OPI

OBJECTIVE

The OPI system is designed to streamline production processes in a prepress site. It optimizes transmission of high resolution images, which constitute large quantities of data flowing over the network. This optimization is achieved by using low resolution images in the prepress process instead of high resolution originals. Before printing, low resolution images are automatically replaced with their high resolution counterparts.

SOLVED PROBLEMS

Reduced network traffic. Network congestion occurs whenever the amount of data transmitted exceeds the capacity of the network. Congestion is frequently caused by transmitting high resolution images over the network. By using low resolution images in the prepress process network, network congestion is significantly reduced.

Reduced application response time. By using OPI in page make-up applications and thus manipulating and displaying only low resolution images, application response time is significantly reduced.

Reduced printing time. Printing of large documents containing many high resolution images without an OPI system is a compute intensive and time consuming task. Documents created using the OPI system contain only low resolution versions of original high resolution images, thus the amount of data sent to the printing system over the network is significantly smaller and reflects in significantly reduced printing time.

Remote printing. Newspapers and other publications are often printed at printing plants located far from the prepress site. In this case, all high resolution images can be sent to the printing site, while low resolution images are used for page make-up at the prepress site. Documents to be printed are then sent to the printing site, where low resolution images in the documents are automatically replaced with their high resolution counterparts.

Remote image manipulation. Low resolution images can be sent to remote prepress sites, where they are used in the production of documents. These documents are then sent back to the printing site. At the same time, high resolution images can be processed. Low resolution images used at remote sites are then automatically replaced by the processed high resolution versions at the printing site.

Reliability. In time-critical environments, OPI system can be configured with the duplication of all hardware resources. Such OPI system can operate without interruption in case of a hardware failure.

FEATURES:

Transparent to the user. The replacement of low resolution images in documents with high resolution originals is transparent to users working with page make-up programs.

Client posting module. The system supports simultaneous image posting from multiple locations. This is necessary when images are scanned at multiple sites or when there are more image sources such as multiple scanners, images received via telephone line, images received via satellite, etc.

Works in a heterogeus environment containing a variety of hardware and software platforms such as Apple Macintosh, NEXTSTEP, MS-Windows, UNIX.

Support for compressed images. The OPI system supports compressed images in JPEG, LZV, PackBits and CCITTFAX formats.

Reliability and data security. The multi-user, multi-company usage of OPI system is supported with the implementation of a data security scheme, which allows each user to use only the images to which he or she was given access by the system administrator. Access can be regulated on a per-user or per-publication basis.

FEATURES SUMMARY

- **user transparence**
- **works in a heterogeneous environment**
- **remote OPI**
- **reliability**
- **data security**

SELECT Technology, Inc.
246 First Street, Suite 310, San Francisco, CA 94105
phone: 415.495.2474, fax: 415.495.2513
e-mail: info@select-tech.com