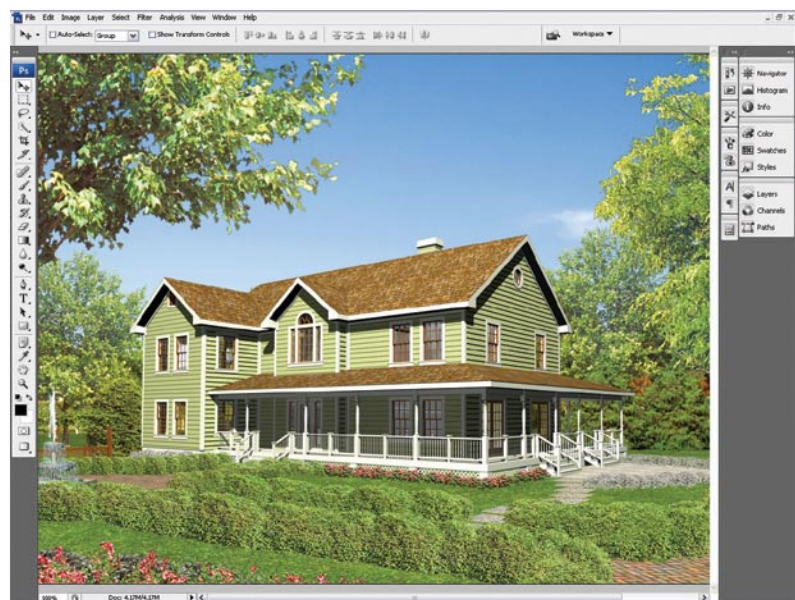
### **For more information**

For more information about Adobe Photoshop CS3 Extended or to download a trial version, visit [www.adobe.com/go/ps\\_aec](http://www.adobe.com/go/ps_aec).

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**Adobe Systems Incorporated**  
345 Park Avenue  
San Jose, CA 95110-2704  
USA  
[www.adobe.com](http://www.adobe.com)



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