





# PRISMAsync Print Servers

PRISMA

## BE MORE PRODUCTIVE

It's a familiar scenario in today's printing landscape: Flawless results are expected with impossible deadlines. Operators of varying skill 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 Dashboard<sup>1</sup>

### Amazing Quality

- Fast and easy automated calibration, media profile creation,<sup>1</sup> and profile verification<sup>1</sup>
- First DFE-embedded Idealliance G7® Certified System with in-RIP G7 calibration feature<sup>1</sup>
- Optimized automation with Color Presets
- Spot color adjustments to help match PANTONE® and corporate colors
- Combine color setup functions into one action using the Automated Color Tasks feature

### Brilliant Versatility

- First-time-right output with media-based workflow
- Intuitively set up multiple-up and booklet impositions with Advanced Imposition<sup>2</sup>
- Intuitive organization, filtering, and searching of jobs
- Common user interface across the entire PRISMA suite
- Preview of jobs, including imposition, finishing, and color changes with Pixel Precise Preview

<sup>1</sup> Optional for the PRISMAsync print server LP.

<sup>2</sup> Optional license for color PRISMAsync print server version 8.1 or newer.

## EMPOWER YOUR TEAM

The PRISMAsync family of print servers can help streamline production by making printing operations more intuitive and uniform. Operators can manage and run jobs through multiple presses with simplicity, which helps drive productivity. 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 can not only help boost production capacity, they can also 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.



# STREAMLINE YOUR WORKFLOW



## 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—including at 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 to allow 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. They can also define the roles and access rights to PRISMASync functionalities, per role, to help match your operation's workflow.

# PLAN AHEAD

## OPERATOR SUPPORT

Stay in control of your daily workload with up to eight hours of plan-ahead production with Job Scheduler. This 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 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, and monitor your fleet—all from a remote workstation.<sup>3</sup>

## 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.

## ON THE GO

With PRISMAsync Remote Control,<sup>4</sup> operators are able to receive notifications for key tasks from the press on a compatible smartphone<sup>5</sup> to help them plan ahead, react quickly when an event occurs, and, in the end, help reduce printer down time.

<sup>3</sup> 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.

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

<sup>5</sup> A smartphone powered by iOS 8.0 or later or Android 4.0 or later is required.



# IMPROVE EFFICIENCY



## 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, whether a calibration is recommended, and the quantity for each production job.

## JOB SEARCH AND ORGANIZATION

When the job load starts to increase, the PRISMAsync print server has many methods to help locate and organize your jobs to help increase efficiency. Directly from the user interface, jobs can be filtered by numerous variables including media loaded in the press, assigned media, or desired output tray. Jobs can also be transferred and organized to a DocBox<sup>6</sup> for even greater organization.

## ADVANCED IMPOSITION

When complex jobs arrive that require custom layouts, the Advanced Imposition license<sup>7</sup> helps to make this process simple and efficient. Directly from the intuitive UI, an operator can set up custom multiple-up and booklet job layouts, set final trim sizes, set the page order, and even add trim marks—all while viewing the edits in real time.

<sup>6</sup> For details on specific model support, see page 11.

<sup>7</sup> Optional license for PRISMAsync print server version 8.1 or newer.

# POWER YOUR BUSINESS

## FACT-BASED DATA

PRISMAlytics Dashboard<sup>8,9</sup> is a cloud-based service that records press data and makes it easy to access and interpret. The dashboard displays usage-, production-, and consumption-related information of linked PRISMAsync-driven presses<sup>10</sup> on one convenient screen. In an effort to help reduce costs and optimize productivity, print site managers must continuously analyze performance metrics. PRISMAlytics Dashboard can help by automatically collecting production data and transforming 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/JMF<sup>11</sup> 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.

DLink and KDKlink (options) easily integrate PRISMAsync-driven Canon digital production presses into Xerox® FreeFlow® MakeReady and Kodak® Smartboard environments, without losing job ticket settings or media attributes.<sup>12</sup>

## ENABLE TARGETED MARKETING

PRISMAsync print servers provide powerful variable data printing support with record-based editing and management. They're also compatible with many industry-standard VDP workflows, including PDF/VT1 and PPML.<sup>9</sup>

## 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.

<sup>8</sup> A Google or Microsoft account is required to gain access to PRISMAlytics. Setup and data transfer outside your network are required.

<sup>9</sup> For details on specific model support, see page 11.

<sup>10</sup> PRISMAsync print server Mark 7 or later is required to view consumables for imagePRESS color digital presses.

<sup>11</sup> Certified by PIA. Professional Services required for customized solution. Please contact your Canon Authorized Dealer for supported workflows.

