



PRISMAsync Print Servers





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SIMPLIFY WORKFLOW FROM END-TO-END

It's a familiar scenario in today's printing landscape: Flawless results are expected with impossible deadlines. Operators of varying 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.



Outstanding Productivity

- High-performance print server
- 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 Dashboard¹

Amazing Quality

- Fast and easy automated calibration, media profile creation,¹ and profile verification¹
- First DFE-embedded Idealliance G7® Certified System with in-RIP G7 calibration feature¹
- Optimized automation with Color Presets
- Spot color adjustments to help match PANTONE® and corporate colors

Brilliant Versatility

- First-time-right output with media-based workflow
- JDF/JMF integration capability with Web-to-print or prepress tools²
- Intuitive organization, filtering, and searching of jobs
- Common user interface across the entire PRISMA suite
- Full preview of jobs including imposition, finishing, and color changes with Pixel Precise Preview

¹ Optional for the PRISMAsync Print Server LP.

² Requires professional services for customized solutions.



EMPOWER YOUR TEAM WITH PRISMAsync PRINT SERVERS

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 more easily than ever before. Many aspects 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 help boost production capacity, they help lower cost and increase profitability. Employees feel supported and empowered to do their best. This PRISMAsync Print Server delivers the high-performance, deadline-driven printing that can help grow your business and drive future success.



MANAGE EFFICIENT, STREAMLINED WORKFLOWS



A FLEXIBLE APPROACH

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

AD HOC WORKFLOW

The PRISMAsync Print Server offers flexible control even if everything is done by the same person. Job parameters, impositioning, and color editing—even at the page level—can be made directly at the press console.

STRUCTURED WORKFLOW

In an operation with separate prepress and print production departments, the PRISMAsync Print Server is the single point of control for your digital press, providing amazing 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 define the roles and access rights to PRISMAsync functionalities, per role, to help match your operation's workflow.

PLAN AHEAD WITH PRODUCTION CONTROL

MAXIMUM OPERATOR SUPPORT

Stay in control of your daily workload with up to eight hours of plan ahead production with Job Scheduler, where it will intuitively display time to completion of jobs and upcoming interventions for media, toner, or staples. Prepress and production tasks are intuitively clear with a highly visual user interface design. Templates, automated workflows, and hot folders allow for the managing of daily routine tasks.

MANAGE AND MONITOR PRODUCTION REMOTELY

PRISMAsync Remote Manager is a multipress scheduler and management console that provides great 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—all from a remote workstation.³

MONITOR PRESS STATUS

The 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 minimize a halt in production.

RECEIVE ALERTS ON THE GO

With PRISMAsync Remote Control,⁴ operators are able to receive notifications for key tasks from the press on a compatible smartphone⁵ to help them plan ahead, react quickly when an event occurs, and, in the end, help reduce printer down time.

³ 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.

⁴ Setup and data transfer outside of your network and Google® or Microsoft® are required. For details, please contact your Canon Authorized Dealer.

⁵ A smartphone powered by iOS 8.0 or later or Android 4.0 or later is required.



IMPROVE EFFICIENCY WITH AN INTUITIVE WORKFLOW



CLEAR COMMUNICATION

With a customized and intuitively named media catalog, locating and assigning paper stocks can be an easy process. When jobs are submitted, operators can quickly view the desired stocks and know which media is required, if a calibration is recommended, and the quantity for each production job.

VIRTUALLY 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 makeready software or the PRISMAdirect order and workflow management solution for a seamless and efficient prepress workflow.

REMOTE MATCH

PRISMAsync Remote Match⁶ is a cloud-based solution that connects to PRISMAsync devices to synchronize crucial device settings. From a single, centrally controlled interface, system administrators can determine which devices should be synchronized, when, and how. To help streamline efficiency within a print shop, color presets, media libraries, spot colors, and even automated workflows can all be coordinated to have the same parameters.

⁶ For details on specific model support, see page 11.

POWER YOUR BUSINESS WITH INTEGRATED SOLUTIONS

IMPROVE PRODUCTION WITH FACT-BASED DATA

PRISMAlytics Dashboard^{7,8} 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.⁹ 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.

