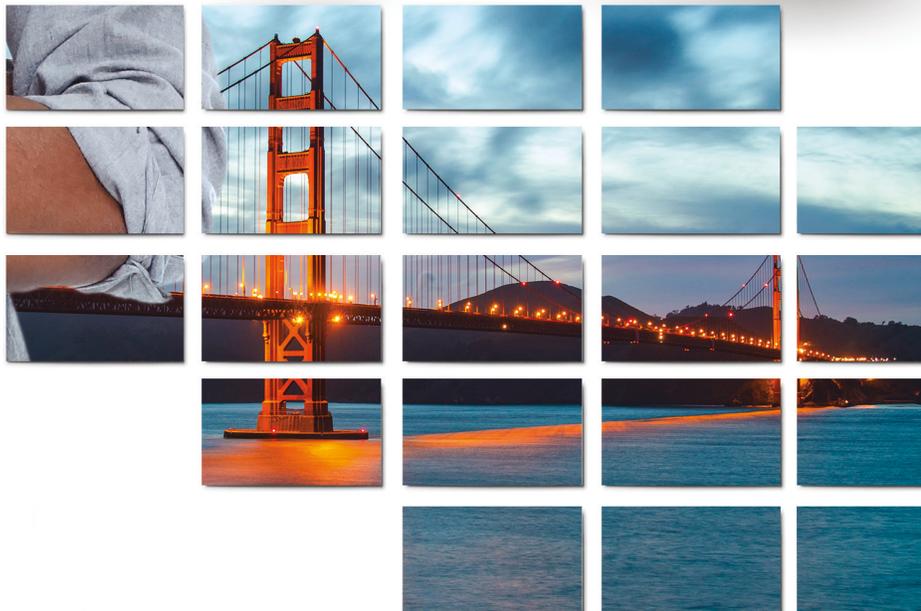
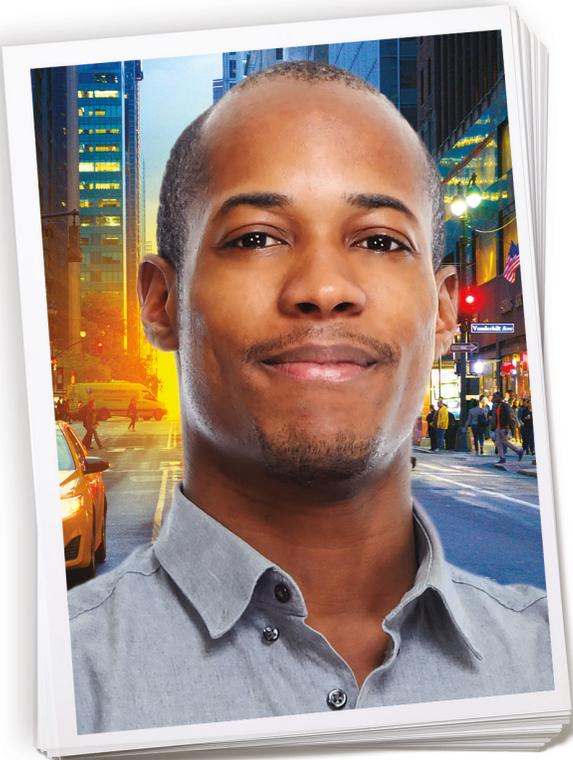


PRODUCTION  
PRINT SERVERS



PRISMAsync Print Servers

# SIMPLIFIED WORKFLOW FOR END-TO-END PERFORMANCE



## AT-A-GLANCE

### PRODUCTIVITY

- High-performance controller
- Configurable to help optimize productivity and performance
- Plan-ahead production with PRISMAsync Job Scheduler
- Remote job management and monitoring with PRISMAsync Remote Manager
- Powered by Adobe PDF Print Engine with Mercury RIP Architecture
- Analyze press trends and performance with PRISMAlytics Dashboard\*

### OUTPUT QUALITY

- Inline Spectrophotometric Sensors (ILS) support for automated calibration, media profile creation, and profile verification\*\*
- Optimized automation with Color Presets and Trapping Presets
- Spot color adjustments to help match PANTONE® and corporate colors
- PRISMAsync Embedded Profiler for fast and easy media profile creation
- Advanced image and color quality control tools for last-minute edits
- First DFE-embedded Idealliance G7® Certified System with in-RIP G7 calibration feature

