

Sheetfed

Color

Inkjet

High Volume



DATA SHEET

VarioPrint i-series+ REINVENTING SHORT-RUN INKJET PRINTING

Sheetfed flexibility combined with inkjet productivity

The VarioPrint i300 inkjet press transformed the cutsheet production landscape. Now, the inkjet series has been expanded to include the VarioPrint i200, giving you more options in high-volume, color, sheetfed printing. Available in two speeds, the expanded series combines efficient short runs, high media flexibility, faster turnaround times and exceptional end-to-end productivity.

With a low total cost of ownership, it opens up profitable application opportunities ranging from transactional to commercial print.

- Canon inkjet technology
- Production speeds of up to 294 (i300)/194 (i200) duplex letter impressions per minute
- Up to 210 simplex impressions per minute, printed two-up on ledger size sheets
- Paper sizes up to 13.8" x 20"
- Automated workflow
- iQuarius technologies for reliable high-speed inkjet image quality with iQuarius high-speed inkjet on sheets
- Competitive running costs in monochrome and color
- Flexible and versatile media handling
- Intelligent quality control

Consolidate mono and color pages

Combining the proven inkjet advantages of high productivity and low running costs with cutsheet versatility and media flexibility, the VarioPrint i-series+ is ideal for a wide range of color and monochrome applications. It combines black and white and color pages on one single print platform in a cost-efficient and productive manner—eliminating the need for dedicated monochrome and color printing systems.

Innovation with proven technology

The VarioPrint i-series+ incorporates a range of proven Canon technologies to enable high quality printing on a broad set of media. These include scalable PRISMAsync controller technology and PRISMA workflow integration, VarioPRINT 6000 pre- and post processing technologies, and ColorStream printhead technology. Its iQuarius technologies unite sheetfed versatility and inkjet productivity. The VarioPrint i-series+ also features a flexible architecture that can be easily upgraded with new product extensions and additional functionalities, such as the ability to print on offset/litho coated media.



SMART CHANGE STARTS HERE.

Expand your media choices

The VarioPrint i-series'+ optional ColorGrip feature enables printing on a wider range of media, expanding the application range. ColorGrip enhances the image quality on papers not designed for inkjet, giving these papers a print quality rivaling inkjet treated stocks. Consider the quality of an inkjet treated stock with the paper price of an uncoated offset commodity stock. ColorGrip also expands the media range to include some coated offset stocks. Now print jobs can include a variety of coated, uncoated, treated, and specialty stocks and the printer automatically adjusts the print parameters for each media type on a sheet-by-sheet basis.

Maximum end-to-end productivity

The VarioPrint i-series+ printer models offer a complete automated workflow and intuitive operation. They consistently deliver impressive production speeds up to 294 and 194 duplex letter impressions per minute on a wide range of media. Reduced set-up and finishing times together with a short start up/warm up period ensure maximum end-to-end productivity.

Versatile and flexible media handling

The VarioPrint i-series+ produces excellent results on a wide variety of media, including uncoated (offset) and inkjet treated paper. It can print on media up to 13.8" x 20" and different papers can be easily loaded within or between jobs. Air separated paper feeds ensure reliable input from the high capacity paper trays as well as smooth switching between different types of media. A seamless print belt moves sheets at high speed through the system, keeping them securely in place and flat during transport, and allows productive switching of media sizes with no mechanical adjustments.

Quality assured from start to finish

The VarioPrint i-series+ is designed to ensure optimum quality for each application. By controlling drop size, you can print at a perceived 1200 dpi image quality level. Quality control is intelligent and automated. A "sentry" unit automatically inspects media at full speed just before the print process begins and purges any sheets with detected imperfections via a top tray—without a production stop.

