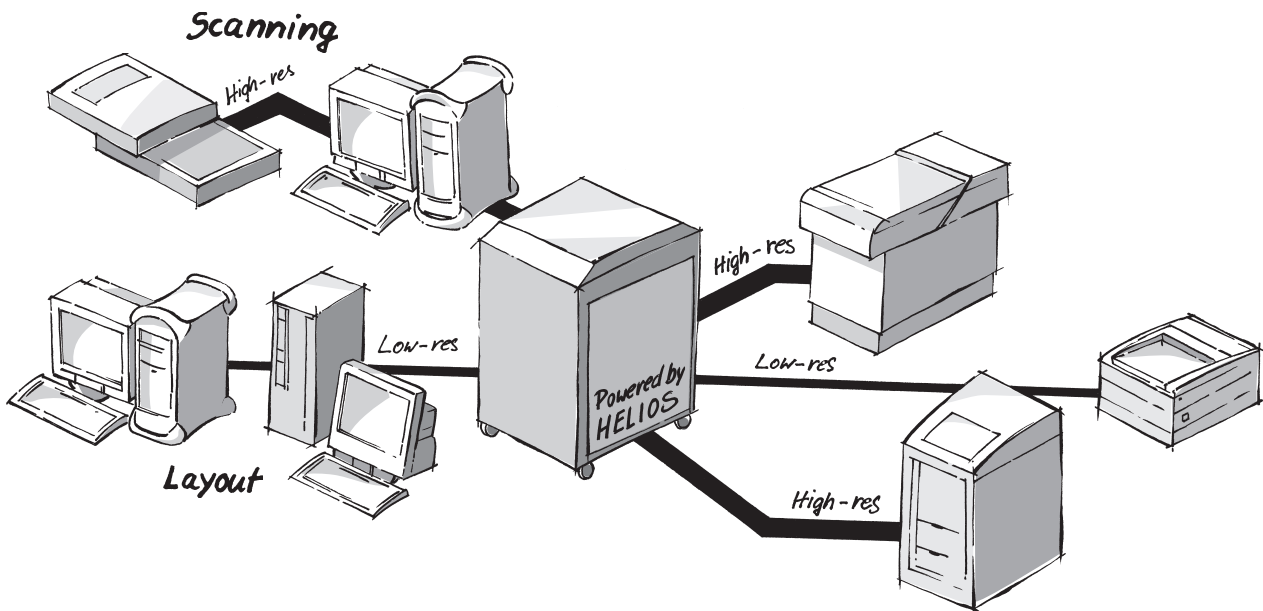
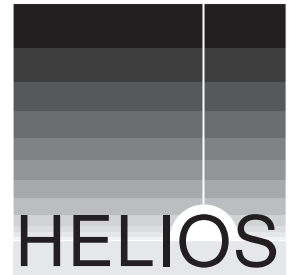


HELIOS ImageServer 2.5

Server-based OPI Image Replacement and Conversion with Color Separation and Proof Printing Support



HELIOS ImageServer is a server-based image replacement and conversion solution. It is designed to shift very CPU-intensive image processing tasks from desktops to servers.

OPI benefits There is no waiting time for placing and printing documents containing OPI low-res layout images. Another benefit is that the server can produce output many times faster than any desktop DTP application. This keeps all devices busy to produce faster output. An OPI example:

	50 MB TIFF	50 MB EPSF	50 MB DCS1
Placement & Printing without OPI			
Placement	50 MB	3 MB	3 MB
Composite	100 MB	100 MB	n/a
Separation	250 MB	400 MB	100 MB
Placement & Printing with OPI			
Placement	3 MB	3 MB	3 MB
Composite	6 MB	6 MB	6 MB
Separation	15 MB	24 MB	3 MB
XPress Omit TIFF & EPSF with OPI			
Composite	1 KB	1 KB	1 KB
Separation	1 KB	1 KB	1 KB

Network traffic and image processing in DTP client using 50 MB images (300 dpi) for placement and printing from a server volume.

OPI automatically creates a low-res image of all supported file formats for placement in any layout application. It replaces layout images on-the-fly with optimized high-res images during output. Conversion of different colors and resolutions is automatically done without additional copies of the high-res image. Remote users can be provided with layout images and return complete pages for final output.

Image Conversion ImageServer supports a wide range of image formats and color spaces including clipping paths and spot colors. It can convert images to any supported file format, resolution, compression and color space to be used for printing, Web or any other purpose. HELIOS PDF HandShake adds PDF file format support.

Server-based color management Using ColorSync/ICC profiles, ImageServer can keep the original high-res images in RGB, Lab or CMYK color space on the server and repurpose them for different conversion and printing needs. ICC profiles are applied on-the-fly for excellent image conversion, color matched proofs and composite or separated printing.

Features & Benefits

Ease of Use

- Administration from Macintosh

Image Features

- Optimized image conversion tools
- Script Server: automate tasks via hot folder Perl/shell scripts (no polling)
- File Formats: TIFF, EPSF, DCS1&2, ICS, Scitex-CT, JPEG, PICT, BMP, Photoshop, PNG and PDF (option)
- Color spaces: CIE-Lab, XYZ, RGB, CMYK, Indexed, Multitone, and Spot
- Compressions: ZIP, JPEG, G3/4, ...