### EASE OF USE

- First-time-right output with media-based workflow
- Avoid interruption in production with configurable operator alerts
- Intuitive organization, filtering, and searching of jobs
- User interface common design across the entire PRISMA suite
- Full preview of jobs including imposition, finishing, and color properties with Realistic Preview feature\*

### WORKFLOW INTEGRATION

- Seamless integration with PRISMA workflow solution suite
- JDF/JMF integration capability with Web-to-print or prepress tools\*\*\*
- Easy integration into existing workflows (Océ DPLink, Océ KDKlink)
- Support of Variable Data Printing (PDF/VT1, PPML)

\* Available with PRISMAsync Color Print Server V5.2 or above.

\*\* Available with PRISMAsync Color Print Server V6.1 or above for imagePRESS C10000VP series.

\*\*\* Requires professional services for customized solutions.

# PRISMAsync FAMILY OF PRINT SERVERS FOR CANON AND OCÉ SHEET-FED DIGITAL PRESSES

It's a familiar scenario in today's printing landscape: Flawless results are expected with impossible deadlines. Operators of different skill levels must efficiently produce complex documents in both black and white and color, and all while trying to control rising costs and production bottlenecks.

The PRISMAsync family of print servers can help streamline production by making printing operations more intuitive and uniform. Now operators can manage and run jobs through multiple presses easily and with limited mistakes than ever before. Every aspect of those jobs, from composition to media to production to finishing, can be easily managed—even those inevitable last-minute changes.

PRISMAsync print servers not only boost production capacity, they help lower cost and increase profitability. Employees feel supported and empowered to do their best. PRISMAsync delivers the high-performance, deadline-driven printing that can help grow your business and drive future success.



## PRISMA WORKFLOW SOLUTIONS

### PRISMAdirect

Order and workflow management solution that simplifies order intake, facilitates order management, helps reduce overhead costs, and enables faster turnaround time.



### PRISMAprepare

Job preparation software that simplifies document make-ready from composition through production.



### PRISMAsync Print Server

High-performance, digital front end that works seamlessly with PRISMA software modules to accelerate and streamline processes.



**Note:** Software capabilities described in this brochure relate to PRISMAsync configured with the full license options.

# EFFICIENT COLLABORATION



## STREAMLINED WORKFLOW

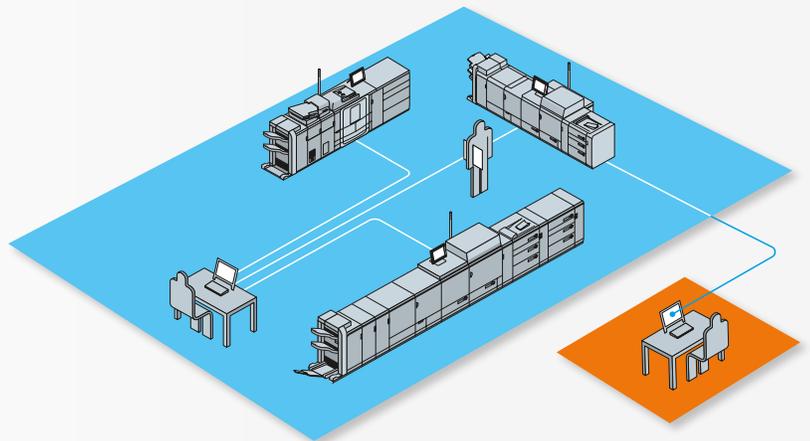
### A FLEXIBLE APPROACH

Even if your operation has multiple departments or just one person handling prepress through finishing, you need an efficient workflow process. PRISMAsync print servers deliver configuration flexibility to help optimize productivity and performance, whether you prefer a structured or ad hoc workflow.

### STRUCTURED WORKFLOW

In an operation with separate prepress and print production departments, PRISMAsync is the single point of control for your digital press, providing maximum support to your print operators. Key tasks are distributed, allowing prepress staff to focus on job preparation and print operators to concentrate on output quality and productivity. With clearly delineated tasks, people can become highly skilled and effective.

The configurable user interface feature\* enables system administrators to disable editing capabilities from the press console as well as to define the roles and access rights to PRISMAsync functionality, per role, to help match their operation's workflow.



