Canon imagePASS-H1
Achieving High End Colour Printing for the Color Centric Workplace

Color imageRUNNER
C5185 / C4580 / C4080 Series
Canon imagePASS-H1

Canon imagePASS-H1 is a flexible, and productive solution that is complete with advanced tools for colour management, powerful web based management, and remote desktop functionality.

When combined with optional applications such as Hot Folders, Virtual Printers, and impose, users will have sophisticated printing and distribution control of their documents.

Users will quickly take note of the robust performance of the imagePASS-H1 incorporated with its design tools, removing complexity and uniting multiple functions into a single integrated, high performance system.

The latest interactive workflow, makes the imagePASS-H1 an excellent solution for multiple environments including corporate departments and workgroups, in-plant print shops, CRD’s and creative groups as well as print-for-pay organizations.

imagePASS Driver

The imagePASS driver is the door to all that the imagePASS-H1 controller can do with a newly designed, intuitive interface that features a simplified structure that can be adjusted to meet the requirements of even the most demanding operators. Setting up, submitting, and monitoring a print job through to completion is a snap and bidirectional communication provides timely, accurate status reports without user intervention.

1. Interactive interface
   A compact, tabbed interface provides efficient and organized access to printing functions and promotes consistency by serving as the control center for the most frequently used settings and features.

2. User-customizable job templates
   Users can create job templates for the most common print settings and apply those templates to repeat jobs.

3. Image Shift
   Image Shift enables users to correct for the displacement of printed content resulting from the application of finishing options such as 3-hole punching, stapling, stitching, etc.

4. Pop-Up Menu Information
   Pop-Up Menu Information offers convenient overviews of the various sub-menu choices for each EFI Driver option.

   Tab Shift
   When the printing device supports tabs as a media type, users now have an easy way to position copy on the tabs. With Fiery Tab Shift, users have the ability to shift certain pages one-half inch horizontally, making it possible to print the predefined tab text on the tab ear.
5. Booklet Maker
Print multiple pages in booklet style without requiring a more advanced imposition program. Windows and Macintosh Editions—available through imagePASS Driver, Hot Folders, and Command WorkStation—supports all file formats and applications, and offers the ability to add mixed media settings.

6. Fiery FreeForm preview
imagePASS Driver allows users to preview master data in VDP jobs to ensure correct data use, and provides bidirectional communication to enable Driver to retrieve FreeForm masters already resident on the Fiery controller.

8. Customizable shortcuts
Customize the most commonly-used functions and position them at the top level of the driver for easy access.

9. Roll-Over menu
Point to sub-menu choices for each option—without opening them—with a simple right click of the mouse.

10. Mixed Media support
Mixed Media capability offers a robust architecture with a single consistent workflow for all jobs and seamless integration with other features like VDP and Impose. With Mixed Media, users can apply a choice of finishing/paper source PPD options to different sections (page ranges) of a job including paper source, media type, media weight as well as pull tabs stock on supported engines. Mixed Media functionality can be easily accessed by selecting directly from the Job Properties section of the imagePASS Driver.

11. Owner information
Specify additional information requirements to secure the reproduction of confidential documents, or add notes and printing instructions required for given print submission and finishing processes.

• Drag-and-Drop Watermark
Edit or create watermarks and drag them to the most effective position on a page. (Supported on Windows clients only.)

• imagePASS Driver Update
The imagePASS Driver automatically detects a new driver when one becomes available on the Fiery controller and offers users the option to download and install it.

• Job Monitor
Track the status of print jobs sent directly to a imagePASS through Job Monitor. Bi-directional communication with the Server enables Job Monitor to provide up-to-date status information and alerts users to errors reported by the Fiery that would prevent a job from printing.

• Full bi-directional capability
Gives users’ dynamic, visual feedback including printer status, paper and toner levels information. Interactive feedback ensures that jobs will be completed without interruption and alerts users to potential device related delays.
Tools for Administrators

Designed to facilitate seamless integration into almost any network infrastructure, the imagPASS-H1 provides the tools and functionality required by even the most demanding IT Administrators, while offering users an intuitive and flexible platform to manage the entire document printing process. Fiery System 8e also provides a secure authentication capability that manages the levels of user access, and with Fiery WebTools, users have fast remote management functionality via an intuitive web interface.

Networking

Fiery NetWise

Standard with the imagePASS system software, NetWise accelerates setup and seamlessly connects to all popular network environments. Through a standard Ethernet connection, NetWise facilitates Internet printing and gives administrators the ability to perform many tasks through email, including job submission, cancellation and remote scan management.

With WebTools™

Users can administer the imagePASS-and print jobs conveniently through any Java-enabled browser as well as view the current status of jobs, install print drivers and access utilities from their desktop. Completely redesigned, WebTools boasts a fast, perceptive new user interface that simplifies the process of printing.

