



Fusion RIPs

Raster Image Processors

Fusion Systems International produces a full range high quality PostScript Raster Image Processors (RIPs), for the Apple OS X and Redhat Linux operating systems. Based on the latest Genesis Harlequin technology, Fusion RIPs can be custom tailored to meet your specific needs. A broad range of productivity enhancements are available, providing a modular solution for outstanding performance, reliability, digital integrity and workflow automation.

Fusion Systems RIPs are designed to take full advantage of the Unix operating systems they run on. The result is superior reliability through unified memory management, accelerated file processing, precision screening, advanced workflow automation for driving a broad range of color proofers, wide format imagers, imagesetters and Computer-to-Plate imagers.

Fusion RIPs deliver provide direct processing of PostScript Level 1, 2, 3, PDF 1.2, 1.3, 1.4, 1.5, PDF/X-1a:20001, PDF/X-3:2002, TIFF 6, TIFF/IT-P1, JPEG, DCS 2., EPS, and JBIG2.

Improved capabilities for native processing of files from all the latest versions of graphics applications, and exchange file formats, greatly improves your digital workflow for higher productivity.

Extended support for a wide range of font formats has also been added too for native support for PostScript Type 0 (composite), Type 1, Type 3, Type 4 and fonts, as well as native processing of Type 32 and Type 42 True Type fonts.

Other enhancements include a simplified Graphic User Interface (GUI), dramatic advances in automated in-RIP trapping, and ICC-based color management, media management, advanced screening options, and more.

Throughput and quality control are further enhanced through options like DigiPage, a RIP Once, Output Many (ROOM) workflow plug-in to the core RIP, and FastTIFF to accelerate the generation of 1-bit TIFF separations.

DigiPage provides the benefits of single page processing, post RIP imposition and absolute digital integrity between previews, digital proofs, final plates and the printed work.

Now you can custom tailor a high productivity workflow solution that meets your specific needs today, easily and economically.

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KEY FEATURES

- Based on Harlequin Version 7 Genesis RIP.
- Up to 4096 Extended Levels of Gray.
- Supports PostScript Lvl 1, 2, 3, PDF 1.2, 1.3, 1.4, 1.5, PDF/X-1a:2001, PDF/X-3:2002, TIFF 6, TIFF/IT-P1, JPEG, GIF, DCS 2, EPS and JBIG2.
- Open Platform Networking, supports both Mac and Windows clients.
- Supports TCP/IP, AppleTalk®, and Sockets and Spool Folders (Hot Folders).
- Broad Font Support: Demand Downloadable Fonts (DLD1), Type 0, Type 1, Type 2 (CFF), Type 3, Type 4, Type 32, Type 42 (True Type), and CID fonts.
- Advanced High Quality Screening Technologies for High Resolution Separations and Composit Imaging.
- Simultaneously drive multiple output devices (Proofers, Plotters, Imagesetters, Platesetters and Digital Presses).
- Built-in Advanced Media Management.
- Integrated Calibration Utility and Support for Automated Entry of Density and ColorMetric Readings.
- Font Emulation - sophisticated font emulation typographically acceptable match to missing fonts with no text overflow and with appropriate character spacing, weight and width.

PRODUCTIVITY OPTIONS

- FSI FirstPROOF Client Soft-Proofing
- TrapPRO - Automated in-RIP Trapping
- FSI DigiPage ROOM Workflow Plugin
- FSI FasTIFF RIP Accelerator Plug-in
- DigiPageSP and FasTIFFISP Automation
- Simple In-RIP Imposition
- HDS (FM) Stochastic Screening
- HMS Advanced Micro Screening
- CIP3 / CIP4 / JDF Support
- TIFF/IT-P1 Processing and Generation
- ColorPRO - Advanced color management
- HP Design Jet Plug-ins
- Epson ProofReady Plug-ins
- Epson VSD ProofReady Plug-ins
- SetGold and SetGold PRO Color Utilities
- Over 100 Direct Device PCI Interfaces

SYSTEM REQUIREMENTS

- Apple OS X (Version 10.2.x or higher), Apple G4, G5 PPC PowerMac or Xserve, PowerBook, Mac Mini, or iMac, 512MB RAM, at least 4GB free disk space, a USB port of the Security Dongle and 24-bit Color Display
- Redhat Enterprise Linux kernel 2.4.21-27.0.1.EL (PC), Pentium III 450MHz or faster, 512Mb RAM, at least 4GB free disk space, a USB port of the Security Dongle and 24-bit Color Display



For more information, please contact us
at: info@fusionsystems.com

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international

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12021 NE Airport Way Portland, OR 97220
(503) 261-7395 (503) 261-7398

Visit Us: <http://www.fusionsystems.com>