### AD HOC WORKFLOW

PRISMAsync offers flexible control even if everything is done by the same person. Job parameters, imposition, and color editing—even up to page level—can be made right at the press console.



\*Available with PRISMAsync Print Server V5.1 or above.

# PRODUCTION CONTROL

## PLAN-AHEAD OPERATION

### MANAGE AND MONITOR PRODUCTION REMOTELY

PRISMAsync Remote Manager is a multipress scheduler and management console that provides greater control over your fleet of PRISMAsync-driven digital presses. This Web-based tool helps keep your presses running as continuously as possible, with work properly prioritized. Easily upload jobs, edit job properties, print and manipulate queues, and monitor your fleet from a remote workstation.\*

### MAXIMUM OPERATOR SUPPORT

Accelerate turnaround times with up to eight hours of uninterrupted plan-ahead production. The unique PRISMAsync Job Scheduler offers predictability by telling you everything you need to know to keep the system running with minimal idle time. Thanks to full-engine integration, the PRISMAsync controller can accurately predict production times and operator-intervention needs. At a glance, an operator can monitor all scheduled jobs, receive custom notifications, and change job priorities as needed.

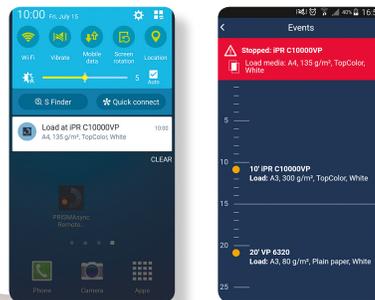


### MONITOR PRESS STATUS

An Operator Attention Light displays the press status from a distance in line with the Job Scheduler. It signals upcoming operator interventions, such as loading new media several minutes ahead of time, so action can be taken to prevent a halt in production.

### PRISMAsync REMOTE CONTROL\*\*

Operators are able to receive notifications for operator intervention from the printer on a compatible smartphone\*\*\* to help them plan ahead, react quickly when an event occurs, and, in the end, reduce printer idle time.



\* The remote workstation must be connected to the same network as the digital press. An HTML 5-compatible Web browser with JavaScript and WebSocket support is required. See the PRISMAsync Remote Manager documentation for details.

\*\* Setup and data transfer outside of your network and Google® or Microsoft® account is required. For details, please contact your Canon Authorized Dealer.

\*\*\* iOS 8.0 or later or Android 4.0 or later powered smartphone is required.

# THE RIGHT CHOICE



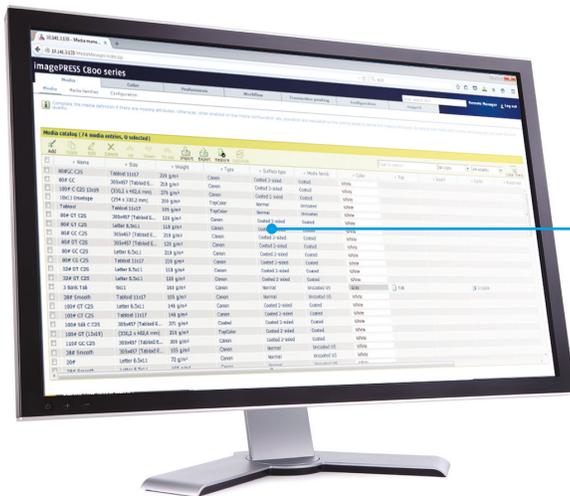
## MEDIA-BASED WORKFLOW

### CLEAR COMMUNICATION

With one media catalog, communications between prepress and production departments are clear. When jobs are submitted, the desired media are selected. The print operator knows which media to use and the press is automatically configured.

### SEAMLESS OPERATION

You can define media just once in the media catalog, which can then be easily exported for import into another PRISMAsync-driven press. Or, you can pull a media catalog directly into the PRISMAprepare document make-ready software or the PRISMAdirect order and workflow management solution.



### OPTIMIZE OUTPUT QUALITY

Printing with the correct settings optimizes print quality and boosts productivity for media. Media with the same characteristics that use the same output profiles and calibrations can be grouped into media families. PRISMAsync's print quality guidance helps operators achieve optimal results by signaling accidental printing on partially defined media. This helps minimize errors, turnaround time, and waste.