<sup>12</sup> Not all job ticket features are supported on all engine configurations; please check with your Canon Authorized Dealer.



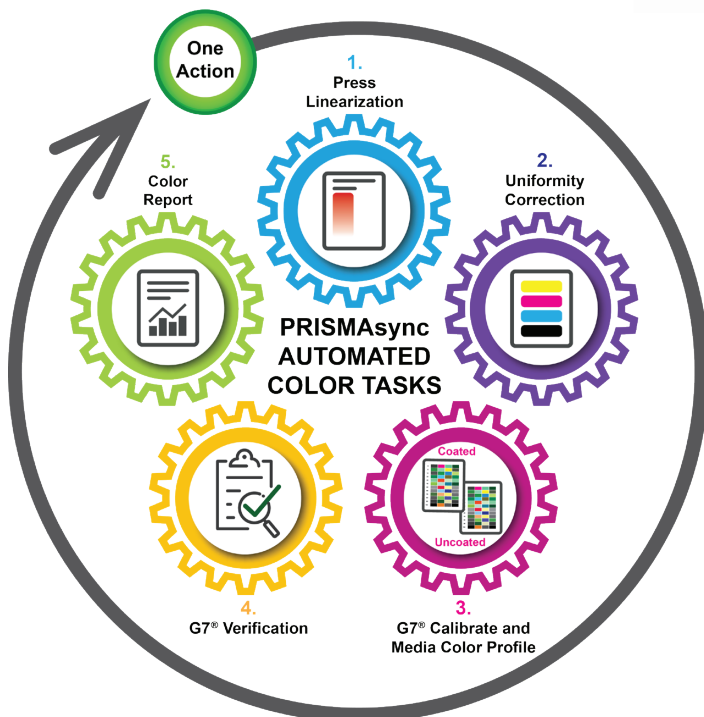
# INTELLIGENT COLOR MANAGEMENT

## 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.<sup>13</sup> 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.<sup>14</sup> With additional automation provided by the Inline Spectrophotometers (ILS), profile creation can become even 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.



## PRECISE COLOR 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—even at tint levels—in 1% increments.

Press operators can combine multiple processes and actions into one step, including press linearization, cross shade adjustment, G7 calibration and profiling, verifying G7 conformance, and printing the results in a single report! This helps provide high accuracy while also reducing labor cycles and allowing operators to attend to other critical tasks.<sup>15</sup>

<sup>13</sup> Option for the PRISMAsync print server LP.

<sup>14</sup> For requirements regarding G7 conformation, please consult a Canon Authorized Dealer.

<sup>15</sup> Optional license for color PRISMAsync print server version 8.1 or newer.



# PROTECT YOUR DEVICES

## HELP ADDRESS SECURITY CHALLENGES

Canon provides multilayered security solutions that help protect devices, data, and document output. To meet today's challenges, Canon incorporates features and functions that guard the device against unauthorized operators, thereby helping to minimize the risk of cyber attacks.

## SECURITY WITH E-SHREDDING<sup>16</sup>

Proper disposal of sensitive or confidential electronic data stored on a disk drive is imperative to helping 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.

## KEEP SOFTWARE INTEGRITY

PRISMAsync print servers can be equipped with the optional Integrity Checker,<sup>17</sup> which uses McAfee® Embedded Control to manage, continuously track, and validate the applications that are running on the print server, thus minimizing risks.

## USER AUTHENTICATION

The PRISMAsync print server provides two methods of password-based user authentication. These can help control who's given access to 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 many users may need access to a digital press, the print server will connect to an LDAP server and users can just enter their network credentials.



All digital presses shown with optional accessories.

<sup>16</sup> Optional

<sup>17</sup> Standard for PRISMAsync print server Mark 7 and above, and PRISMAsync print server.

# 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 sheet-fed digital production presses, including these models:

- imagePRESS V900 Series
- imagePRESS V1000
- imagePRESS V1350
- varioPRINT 140 Series
- varioPRINT 6000 TITAN Series



