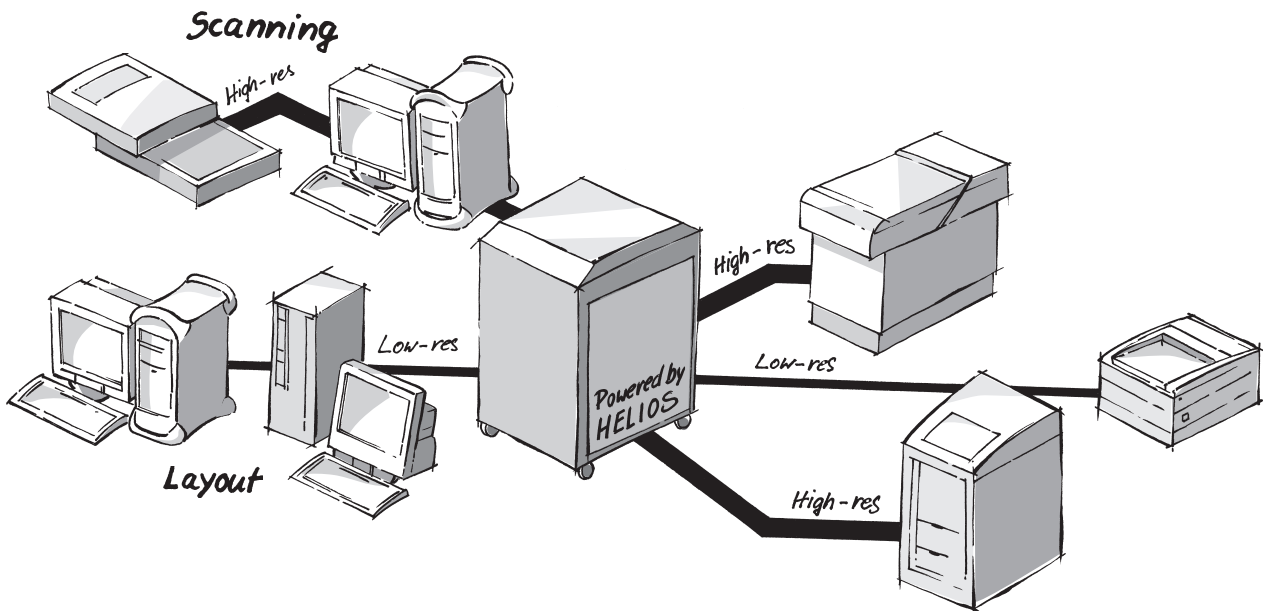


ImageServer UB

Server-based automated Image Conversion,
ICC Color Transformation, OPI Replacement and Printing

HELIOS ImageServer UB is a server-based automated image conversion, color transformation and OPI image replacement solution. It supports all major image formats and color spaces as well as XMP, EXIF, clipping path and ICC meta data. Imaging tasks can be automated via "hot folders" and OPI image replacement. It is designed to shift very CPU-intensive image processing tasks from desktops to servers.

ImageServer can convert images to any supported file format, resolution, compression and color space. ICC profiles can be applied and/or tagged. All image information can be retrieved. ICC/XMP/Path meta data can be imported and exported. Image resolution and sizes can be changed in existing files. ImageServer tools can easily be integrated into custom solutions or automated by "hot folder" scripts.

Web Preview generation with customizable x/y pixel resolution of images or XPress/InDesign pages are supported. Images with a clipping path can be converted to transparent PNGs.

OPI Support 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. More good reasons for OPI based workflows: <http://www.helios.de/opibenefits>

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.

HELIOS PDF HandShake adds PDF file format support. HELIOS PrintPreview adds PS/EPS vector conversion support. WebShare allows web-based remote OPI, image and document previews.