# EMPOWER USERS

## PEOPLE-CENTRIC DESIGN

### A CONSISTENT EXPERIENCE

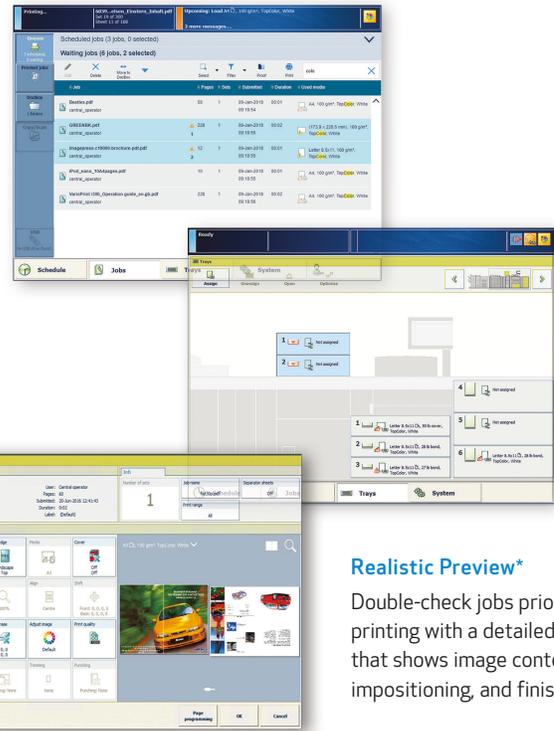
From one easy-to-use interface, operators can initiate simple jobs such as scan-to-file or more-complex jobs such as page programming. Whether performing tasks for color or monochrome PRISMAsync-driven presses, the experience is unified. Consistent operation helps to reduce mistakes and increase throughput.

### REDUCED TRAINING

Uniform operation means less training time and a shorter learning curve for faster delivery of impressive productivity across all systems.

### FLEXIBLE STAFF PLANNING

The PRISMAsync family of print servers makes it easy to reassign operators during peak production times or free up capacity to offer extra services.



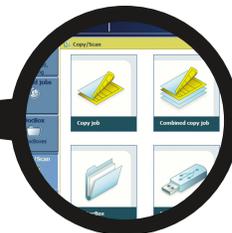
### Realistic Preview\*

Double-check jobs prior to printing with a detailed preview that shows image content, imposition, and finishing.



### INTUITIVE OPERATION

Tasks are made clear through a highly visual user interface with a common design throughout the entire suite of PRISMA workflow solutions. An intuitive interface for searching, sorting, and filtering of jobs means production environments can bring new efficiency to their daily workload.\*\*



### Uniformity in Operation

Day-to-day operations benefit from a unified user interface for copy, scan, and print functions.

\* Available with PRISMAsync Print Server V5.1 or above.

\*\* Available with PRISMAsync Print Server V6.1 or above.

# BRILLIANT OUTPUT

## INTELLIGENT COLOR MANAGEMENT



### POWERFUL CONTROLS

PRISMAsync controllers' intelligent color management system is built on Adobe's industry-renowned Color Management Module. It enables consistent, predictable output while also facilitating qualitative adjustments to satisfy demanding customers.

### OPTIMIZED AUTOMATION

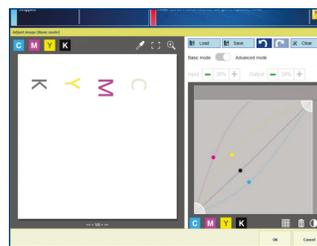
Not all files are created equal, and it isn't necessary for output to always achieve the same look and feel. For maximum efficiency, however, repetitive tasks should be standardized and automated as much as possible. PRISMAsync allows the definition of multiple Color Presets and Trapping Presets, each for a specific use. Presets are defined once and can be easily applied to any incoming job from prepress, automated workflows, or the print driver.

### EFFICIENT OUTPUT PROFILE CREATION

In cases where the factory default output profiles don't completely represent the characteristics of the chosen media for a project, customized output profiles can be created. PRISMAsync color print servers' embedded profiler can help users quickly and easily create media profiles, without having to invest in additional profiling tools.