# SPECIFICATIONS

		imagePRESS V900 Series		imagePRESS V1000	imagePRESS V1350	varioPRINT 140 Series	varioPRINT 6000 TITAN Series
<b>PRISMAsync Generation</b>		Mark 9	Mark 9	Mark 8	Mark 9	Mark 8	Mark 8
<b>Model-Specific Software Release</b>		v9.1	v9.1 LP	v8.3	v9.1	v8.1	v8.5
<b>Job/Press Management</b>	<b>Scheduler</b> Plan ahead for upcoming operator intervention.	Standard	Standard	Standard	Standard	Standard	Standard
	<b>Remote Manager</b> Upload and monitor jobs remotely.	Standard	Standard	Standard	Standard	Standard	Standard
	<b>Advanced Imposition</b> Set up custom imposition layouts at the local UI.	Optional	Optional	Optional	Optional	Optional	Optional
	<b>DocBox</b> Create folders for job submission, editing, and storage.	Standard	Optional	Standard	Standard	Optional	Optional
	<b>Page Programmer</b> Edit jobs at the page level on the user interface.	Standard	Optional	Standard	Standard	Optional <sup>18</sup>	N/A
	<b>Multiple Queues/Hot Folders</b> Assign Automated Workflows to routine production jobs.	Standard	Standard	Standard	Standard	Optional	Standard
	<b>Remote Control</b> Receive preventative and immediate operator-intervention notifications on smartphones.	Standard	Standard	N/A	Standard	Standard	Standard
	<b>PRISMAlytics Dashboard</b> Analyze press trends and performance.	Standard	Optional	Standard	Standard	Standard	Standard
	<b>Operator Attention Light</b>	Standard	Optional	Standard	Standard	Optional	Standard
<b>Image Quality</b>	<b>Advanced Color Management</b> DeviceLink, Color Simulation, Embedded Profiler, Color Mapping, Color Control, Info Bars	Standard	Optional	Standard	Standard	N/A	N/A
	<b>Automated Color Tasks</b> Combine routine color calibration processes into one task.	Standard	Standard	Standard	Standard	N/A	N/A
	<b>Embedded Profiler</b> Support for media calibration, color profiling, and profile verification.	Standard	Optional	Standard	Standard	N/A	N/A
	<b>APPE Trapping</b> Enables reduction in the visibility of a misregistration between colors.	Standard	Optional	Standard	Standard	N/A	N/A
	<b>i1Pro3 Spectrophotometer</b>	Standard	Optional	Standard	Standard	N/A	N/A
<b>PDL</b>	<b>PostScript 3<sup>19</sup> and PDF<sup>20</sup></b>	Standard	Standard	Standard	Standard	Standard	Standard
	<b>PCL 6</b>	N/A	N/A	N/A	N/A	Standard	Standard
	<b>XPS</b>	N/A	N/A	N/A	N/A	Optional	N/A
	<b>IPDS</b>	N/A	N/A	N/A	N/A	N/A	Optional
	<b>Adobe PDF for IPDS</b>	N/A	N/A	N/A	N/A	N/A	Optional
	<b>Transactional PCL 6</b>	N/A	N/A	N/A	N/A	N/A	Optional
	<b>PDF/VT1</b>	Standard	N/A	Standard	Standard	Standard <sup>21</sup>	Standard
<b>PPML 1.5, 2.1, 2.2</b>	Standard	N/A	Standard	Standard	Optional	Optional	
<b>Scan</b>	<b>Scan-to-File</b> Scan-to-email/FTP feature	Standard	Standard	Standard	Standard	Standard	N/A
	<b>Scan-to-File (color)</b> Color scan-to-email/FTP feature	Standard	Standard	Standard	Standard	Optional	N/A
<b>Security</b>	<b>E-Shredding</b> Enables ability to overwrite data (print/copy/scan) when deleted from the system.	Optional	Optional	Optional	Standard	Optional	Optional
	<b>Integrity Checker</b> Enables ability to continuously track and validate changes to the PRISMAsync software.	Standard	Standard	Standard	Optional	Optional	Optional
	<b>Removable Hard Disk</b>	N/A	N/A	N/A	N/A	Optional	N/A
<b>Workflow Integration</b>	<b>DPLink</b> Attaches the PRISMAsync-driven printer directly to the Xerox DigiPath or Xerox FreeFlow system.	Optional	N/A	Optional	Optional	Optional	Optional
	<b>KDKlink</b> Attaches the PRISMAsync-driven printer directly to the Kodak SmartBoard makeready system.	N/A	N/A	N/A	N/A	Optional	Optional

<sup>18</sup> Page Programming is included with the DocBox license on the varioPRINT 140 Series.

<sup>19</sup> Adobe PostScript level 3: CPSI version 3020.

<sup>20</sup> 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).

<sup>21</sup> Optional for the varioPRINT 115 model.



PRISMA

# PRISMAsync Print Servers



## TEAMING WITH CANON

When you select a PRISMAsync print server, you're also choosing Canon. With over 80 years' experience in the design and development of innovative imaging technology, Canon seizes every opportunity to add to this experience, constantly improving its technologies to stay at the forefront of innovation.

Canon understands that each business and print room is unique, with its own needs. Offering both expertise and award-winning support, Canon and its Authorized Dealers can bring new ideas and applications that can inspire your customers and help improve the productivity of your business.

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