Features & Benefits

Ease of Use

- Remote server administration from Macintosh, Windows and UNIX

Image Features

- Optimized image conversion tools
- Script Server: automate tasks via hot folder Perl/shell scripts (no polling)
- File formats: TIFF, EPS, DCS1&2, JPEG, PSD, JPEG2000, PNG, PDF,...
- Color spaces: Lab, RGB, CMYK, ...
- Compressions: ZIP, JPEG, G3/4, ...
- Meta data: XMP, Paths, EXIF, ICC

Color Management

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

OPI Image Replacement

- Colorized TIFF printing support
- DCS2/TIFF/PSD composite support
- On-the-fly OPI image replacement
- Conforms to OPI 1.3 & 2.0 specs
- Automatic layout file creation after file has been saved on server (no polling)

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 UB for Mac clients, or PCShare UB for Windows clients, or WebShare UB for web clients
- Workstation to place and print OPI layout images to the HELIOS spooler

Product Highlights

Complete Cross-Platform Solution

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

Integration with HELIOS Products

The HELIOS Admin program can handle all configurations. EtherShare, PCShare and WebShare 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.

- Perl/shell scripts are supported
Easy Perl sample scripts are included
- Event-driven Script Server (no polling)

Server Image Conversion Features

Powerful image conversion tools

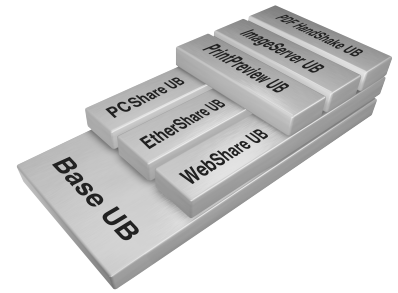
- Command tool with over 100 professional image conversion options, e.g. spot color, alpha channel, clipping mask, ICC profiles, XMP, etc. handling. Allows to convert on-the-fly between any supported file format, color space, compression and resolution, including ICC/ColorSync transformations/tagging.
- Web browser optimized PNG images
True color with automatic clipping mask/alpha in any specified pixel/resolution
- Previews of XPress & InDesign documents (Mac/Win) via Web or tools

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9/2005

- OPI-compatible applications like XPress and InDesign, etc.
- Any non-OPI-compatible software which can place and print EPS files
- Optional WebShare for remote OPI and image/document previews, PDF HandShake to support PDFs, HELIOS PrintPreview adds PS/EPS vector conversion support



OPI & Image Re-Purposing Features

- OPI standards 1.3 and 2.0
- Support of Omit EPSF & TIFF
- XMP and multiple paths supported
- XPress colorized images are support via HELIOS OPI TuneUp XT Mac/Win
- DeviceN composite output support for TIFF, PSD, DCS2 & colorized images
- ICC support for printing, proof, etc.
- Automatic low-res file generation
- Flexible low-res Image options
TIFF, EPSF, JPEG, or PNG low-res with any desired resolution and color

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

PostScript/PDF Output Generation

On-the-fly PostScript Level 1, 2 and 3 generation with compression: ZIP, Compress, JPEG, CCITT-G4, OPI image replacement during output (no temporary files), Image ICC color management, downsampling, and cropping during composite or separated output. PDF generation via PDF HandShake option.

Supported File Formats

- File Formats: TIFF, EPSF, DCS1&2, PNG, JPEG, JPEG2000, Photoshop, PDF (PDF HandShake option), BMP, JBIG2, PICT, Scitex-CT, and ICS
- DCS files are merged into composite
- Color Spaces: Line art, Grayscale, CIE Lab, XYZ, RGB, CMYK, Indexed, Multitone, and Spot
- Compressions: ZIP, JPEG, Compress, JPEG2000, CCITT-G3/4, etc.
- Support for down- & upsampling, cropping, rotate, and flipping
- Support of clipping paths and alpha channels can be enabled or ignored per server, volume or folder setting

ICC Color Matching/Separation

ImageServer contains ColorSync, the ICC-compliant color matching method cross-licensed with 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. 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.

HELIOS OpenImage SDK

API allows adding new file formats, etc.

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

your HELIOS partner:

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