### PRECISE COLOR CORRECTION TOOLSETS

Easily review and adjust print jobs before the run. PRISMAsync offers flexible color correction capabilities such as the CMYK curve editing and Digital Moiré Reduction with immediate visual feedback via realistic pixel precise previews.



### INDUSTRY-LEADING COLOR CALIBRATION

PRISMAsync incorporates an in-RIP G7 calibration method. Without a need for third-party software or complex procedures, print professionals can quickly and easily calibrate their PRISMAsync-driven imagePRESS color presses to achieve a near neutral print condition.\* With additional automation provided by Inline Spectrophotometric Sensors (ILS) support, profile creation can become even faster and easier.\*\* The same ILS sensors can be used to bring automation to verification of your customized profiles.\*\*\* This level of efficiency helps ensure your color is accurate, with minimal production interruptions.



### Spot and Substitute Colors

Accurately and consistently match PANTONE® four-color simulations and corporate colors for both RGB and CMYK. The PRISMAsync color library editor allows discrete control over spot colors also at tint levels in 1% increments.

\* For requirements regarding G7 conformation, please consult a Canon Authorized Dealer.

\*\* Available with PRISMAsync V5.2 for imagePRESS C10000VP.

\*\*\* Available with PRISMAsync Print Server V6.1 or above.

# A SECURE APPROACH

## COMPREHENSIVE SECURITY SOLUTIONS

### ADDRESS SECURITY CHALLENGES

Canon provides multilayered security solutions that protect devices, data, and document output. From guarding the device against unauthorized users to minimizing the risk of cyber attacks, Canon actively incorporates features and functions that meet today's challenges.

### KEEP SOFTWARE INTEGRITY

PRISMAsync print servers can be equipped with the optional Integrity Checker. Integrity Checker helps to control, continuously track, and validate the applications that are run on PRISMAsync, thereby minimizing risks.

### SECURITY WITH E-SHREDDING

Proper disposal of sensitive or confidential electronic data stored on a disk drive is imperative to prevent inadvertent disclosure of sensitive and/or confidential information.

Electronic data shredding (or e-shredding) functionality can help prevent unwanted recovery of previously printed, scanned, and copied documents. A number of overwrite algorithms are available including:

- **Gutmann:** All jobs on the system are erased in 35 overwrite passes.
- **Department of Defense 5220.22-M:** This is generally regarded as the highest standard for sanitization. It meets U.S. Department of Defense requirements for erasure of disk media.
- **Custom:** The system administrator defines the number of overwrite passes manually.

### USER AUTHENTICATION

The PRISMAsync Print Server provides two methods of password based user authentication to help control which users can access a press and the settings they are allowed to use.

1. System Administrators can control access to jobs, configuration settings, remote tools, and IT settings by creating groups or predefined roles.
2. For environments where a large number of users may need access to a digital press, the print server will connect to an LDAP server and users can simply enter their network credentials.



### Keep Private Information Safe

For more information on Canon security features and solutions, please visit [www.usa.canon.com/security](http://www.usa.canon.com/security).



# PRODUCTIVE SOLUTIONS

## SMOOTH INTEGRATION

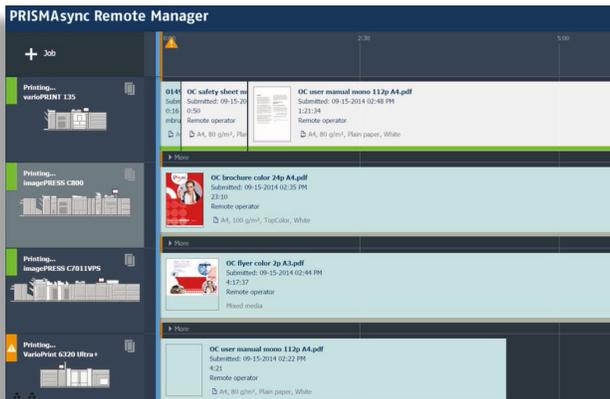
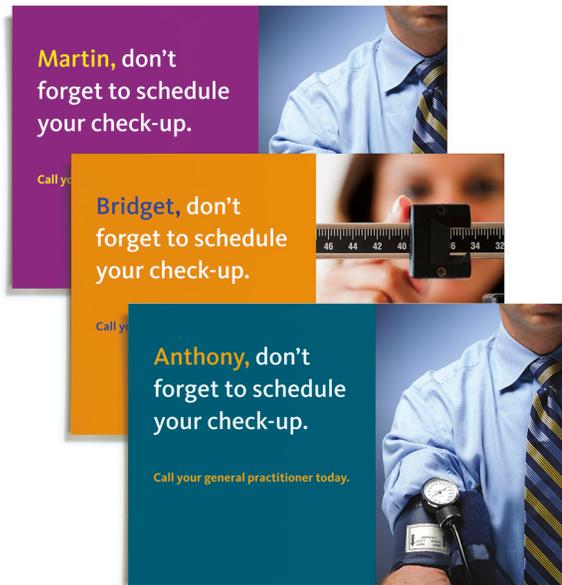
### ENABLE TARGETED MARKETING