Security

To address growing security concerns in networked environments, imagePASS features several advanced data protection and user authentication methods:

- **IP Filtering** enables administrators to restrict access to imagePASS network environments in order to control print costs, segregate budget center expenses, or limit printing activity to authorized users. Administrators can specify whether to accept or deny connections from a specific IP address or range of IP addresses on a client computer.

- **Port Blocking (Filtering)** allows administrators to deselect any number of ports from the setup. By default, all ports required by imagePASS services are enabled.

- **Secure Erase Option** removes traces of job data from the the imagePASS hard disk drive, providing a high level of document security on the Fiery server.

- **Simple Network Management Protocol (SNMP)** allows administrator to select from three levels of security, fulfilling the security requirements of large corporations and government.

- **Back Up and Restore** enables administrator to back up client settings and, if necessary, easily restore them.

- **Simple Network Time Protocol (SNTP)** allows the the imagePASS to connect to a remote date/time server to provide standardized time.

- **LDAP support**, a standard network protocol for accessing information in the directory, allows the to query and retrieve information through LDAP servers such as Outlook Exchange or Lotus Notes.

- **User Authentication** allows the administrator to define a set of users/groups who are authorized to perform a set of functions and/or tasks on the Fiery supporting resource management and cost reduction initiatives.

- **WebJet Admin Capability** provides connectivity through HP's WebJet Admin utility enabling administrators to manage Fiery driven devices with the same tool they use to manage network and desktop printers.
imagePASS ColorWise

ColorWise provides accurate colour across platforms, applications, and all types of media. A truly open colour management system, ColorWise gives the expert user maximum control over colour quality with a suite of advanced and precise tools. Personalized settings can be configured to accurately simulate and fine-tune the output of other devices.

Automatic, in-RIP processing for smoother workflow

With ColorWise, colour processing takes place only once, in-RIP at the imagPASS in the printer—not the workstation. And it is automatic. There’s no need to manually balance different colour management systems that can work against one another within various applications. ColorWise doesn’t rely on the skills of individual operators to check job settings. Once specified, the correct settings are applied consistently and not subject to operator error. Because ColorWise maximizes colour quality quickly and intelligently, work flows smoothly, print jobs are generated more quickly, and the operator’s computer system is freed up sooner for greater productivity. Use a variety of software applications, operating systems, and virtually any file format. And work in any colour space—CMYK, RGB, spot colours, or CIE L*a*b*.

Color transformations for accurate simulations

ColorWise support for colour transformations provides all the tools needed to create accurate simulations quickly and easily. Basic colour users also benefit from fast, hassle-free, superior colour printing. ColorWise offers great out-of-the-box colour, with features that convert raw files to stunning colour prints quickly, easily, and consistently. ICC profiles are used by ColorWise for accurate colour printing, even from RGB applications such as Microsoft Excel, PowerPoint, and Word. Download ICC sources, simulations, output, or device link profiles with Fiery Profile Manager for complete control over source colour spaces, press simulations, and copier output. The Color Editor allows operators to edit simulations and output profiles, which can then upload to Windows or Mac OS computers and download to other devices to provide the closest possible match between devices.

Auto Trapping

Eliminate trapping errors such as white edges caused by mis-registration, the physical properties of toners, and the stiffness of media. Fiery ColorWise features an automatic trapping feature that is so fast that it can be applied to variable data print jobs with no performance impact. Print devices continue to run at or near their rated speeds. Auto Trapping is independent of applications and activated through the Driver with a simple On/Off selection. No expert skills are required. Compression technology and exclusive trapping algorithms make the trapping process fast and transparent.
Predictable, repeatable colour printing with EFi ColorCal

ColorCal, the newest calibration solution analyzes 60 measurements per primary colour and uses the copier’s scanner as its measuring device. It compensates for measurement inconsistencies and lays out dynamic random patch patterns to compensate for spatial variation on a page. With two reference targets—Kodak grayscale and colour control patches—ColorCal provides highly accurate calibration. For added flexibility, ColorWise lets operators to use other instrument-based calibration as well.

For experts, the ultimate in fine-tuning

ColorWise offers a complete array of power tools for unprecedented colour control, including ICC profile support, colour editing, AutoGray, and support for device link profiles. The AutoGray function automatically adjusts gray balance based on a measurement page placed on a copier’s scanner. As a result, colour printing and graphic arts professionals can achieve the accuracy and performance they need to produce consistent colour of extraordinary quality. For advanced users, support for device link profiles enables operators to use their own colour management technology to dictate precise colour conversions and output quality between a colour space and an imagePASS driven printer.

