



Top 10 Reasons to Upgrade

Why should you upgrade to Autodesk® Raster Design 2004? Here are 10 reasons:

1. **Optical character recognition (OCR):** The enhanced Text Recognition feature in Autodesk Raster Design 2004 enables you to select text or tables from scanned drawings or maps and convert them to AutoCAD® text and multiline text (mtext). Effective tools for text verification and editing help ensure that conversions are accurate.
2. **Enhancement of existing photos:** The Tonal Adjustment feature enables you to adjust contrast and brightness using a curve. You can change the contrast in the darker tones while preserving the contrast among midtones and lighter colors, or vice versa.
3. **Extract features of interest from grayscale and color images:** The Palette Manager feature enables you to manipulate individual colors and entire palettes for eight-bit images. You can determine which colors are actually used, change an existing color to a different one, combine several color indexes into a single mapped color, compress the palette, and even import and export palettes. It also enables you to isolate features, such as contours from maps, by turning everything else to the background color.
4. **Better control over transparency:** Assign an unused color as the transparency color. Create a new transparency color. Accomplish all this within the Palette Manager.
5. **Add color highlights to your grayscale:** Create compelling presentation materials by using the Palette Manager to tint or add new color to selected portions of grayscale images. Highlight your project in color or mute areas outside. Whether you need to make an impact at public hearings or seek timely approval from clients and regulatory agencies, color can give your materials persuasive clarity.
6. **Predictable results when you rubbersheet:** Image distortions can sometimes prevent you from aligning an image in your drawing. Rubbersheeting fixes most of these distortions, but getting the best results can be tricky. The Rubbersheeting preview feature in Autodesk Raster Design shows you how the image will look before you apply rubbersheeting.
7. **Rubbersheet exactly to your control points:** The Triangular method of rubbersheeting makes image adjustments between control points. Now you can guarantee that points move the way you want. A new grid setup and selection tool helps you efficiently set control points on maps and other documents with regular geometry.
8. **Installation and configuration:** Autodesk Raster Design 2004 gives you more control over the installation process. For instance, you can now simultaneously install Autodesk Raster Design on top of multiple installations of AutoCAD or AutoCAD-based products. The main menu is displayed when you insert the product CD or run setup. You can select from single-user or network installations, view the Install Guide and readme file, learn about bonus materials included with Autodesk Raster Design 2004, and browse the product CD.
9. **Specific integration with Autodesk® Land Desktop 2004 and Autodesk Map™ 2004:** Autodesk Raster Design 2004 has several special features for use with these premium products. When Autodesk Raster Design is installed with Autodesk Map or

Autodesk Land Desktop software, the Transform tab appears on the Correlation dialog box during the image insertion process when you have assigned a coordinate system to the drawing. You can change the coordinate system of the image's correlation data to match the coordinate system of the drawing. In Autodesk Land Desktop, you can substitute COGO points any time Autodesk Raster Design 2004 asks you to enter a point—an especially useful feature for rubbersheeting or matching operations. And when you're in Autodesk Land Desktop using a follower to trace raster contours, Raster Design's new contour follower converts the contours to AutoCAD polyline entities or to contour objects as you go.

10. Integration with the AutoCAD 2004 product family: Autodesk Raster Design is the leading raster application for design professionals who need to use or reuse scanned paper drawings or maps, satellite images, aerial photos, and similar digital design data with their design projects. It's the Autodesk solution for managing, converting, and editing all types of raster images in AutoCAD 2004 software and all other AutoCAD-based products:

- AutoCAD® 2004
- Autodesk® Land Desktop 2004
- Autodesk Map™ 2004
- Autodesk® Architectural Desktop 2004
- AutoCAD® Mechanical 2004
- Autodesk® Mechanical Desktop® 2004

This Autodesk Raster Design Top 10 Reasons to Upgrade document represents Autodesk's understanding concerning the expected content and functionality of the prospective product Autodesk Raster Design as of the time of publication. Autodesk reserves the right to modify or remove features or otherwise change the functionality of this or any of its products, without notice. [Autodesk, Inc., provides this information 'as is,' without warranty of any kind, either express or implied.](#)

autodesk®

Autodesk, Inc.
111 McInnis Parkway
San Rafael, CA 94903
USA

Autodesk, AutoCAD, Autodesk Map, and Mechanical Desktop are either registered trademarks or trademarks of Autodesk, Inc., in the USA and other countries. All other brand names, product names, or trademarks belong to their respective holders.

© Copyright 2003 Autodesk, Inc. All rights reserved.