PRISMAsync print servers provide powerful variable data printing (VDP) support with record-based editing and management, and compatibility with many industry-standard VDP workflows, including PDF/VT1 and PPML.

### PROTECT YOUR PREVIOUS INVESTMENT

PRISMAsync print servers offer a CIP4-compliant JDF/JMF\* interface for JDF/JMF version 1.3 to enable smooth integration of PRISMAsync-driven presses with various Web-to-print or prepress tools that communicate via JDF/JMF.

Océ DPLink and Océ KDKLink easily integrate PRISMAsync-driven Canon and Océ digital production presses into Xerox® FreeFlow® MakeReady and Kodak® Smartboard environments, without losing job-ticket settings or media attributes.\*\*



## POWER YOUR BUSINESS

### IMPROVE PRODUCTION WITH FACT-BASED DATA

PRISMAlytics Dashboard\*\*\* is a cloud-based service that records press data and turns it into an easy-to-access and interpret dashboard, displaying usage-, production- and consumption-related information of linked PRISMAsync-driven presses.▲ In an effort to help reduce costs and optimize productivity, print-site managers must continuously analyze performance metrics and PRISMAlytics Dashboard will automatically collect production data and transform it into business-critical information presented by means of an appealing and comprehensive visual and real-time dashboard.

### BENEFIT FROM AN INTEGRATED PRODUCTION WORKFLOW

Streamline and simplify complex workflows with the PRISMA suite of workflow solutions. From job submission and preparation through professionally finished output, invoicing, and reporting, PRISMA solutions help accelerate processes and help you to reduce costs and keep control of your operation.

Modules include PRISMAdirect job submission, order and print management software, PRISMAprepare job preparation software, and the PRISMAsync family of print servers. Select the modules that fit your desired workflow and add options as your operation grows.

\* Certified by PIA. Professional Services required for customized solution. Please contact your Canon Authorized Dealer for supported workflows.

\*\* Not all job-ticket features are supported on all engine configurations.

\*\*\* PRISMAsync Print Server V5.2 and a Google or Microsoft account required to gain access to PRISMAlytics. Setup and data transfer outside of your network is required.

▲ PRISMAsync Print Server Version 5.2 or later is required. At launch, press consumables data for imagePRESS will not be available.

## TOTAL SOLUTIONS

### EMPOWERING YOUR PRESSES

PRISMAsync print servers efficiently and effectively drive Canon and Océ sheet-fed digital production presses, including:

- Canon imagePRESS C10000VP Series
- Canon imagePRESS C850 Series
- Océ VarioPrint 6000 TITAN Series
- Canon varioPRINT 140 Series



## LEARN FROM EXPERIENCE

## TEAMING WITH CANON

### A COMPETITIVE ADVANTAGE

Canon will help you increase productivity and improve your bottom line. With extensive print experience comes deep insight into industry characteristics and trends as well as customer goals and challenges. Canon's understanding of various printing markets offers tailored solutions to meet your specific needs.

### TOTAL SOLUTIONS

The Canon portfolio of technology offerings is among the broadest in the industry. From digital, sheet-fed, web-fed, and wide-format systems to inkjet, photo printers, and workflow solutions, Canon has a customized solution for your business.