Device link profiles give you full control over colour transformations and output quality.

Manage custom colours in an organized fashion

Generate the best matches for named colours, create custom spot colours, and manage them easily with the optional I Spot-On utility that allows operators to edit CMYK/RGB values associated with existing named colours in order to more closely match the desired named colour with expectations for the printed output. PANTONE library colours are automatically matched with their best CMYK/RGB equivalents and other colour systems are supported including HKS, Toyo and DIC spot colour systems. Utilizing a graphical user interface, Spot Color Search, offers manual control and helps “zero in” on the CMYK/RGB toner equivalents needed to adjust a desired spot colour for a given device. In addition to editing CMYK/RGB values for existing named colours, Spot-On enables operators to create custom spot colours and CMYK/RGB values, and then name them for easier reference helping to enforce corporate and client colour standards. Operators can also manage custom colours by grouping them into lists and naming the groups of colours.

Achieve a better match between the desired colour and the printed output.
imagePASS-H1 Options

imagePASS-H1 workflow option offers users maximize throughput with print production automation while optimizing the quality of the print output.

Impose

Impose option offers an intuitive imposition solution for large or complex documents that’s easy to use and versatile. With Impose operators can view thumbnails and full-screen previews, edit non-native files, add or delete pages, and pre-flight to check for errors before RIPping. Imposed jobs can be archived as PDF files to either the disk or server for future printing. Shorten the proofing cycle by sending remote customers the imposed PDF for approval. Print jobs imposed with Impose on engines that are not equipped with in-RIP imposition capability. Predefined imposition templates speed imposition, and an unlimited number of custom templates can be created and saved. Impose can also impose VDP jobs, and operators can approach VDP imposition in the same intuitive way as non-VDP imposition. EFI Impose architecture and workflow offers greater control during later stages of document production.

Hot Folders with Virtual Printer

Virtual Printers

Configure virtual printers and settings to organizational standards

Virtual Printers gives users a method of printing to the imagePASS that allows administrators to predefine settings to configure redundant print jobs, reduce repetitive steps and streamline workflow, for faster, error-free printing. Administrators can use virtual printers to centrally manage and configure printers as well as enter files with preconfigured settings to automate job submission and shorten turnaround times. Because relevant settings can be preserved by lockable constraints, with Virtual Printers administrators can also ensure that print processes conform to organizational standards.

Hot Folders

Reduce setup errors to increase productivity

The Hot Folders utility enhances productivity by automating the job submission process and reducing errors caused by mistakes in the job setup. Documents can be printed via drag and drop or print-to-file, providing users with optional methods of printing to a print engine. Hot Folders also cut down on repetitive workflows for faster, error-free printing by enabling users to work beyond their normal levels of expertise, even on complex jobs. The PDF to PostScript converter can convert any PDF 1.2-1.6 document to PostScript before submitting to the server, enabling support of newer PDF versions, as well as transparency for the imagePASS. All VDP jobs, including FreeForm and FreeForm 2, can be submitted through Hot Folders for automated job submission.
Specifications

imagePASS System 8e Utilities
• imagePASS Driver
• Spot-On®
• Auto Trapping
• Command WorkStation
  • Windows Edition
  • Macintosh Edition
• WebTools™
• ColorWise®
• FreeForm™

imagePASS System 8e Options
• Hot Folders/Virtual Printers
• Impose
• Secure Erase

Hardware
• Intel Celeron M Processor
  • 1.5 GHz
• 256+MB RAM (256 MB Optional)
• 80GB Hard Drive
• Fiery SmartRIP®
• Video Interface Card
• RIPChips™
• ECT Compression for flexible compression ratios and visually lossless image quality

Networking/Connectivity
• LDAP support
• Exchange, Novell, Domino
• LDAP V3/RFC2251
  • Email addresses access
  • Email address authentication
  • Certificate Management
  • SSL/TLS
• X509 Standard
• IP Sec Support
• IPv6 Support
• Simultaneous Autoswitching Protocols
• EtherTalk II
• TCP/IP
• Novell IPX
• Autosensing Ports
  • RJ45 for on-board 10/100/1000 Base-T
  and 10/100 Base-T
• Automatic IP configuration SNMP Printing Support
• AppleTalk
• Pserver
• SMB (peer-to-peer)

Safety
• CE Mark
• CSA
• TUV/GS
• UL
• CB Scheme
• EMC
• EN55022 Part B (CE marked)
• FCC Class B
• VCCI II

Power Supply and Consumption
• Auto Switching Power Supply with active PFC (Power factor Correction) AC ~ Input from 100V up to 240V AC~Current 4-2A 60-50Hz

Specifications subject to change without notice
©2007 Canon Canada Inc. All rights reserved