	VarioPrint i-series+	
TECHNOLOGY	VarioPrint i200	VarioPrint i300
Model	Sheetfed inkjet digital press	
Technology	Drop-on-demand, piezo electric	
Ink	Proprietary aqueous pigment ink	
Colors	CMYK standard	
Print Resolution	600 x 600 dpi, with multilevel droplet modulation for perceived 1200 dpi image quality	
Print Speed	Up to 194 duplex letter impressions per minute, Up to 170 simplex letter impressions per minute, Up to 11,640 letter impressions per hour	Up to 294 duplex letter impressions per minute, Up to 170 simplex letter impressions per minute, Up to 17,640 letter impressions per hour
Average Monthly Print Volume	2 to 5 million letter impressions	
Maximum Volume	Up to 6 million letter impressions per month	Up to 10 million letter impressions per month
Maximum Print Area Width / Length	12.7" x 19.5"	
Print Distance From Edge	.08" (2 mm) on all sides	
PAPER INPUT (PAPER INPUT MODULES)		
Description	<ul style="list-style-type: none"> Paper input module (PIM) with 4 input trays: Standard PIM or PIM Flex XL, up to 3 PIMs, any combination of PIMs supported PIMs provide integrated humidity conditioning to prevent waviness and help ensure the best quality output and optimal productivity Air separated vacuum feed input: Provides reliable feeding and high-speed performance for a variety of substrates 	
Paper Trays	Paper trays 1 and 2: 600 sheets 20 lb. bond / 2.5" stack height Paper trays 3 and 4: 1,700 sheets 20 lb. bond / 7.1" stack height	
Maximum Input Capacity	3 x 4,600 sheets (13,800) 20 lb. bond Dual Tray Option for trays 3 and 4 of Standard PIM: 3,300 letter-size 20 lb. bond sheets per tray, PIM Total 7,800 3 PIMs: Up to 23,400 sheets total input capacity with Dual Paper Tray options installed*	
Paper Sizes	Standard PIM: All custom sizes between minimum 8" x 8" and maximum 12.6" x 19.2" supported* Option for Standard PIM: 7" x 10" Statement support (with guide) PIM Flex XL: All sizes between 8" x 8" and 13.8" x 20" supported	
Paper Weight	60 - 300 gsm / 40 lb. offset - 100 lb. cover (Exact paper weight range may vary by media type. Weights above and below range are subject to testing.)	
Substrates	Plain, offset uncoated/coated, inkjet optimized uncoated/coated, specialty media (including ID cards, labels, NCR, perf/punch, photo, security, synthetics, tabs). Reference the VarioPrint i-series media catalog for full list of approved media.	
PAPER OUTPUT (HIGH CAPACITY STACKER)		
Description	Up to 2 High Capacity Stackers. Straight and offset stacking. Unload while print. Optional (3rd party) finishing device (DFD) interface.	
Main Trays	Stack tray and eject tray, each holding one stack Stack Tray Capacity: 6,000 sheets in 2 x 3,000 sheet stacks / 20 lb. bond paper Maximum stack height: 14" stack with configurable stack height	

* When Dual Paper Tray option is installed in tray 3 and/or 4 that tray supports letter size paper only.

ENVIRONMENTAL	
Temperature Range	Optimal range 68–79 °F
Relative Humidity Range	Optimal range 30–50% RH
Atmospheric Pressure Range	840–1,060 mbar (5,000 ft. above sea level)
Noise Emission	Sound pressure position level (at Operator Panel) running 71 dB, stand-by 61 dB
Other Requirements	<ul style="list-style-type: none"> - Compressed air - Active exhaust system to vent warm air to outside - Tap water connection for internal press climate control - Reverse Osmosis unit for paper input module (More information on the Reverse Osmosis unit available in Site Survey) - Network connections for remote service support

ELECTRICAL REQUIREMENTS							
Mains Connection Print Module				Mains Connection Operating Console		Mains Connection Control Module (contains Service Work Station and RIP clients)	
Description	Value			Description	Value	Description	Value
Mains Power Connection	50 / 60Hz	50 / 60Hz	50 / 60Hz	Mains Power Connection	50 / 60Hz	Mains Power Connection	50 / 60Hz
	Δ	Δ	Y		100 – 240V		200 – 240V
	200V, 220V, or 230V	208V or 240V	220/380V, 240/415V, or 277/480V		±10%		±10%
	±10%	-10%/+6%	±10%	Transformer Needed	NO	Transformer Needed	NO
Transformer Needed	YES	YES	YES	Rated Current	5.5A	Rated Current	10A
Rated Current	85A	85A	76A	Building Fuse	13 – 20A	Building Fuse	20A
Building Fuse	125A	125A	100A				

