

# Automated image analysis and image-specific enhancement



**elpical**  
**claropremedia**   
Automatic Image Enhancement

## Elpical Claro Premedia

There are many excellent digital image enhancement tools. And there are many, many more digital images waiting to be enhanced. The problem is each image needs specific adjustments and that takes time. In an ideal world, images would be batch processed based on their particular requirements. Sound impossible?

Enter Elpical Claro Premedia, an image processing server light years ahead of other batch processing tools which simply apply one set of filters or algorithms to every image they receive. With Claro Premedia, each image is analyzed for such parameters as sharpness, brightness, contrast, color balance, natural greens, skin tones, Exif information and much more. The image is then enhanced for consistently high-quality results based on its particular requirements. For example, the type of sharpening applied will depend on sharpness and noise levels in the original, ensuring you get a crisp image every time with no more overly-sharpened edges.

Claro Premedia also includes many other ground-breaking features such as the ability to enhance, resample and color convert images automatically inside PDF files; local contrast enhancement that respects overall image brightness; an Adobe® Photoshop® inspector which allows side-by-side viewing of original and processed images; and intelligent ICC color conversions and profile assignment/embedding. Claro Premedia also integrates seamlessly with existing workflows through full XML job files and there's even a Java API for creating bespoke solutions.

Elpical Claro Premedia takes the hard work out of mass image enhancement and guarantees superb results every time.

## Benefits

- Provide consistently high-quality image enhancements across varied individual images
- Save massive amounts of time on producing image-specific enhancements
- Process with confidence, knowing Claro Premedia will only enhance images where needed
- Make batch in-file PDF image enhancement a reality at last
- Stay in control of your workflow with queues that route images to Adobe® Photoshop® for side-by-side comparisons
- Guarantee image output with correct ICC profiling

Press & Publishing

System integrator &  
Software developers

Photo processing  
for web & print

Printing & Copying



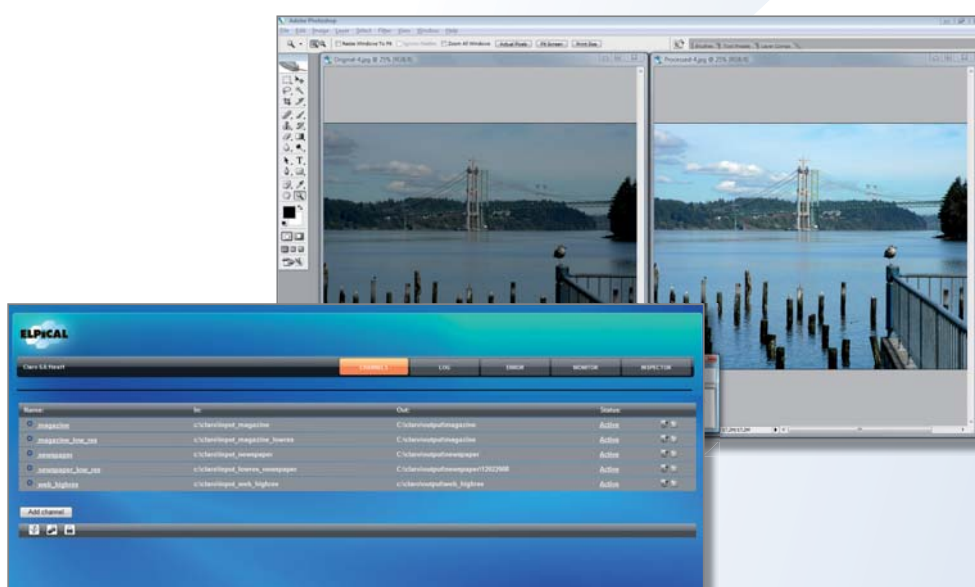
## Key Features

- Automated image enhancement based on each image's specific requirements
- Consistent image enhancements across a wide range of image types
- Local contrast enhancement of image details
- Runs as a background server process
- Web-based user interface for easy, remote server control
- Images in PDF files can be enhanced, resampled and color converted
- XML integration fully supported
- Java API available for bespoke integration and solutions
- Photoshop integration for optimum control of specific images (Mac and PC)
- Routing of files through any number of workflow options
- ICC based color conversions and profile assignment/embedding
- Embed processing information into XMP
- Create DeviceLink channels for CMYK to CMYK conversion

## About Elpical Software

Elpical Software, based in Giesbeek, The Netherlands, creates software solutions for the automated production and enhancement of digital images. Established in 1997, the company has quickly become a leading specialist in the field of digital imaging. Many photographers, publishing houses and printers now rely on Elpical technology to automate the enhancement of digital images without fear of loss of quality.

Key Elpical products include Claro Premedia Server and ClaroSingle, 4LeafCover, EmailManager, and SlideShowEnhancer. Elpical's core technologies are robust and extremely adaptable, making Elpical an ideal partner for software suppliers or system integrators wanting to expand image functionality in their products.



## Contact

Nijverheidsstraat 9  
6987 EN Giesbeek  
The Netherlands

Tel: +31 (0)31 363 31 56  
Fax: +31 (0)31 363 36 41

Info@elpical.com  
www.elpical.com

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