PROTECT YOUR INVESTMENTS

PRISMAsync Print Servers offer a CIP4-compliant JDF/JMF¹⁰ 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 (options) 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.¹¹

ENABLE TARGETED MARKETING

PRISMAsync Print Servers provide powerful variable data printing support with record-based editing and management, and compatibility with many industry-standard VDP workflows, including PDF/VT1 and PPML.⁸

BENEFIT FROM AN INTEGRATED PRODUCTION WORKFLOW

Streamline and simplify complex operations 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 and prepress software

Select the modules that fit your desired workflow and add options as your operation grows.

⁷ A Google or Microsoft account is required to gain access to PRISMAlytics. Setup and data transfer outside your network are required.

⁸ For details on specific model support, see page 11.

⁹ PRISMAsync Print Server Mark 7 or later is required to view consumables for imagePRESS color digital presses.

¹⁰ Certified by PIA. Professional Services required for customized solution. Please contact your Canon Authorized Dealer for supported workflows.

¹¹ Not all job ticket features are supported on all engine configurations.



INTELLIGENT COLOR MANAGEMENT THAT PRODUCES BRILLIANT OUTPUT



POWERFUL CONTROLS

PRISMAsync Print Servers' 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.

INNOVATIVE COLOR CORRECTION FEATURES

The PRISMAsync Print Server incorporates an in-RIP G7 calibration method.¹² Without a need for third-party software or complex procedures, print professionals can quickly and easily calibrate and profile their PRISMAsync-driven imagePRESS color presses to achieve a near-neutral print condition.¹³ With additional automation provided by the Inline Spectrophotometric Sensors (ILS) profile creation can become even easier.¹⁴ The same ILS sensors can be used to bring automation to verification of your customized profiles.¹⁵ This level of efficiency helps ensure your color is accurate, with minimal production interruptions.

PRECISE COLOR CORRECTION TOOLSETS

Easily review and adjust print jobs before the run. The PRISMAsync Print Server offers flexible color correction capabilities, such as CMYK curve editing and Digital Moiré Reduction, with immediate visual feedback via Pixel Precise Preview.

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.

¹² Option for the PRISMAsync Print Server LP.

¹³ For requirements regarding G7 conformance, please consult a Canon Authorized Dealer.

¹⁴ Available with PRISMAsync Print Server v5.2 or newer for imagePRESS C10000VP.

¹⁵ Available with PRISMAsync Print Server v6.1 or newer for imagePRESS C10000VP.

SECURE AND PROTECT YOUR DEVICES, DATA, AND DOCUMENTS

HELP ADDRESS SECURITY CHALLENGES

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

SECURITY WITH E-SHREDDING¹⁶

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 job data for documents. Several overwrite algorithms are available that meet the Gutmann and Department of Defense 5220.22-M standard.

KEEP SOFTWARE INTEGRITY

PRISMAsync Print Servers can be equipped with the optional Integrity Checker,¹⁷ which helps to control, continuously track, and validate the applications that are running on the Print Server, thereby minimizing risks.

USER AUTHENTICATION

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

- System administrators can control access to jobs, configuration settings, remote tools, and IT settings by creating groups or predefined roles.
- 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.



PROTECT

White-listing application to help safeguard the integrity of the PRISMAsync software.



CONTROL

Limit and control access to the devices and settings to authorized employees.



DELETE

Dispose of electronic data and prevent unwanted recovery of confidential documents.



¹⁶ Optional

¹⁷ Standard for PRISMAsync Print Server Mark 7 and PRISMAsync Print Server LP for the imagePRESS C910 Series.

EXPERIENCE THE BENEFITS OF A PEOPLE-CENTRIC DESIGN

INTUITIVE OPERATION

Tasks are made clear through a highly visual user interface, one 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 daily workloads.

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 mixed media. Whether performing tasks for color or monochrome PRISMAsync-driven presses, the experience is unified. Consistent operation helps to reduce mistakes and increase throughput.

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 C910 Series
- Océ VarioPrint 6000 TITAN Series
- Canon varioPRINT 140 Series



TEAMING WITH CANON

Selecting the PRISMAsync Print Server means you also choose Canon. And this gets you over 80 years' experience in the design and development of innovative imaging technology. Canon adds to this experience every day, constantly improving its technologies to stay at the forefront of innovation.