POWER CONSUMPTION	
Power Consumption (kW)	<ul style="list-style-type: none"> - Sleep: 0.9 - Ready: 7.1 - Printing: 15.6 (80 gsm plain paper, 5-40% coverage) - Maximum: 37.6

PHYSICAL DATA	
Physical Dimensions (W x D x H)	33' x 9'2" x 7'10" (main engine with transformer, 2 PIMs, 1 HCS, excluding operator console)
Minimal Space W x D x H, including Service Clearance	38'5" x 18'10" x 10' (main engine with transformer, 2 PIMs, 1 HCS, excluding operator console)
Weight	Approximately 15,900 lbs. (main engine, 2 PIMs, 1 HCS)
Floor Load	Maximum point load 12 N/mm ² or 1,740 psi (print module castors)

WORKFLOW	
Controller	PRISMAsync Controller (Standard includes 1 PDL, Job Scheduler, Remote Manager, Advanced Color Management, Trapping, Streaming, Accounting, Hot Folders, Socket [streaming, JDF/JMF (native)], IPP 2.0, Remote PDF driver, E-shredding, PRISMAlytics Dashboard, Remote Service)
Page Description Languages	PS, PDF 1.7, PDF/X, APPE version 4, PDF/VT1, PPML 2.2, SRA Bundle 16 P7 and native IPDS*
Connectivity	2x 10 gigabit Ethernet 10/100/1000 Base T, TCP/IP (LPR/LPD, 9100 Socket), static/auto IP (DHCP), IPv4, IPv6 (Document Printing mode only), Network Time Protocol (NTP)

STANDARD FEATURES	
<ul style="list-style-type: none"> • Nozzle Failure Detection and Compensation • Paper Sentry Unit 	<ul style="list-style-type: none"> • Automated self-cleaning print heads

OPTIONS		
<ul style="list-style-type: none"> • Additional PIM (PIM or Flex PIM XL), up to 3 PIMs total • 1 additional HCS • Controller option (2nd PDL) 	<ul style="list-style-type: none"> • Finishing options • DPLink software • Dual Paper Trays 	<ul style="list-style-type: none"> • ColorGrip • MICR • DocBox

SPEED (IMAGES PER MINUTE) STANDARD PAPER FORMATS	
i300** Simplex: 172 letter / 121 legal / 105 ledger / 100 (12" x 18") / 96 (13" x 19") Duplex: 294 letter / 176 legal / 150 ledger / 142 (12" x 18") / 136 (13" x 19")	i300 Simplex Specialty***: 165 letter / 109 legal / 91 ledger / 87 (12" x 18") / 80 (13" x 19") Duplex Specialty***: 195 letter / 124 legal / 104 ledger / 99 (12" x 18") / 94 (13" x 19")
i200** Simplex: 172 letter / 121 legal / 105 ledger / 100 (12" x 18") / 96 (13" x 19") Duplex: 195 letter / 126 legal / 106 ledger / 101 (12" x 18") / 96 (13" x 19")	i200 Simplex Specialty***: 147 letter / 95 legal / 79 ledger / 75 (12" x 18") / 80 (13" x 19") Duplex Specialty***: 147 letter / 95 legal / 79 ledger / 75 (12" x 18") / 72 (13" x 19")

* One PDL standard (PDF or IPDS), second PDL optional.
 ** Requires 2 PIMs with same media loaded in each PIM for the job. Output position: face down HCS, face up top tray or face up to finishing
 *** The VarioPrint i300 Media Library profiles each media type and uses Specialty Speed for specific media.

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