Customers share their experiences:

[USA.CANON.COM/PRODUCTIONPRINTING](http://USA.CANON.COM/PRODUCTIONPRINTING)



PRODUCT FEATURES		imagePRESS C10000VP Series	imagePRESS C850 Series	varioPRINT 140 Series	Océ VarioPrint 6000 TITAN Series
<b>PRISMAsync Software Version</b>		V6.1 or Higher	V6.1 or Higher	V5.2 or Higher	V7.2 or Higher
<b>HARDWARE AND SOFTWARE FEATURES</b>					
Job Management	<b>Scheduler</b> Enables Scheduler function on the user interface	Supported	Supported	Supported	Supported
	<b>DocBox</b> Enables storage folders as submission, editing, and storage locations for jobs	Supported	Supported	Supported	Supported
	<b>Page Programmer</b> Enables editing of jobs at the page level using actual job thumbnails at the user interface	Supported	Supported	Supported	NA
	<b>PRISMAlytics Dashboard</b> Analyze press trends and performance	Supported	Supported	NA	Supported
	<b>Remote Manager</b> Enables remote job upload, remote operation, and remote monitoring from Web browser	Supported	Supported	Supported	Supported
	<b>Remote Control</b> Receive preventative and immediate operator intervention notifications on smartphones	Supported	Supported	Supported	Supported
	<b>Multiple Queues/Hot Folders</b> Enables ability to set automated workflow	Supported	Supported	Supported	Supported
	<b>Operator Attention Light</b>	Supported	Supported	Supported	Supported
Scan	<b>Scan-to-File</b> Scan-to-e-mail/FTP feature	Supported	Supported	Supported	NA
	<b>Scan-to-File (color)</b> Color scan-to-e-mail/FTP feature	Supported	Supported	Supported	NA
PDL	<b>PostScript 3* and PDF**</b>	Supported	Supported	Supported	Supported
	<b>PCL 6</b>	NA	NA	Supported	Supported
	<b>XPS</b>	NA	NA	Supported	NA
	<b>IPDS</b>	NA	NA	NA	Supported
	<b>Adobe PDF for IPDS</b>	NA	NA	NA	Supported
	<b>Transactional PCL 6</b>	NA	NA	NA	Supported
	<b>PDF/VT1</b>	Supported	Supported	Supported	Supported
	<b>PPML 1.5, 2.1, 2.2</b>	Supported	Supported	Supported	Supported
Streaming	Spool-while-RIP-while-print-while-cleaning-up: unlimited job length at constant print speed via cleaning up while printing	Supported	Supported	Supported	Supported
Accounting	Comprehensive account and audit logging	Supported	Supported	Supported	Supported
Security	<b>E-shredding</b> Enables ability to overwrite all user data (print/copy/scan) when they're deleted from the system	Supported	Supported	Supported	Supported
	<b>Integrity Checker</b> Enables ability to continuously track and validate changes to the PRISMAsync software	Supported	Supported	Supported	Supported
	<b>Removable Hard Disk</b>	NA	NA	Supported	NA
Image Quality	<b>Advanced Color Management</b> Enables color-related functions such as DeviceLink, Color Simulation, Named Color Profile, Color Mapping, Color Control, and Info Bars	Supported	Supported	NA	NA
	<b>Trapping</b> Enables reduction in the visibility of a misregistration between colors	Supported	Supported	NA	NA
	Support for media calibration, color profiling, and profile verification	Supported	NA	NA	NA
	<b>il Pro/i1Pro2 Spectrophotometer</b>	Supported	Supported	NA	NA
Workflow Integration	<b>Océ DPlink</b> Enables the PRISMAsync-driven printer to be directly attached to existing Xerox DigiPath or Xerox FreeFlow system	Supported	Supported	Supported	Supported
	<b>Océ KDKlink</b> Enables the PRISMAsync-driven printer to be directly attached to existing Kodak SmartBoard make-ready system	NA	NA	Supported	Supported
Other	<b>Additional Font Sets</b> (Japanese, Korean, Simplified Chinese, Traditional Chinese)	Supported	Supported	Supported	Supported

**Note:** Not all features are standard.

\* Adobe PostScript level 3: CPSI version 3020.

\*\* PDF1.7, PDF/X (PDF/X means PDF/X-1a:2001, PDF/X-1a:2003, PDF/X-3:2002, PDF/X-3:2003, PDF/X-4).

 [USA.CANON.COM/PRODUCTIONPRINTING](http://USA.CANON.COM/PRODUCTIONPRINTING)



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POWERED BY  
Adobe PDF Print Engine  
with Mercury RIP architecture