You get the backing of a company that understands that each business and print room is unique, with its own needs. Canon and its Authorized Dealers bring the support and expertise to help you deliver new ideas and applications that can inspire your customers and help improve the productivity of your business.

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SPECIFICATIONS

		imagePRESS C910 Series		imagePRESS C10000VP Series	varioPRINT 140 Series	Océ VarioPrint 6000 TITAN Series
PRISMAsync Generation		Mark 7	Mark 7	Mark 6	Mark 6	Mark 6
Model Specific Software Release		v7.1	v7.1 LP	v6.1	v6.2	v7.3
Job Management	Scheduler Plan ahead for upcoming operator intervention.	Standard	Standard	Standard	Standard	Standard
	Remote Manager Upload and monitor jobs remotely.	Standard	Standard	Standard	Standard	Standard
	DocBox Create folders for job submission, editing, and storage.	Standard	Optional	Standard	Optional	Optional
	Page Programmer Edit jobs at the page level on the user interface.	Standard	Optional	Standard	Optional ¹⁸	NA
	Multiple Queues/Hot Folders Assign Automated Workflows to routine production jobs.	Standard	Standard	Standard	Optional	Standard
	Remote Control Receive preventative and immediate operator-intervention notifications on smartphones.	Standard	Standard	Standard	Standard	Standard
	PRISMAlytics Dashboard Analyze press trends and performance.	Standard	Optional	Standard	Standard	Standard
	Operator Attention Light	Standard	Optional	Standard	Optional	Standard
Image Quality	Advanced Color Management DeviceLink, Color Simulation, Embedded Profiler, Color Mapping, Color Control, and Info Bars.	Standard	Optional	Standard	NA	NA
	Embedded Profiler Support for media calibration, color profiling, and profile verification.	Standard	Optional	Standard	NA	NA
	APPE Trapping Enables reduction in the visibility of a misregistration between colors.	Standard	Optional	Standard	NA	NA
	ilPro2 Spectrophotometer	Standard	Optional	Standard	NA	NA
PDL	PostScript 3¹⁹ and PDF²⁰	Standard	Standard	Standard	Standard	Standard
	PCL 6	NA	NA	NA	Standard	Standard
	XPS	NA	NA	NA	Optional	NA
	IPDS	NA	NA	NA	NA	Optional
	Adobe PDF for IPDS	NA	NA	NA	NA	Optional
	Transactional PCL 6	NA	NA	NA	NA	Optional
	PDF/VT1	Standard	NA	Standard	Standard ²¹	Standard
	PPML 1.5, 2.1, 2.2	Standard	NA	Standard	Optional	Optional
Scan	Scan-to-File Scan-to-email/FTP feature	Standard	Standard	Standard	Standard	NA
	Scan-to-File (color) Color scan-to-email/FTP feature	Standard	Standard	Standard	Optional	NA
Security	E-Shredding Enables ability to overwrite data (print/copy/scan) when they're deleted from the system	Optional	Optional	Standard	Optional	Optional
	Integrity Checker Enables ability to continuously track and validate changes to the PRISMAsync software	Standard	Standard	Optional	Optional	Optional
	Removable Hard Disk	NA	NA	NA	Optional	NA
Streaming	Spool-while-RIP-while-print-while-cleaning-up: unlimited job length at constant print speed via cleaning up while printing	Standard	NA	Standard	Optional	Standard ²²
Accounting	Comprehensive account and audit logging	Standard	Optional	Standard	Optional	Standard
Workflow Integration	Océ DPlink Attaches the PRISMAsync-driven printer directly to the Xerox DigiPath or Xerox FreeFlow system	Optional	NA	Optional	Optional	Optional
	Océ KDKlink Attaches the PRISMAsync-driven printer directly to the Kodak SmartBoard makeready system	NA	NA	NA	Optional	Optional

¹⁸ Page Programming is included with the DocBox license on the varioPRINT 140 Series.

¹⁹ Adobe PostScript level 3: CPSI version 3020.

²⁰ 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).

²¹ Optional for the varioPRINT 115 model.

²² Limited functionality.



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