Omnitek
The Solutions Engineering Company

Samskara
[Perfecting PDF Portability]

Perfecting PDFs

Standard PDFs are not secure. Standard PDFs can have font issues. Standard PDFs can have image issues. Standard PDFs give different results on different systems. Standard PDFs can be large.

Samskara (from Sanskrit meaning "..a making perfect") resolves these problems.

- Samskara is a workflow solution that simplifies, streamlines and automates font-free portable, secure RIPed PDF creation.

- Samskara strips out redundant information from the file resulting in very small PDFs. SmartObject technology re-uses outlines to further reduce filesize.

- Samskara PDFs can be used for output to existing PostScript Level 2 systems.

- Samskara can also output the same RIPed data in Level 1, Level 2 or Level 3 PostScript formats thereby maximizing the return for legacy systems.

- Samskara PDFs contain only the very basic building blocks of information with no external dependencies for output.

- Ideal as a front end to resolve problems in other workflow systems.

- Can generate 2 PDFs. High resolution for output (or input to other workflow) and a low resolution for emailing to clients for approval.

Simple operation

Samskara workflows are easily setup within a matter of seconds. Default processing parameters for new queues mean minimal setup time and a very short learning curve. Samskara is set to run straight "out of the box".

Image handling

All input to Samskara is RIPed into basic job components. Images are stripped down to just the visible elements. A variety of encoding schemes offer both lossless and lossy image compression. Samskara can simultaneously generate two PDFs, one high resolution and one low resolution. Image resolution for the latter is fully under user control. The resultant small and font-free PDF is easily emailable for client approval and remote proofing.

SmartObjects

Samskara uses the same SmartObject technology first developed for the high end SmartMove workflow system. This technology defines and re-uses RIPed objects thereby consolidating its internal datasets. The net result is even smaller PDF generation.

Ink re-mapping

An ink remapping feature allows C, CV, CVC and U Pantone variants to be automatically mapped to the lowest level thereby saving production time, material costs and re-work.

Watermarks

A watermark feature allows watermarking and stamping of files onto the currently processing job. A fully comprehensive set of functions for rotation, scaling, step & repeat, positioning and offsetting means that this feature can be used for a variety of purposes, from watermarking or adding colourbars through to automatically producing different language versions of a job.

Pre-flight

A very comprehensive PDF pre-flight function can be enabled for each workflow. "Allow" "Warn" and "Reject" settings for each parameter give fine tuning of job control.

Samskara
[P e r f e c t i n g   P D F   P o r t a b i l i t y]

Features and benefits

Outlines fonts	- no more font issues irrespective of output system or platform
Predictable output	- RIPed PDF giving same results across all systems
Small PDFs	- removes invisible data resulting in much smaller PDFs - archiving & storage much easier
Emailable PDFs	- optionally replaces image data with low resolution equivalents for even smaller output
Composite to pre-separated	- converts composite data to pre-separated
Pre-separated to composite	- converts pre-separated files to composite
Compression	- supports Flate and JPEG compression
Pre-flight	- comprehensive pre-flighting of input PDFs.
Multi-page document support	- can retain multipage format for output or generate separate PDFs for each page
PDF–X compliant	- output PDFs compliant with PDF-X standards
Job logging	- comprehensive job logging feature
Multi platform support	- runs on MAC (OSX) and PC platforms
WaterMark	- flexible watermark functions
Multi-language PDF	- can handle generation of PDFs in multiple languages
Colour bar support	- can be used for imposing colour bars on output.
SmartObjects	- supports SmartObject technology for even smaller PDF output
Transparency	- Flattens transparency and uses SmartObject technology to resolve transparency issues and minimise artifacts.
Pantone variant handling	- Pantone variants can automatically be merged into one plate

Inputs

PostScript

EPS

PDF

Outputs

PostScript Level1, Level2 and Level3

PDF (DeviceN colourspace)

PDF (Separation colourspace)

PDF (pre-separated greyscale)

PDFs can be single-page or multi-page

Platform

MAC OSX

Windows 2K Professional

Windows 2K Server

Windows 2K3 Server

Windows XP Professional

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