OPI Image Replacement

- Conforms to OPI 1.3 & 2.0 specs
- Handles largest output requests
- Automatic layout file creation after file has been saved on server (no polling)
- Omit TIFF & EPSF support
- Colorized TIFF printing support
- PostScript Level 1, 2 and 3 support
- On-the-fly output image compression
- On-the-fly OPI image replacement during output (no temporary files)

Color Management

- Server-based on-the-fly color separation/proof matching and conversion
- Heidelberg ColorSync/ICC

Cross-Platform Client Support

- Macintosh, Windows, UNIX clients

Smart Ideas for Better Networking.

System Requirements

HELIOS ImageServer

- 64 MB RAM in total, 8 MB per active image conversion/print device
- EtherShare 3.1 or newer is required
- PCShare 3.1 or newer is required for Windows clients
- Macintosh, Windows, or UNIX workstation to place and print OPI layout

Product Highlights

Complete Cross-Platform Solution

ImageServer supports Apple Macintosh, Windows and UNIX-based layout workstations and offers true transparent cross-platform functionality.

Integration with HELIOS Products

The EtherShare Admin program can handle all configurations. EtherShare and PCShare inform the OPI and Script Server about any events in their directories so that proper actions can be taken.

Script Server Features

The "Script Server" service allows defining hot folders to automate processing tasks by dropping files into a folder to be processed by a custom script.

- UNIX/Perl/shell scripts are supported
 - Event-driven Script Server (no polling)
 - Administration via EtherShare Admin
- Easy sample scripts in Perl are included

Server Image Conversion Features

- Powerful image conversion tools
- UNIX command tool with over 100 professional image conversion options, e.g. spot color, alpha channel, clipping mask, ICC profiles, etc. handling. Allows to convert on-the-fly between any supported file format, color space, compression and resolution, including ICC/ColorSync transformations/tagging.
- Web Browser optimized images
- True color PNG images including automatic clipping mask/alpha support in any specified pixel/resolution.

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images to the HELIOS spooler

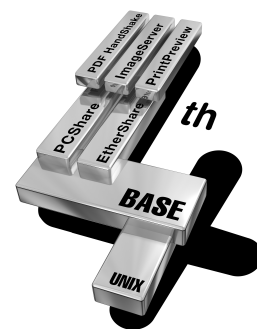
- Any non-OPI-compatible software which can place and print EPS files
- OPI-compatible applications like XPress, PageMaker, Freehand, InDesign, Ragtime, etc.
- PDF HandShake is optional to support PDFs for conversion and OPI
- PrintPreview is optional for print jobs

OPI Features

■ Supported OPI standards
ImageServer complies with Adobe's OPI 1.3 and 2.0 specifications, incl. Quark extensions for EPSF and full support of Omit EPSF & TIFF files.

■ Automatic Layout File Generation
As soon as image files are created or changed on the server by EtherShare or PCShare clients, layout files are generated. OPI layout creation can be turned on for the entire volume (no hot folder required, no restrictions on OPI folders). Layout files are stored in "layout" subdirectories. Alternatively, layout file generation can be done manually or with UNIX scripts. These features allow powerful, versatile, reliable OPI implementation.

- Flexible Layout Image Options
TIFF, Mac-EPSF, PC-EPSF, JPEG, or PNG low-res with any desired resolution
- Color-correct printable CMYK low-res
For RGB or CIE Lab images; RGB or CIE Lab low-res as option
- HELIOS OPI TuneUP XT for XPress
Additional support of foreground and background colorized lineart and grayscale images to work with OPI printing and PDF generation from OPI print jobs. Quark XPress 5 Mac/Win (3, 4 Mac only)
- Output Options (on-the-fly no files)
PostScript Level 1, 2 and 3 support with output compression: ZIP, Compress, JPEG, CCITT-G4, OPI image replacement during output (no temporary files), Image downsampling and cropping during composite or separated output.



generation

Supported File Formats

- File Formats: TIFF, PC-EPSF, Mac-EPSF, DCS1, DCS2, ICS, Scitex-CT, JPEG, PICT, Photoshop, BMP, PNG and PDF (PDF HandShake option)
- DCS files are merged into composite
- Color Spaces: Line art, Grayscale, CIE Lab, XYZ, RGB, CMYK, Indexed, Multitone, and Spot
- Compressions: ZIP, JPEG, Compress, CCITT-G3/4, RLE, PackBits, etc.
- Support for Down & Upsampling, Cropping, Rotate & Flipping
- Support of clipping paths and alpha channels which can be enabled or ignored per server and volume setting

HELIOS OpenImage SDK

API allows adding new file formats, etc.

ICC Color Matching/Separation

ImageServer contains ColorSync, the ICC-compliant color matching method cross-licensed from Heidelberg. Color matching is applied for layout generation, color proof printing, final output and image conversion. High-res raster or PDF images are automatically color matched on-the-fly to CMYK separations, to RGB, or to CIE Lab. ImageServer recognizes embedded ICC profiles or references in high-res images. ICC profile tagging tools to embed ICC are included. This late-binding workflow saves resources, allows optimum matching to specific devices, and preserves the integrity of original data for later re-purposing.

More details on the HELIOS Web site: www.helios.de/products/productshows.html

your HELIOS partner:

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