

varioPRINT 140 series QUARTZ

PERFORMANCE THROUGHOUT: CLASS LEADING PRODUCTION PRINTER – SUPERB UPTIME AND OUTSTANDING IMAGE QUALITY

The varioPRINT 140 series QUARTZ offers unparalleled reliability, impressive quality, strong environmental credentials and excellent output speeds, setting a new standard for monochrome production printing.



- Consistently high-quality prints thanks to DirectPress technology
- Speeds of up to 143 images per minute
- Maximum output volume of 800,000 images per month
- Peerless reliability means the printer requires minimal maintenance
- EnergyLogic delivers smart energy usage with zero ozone emissions
- Upgrade speed with temporary or permanent licenses, providing flexibility to respond to changes in levels of demand
- HeatXchange technology further reduces energy consumption
- Embedded PRISMAsync controller offers intuitive operation and simplified scheduling
- Seamless workflow integration for smooth end-to-end production
- Range of inline accessories and DFD support for online finishing
- Superb registration, with excellent line-sharpness and halftone uniformity

Canon

TECHNICAL SPECIFICATIONS

varioPRINT 140 series QUARTZ

TECHNOLOGY

Description	Black & white printer / scanner / copier		
Imaging technology	DirectPress®		
Toner	Mono-component toner		
Engine resolution	600 x 2400 dpi		
Features	Toner Transfer Fusing (TTF) technology, HeatXchange technology, On-the-fly toner and paper refill; Automatic duplexing (up to 300 gsm), Active registration		
Options	Operator attention light with adjustable warn-ahead functions, CCD interface		
Print speed (simplex and duplex)	A4 duplex	A3 duplex	SRA3 duplex
varioPRINT 140	143 ipm	75 ipm	70 ipm
varioPRINT 130	133 ipm	69 ipm	65 ipm
varioPRINT 115	117 ipm	61 ipm	58 ipm

SEGMENT

Recommended average print volume (A4)	varioPRINT 140: 200,000-800,000 varioPRINT 130: 150,000-650,000 varioPRINT 115: 80,000-500,000		
Duty cycle	varioPRINT 115 up to 1,800,000 images per month varioPRINT 130 up to 2,100,000 images per month varioPRINT 140 up to 2,300,000 images per month		

GENERAL

User operation	Integrated 15" full colour touchscreen operator panel; Full engine / controller integration with one point of control PRISMAsync controller Remote Control: iOS/Android application Remote monitoring: on desktop via Remote User Interface Remote Meter Reading: secure and easy transmission of meter readings Remote Diagnostics: for maximum printer uptime Remote Software Upgrade: always the latest software and functionality available		
Warm-up time	150-270 seconds, depending on amount of toner in cleaner		
First copy time	Simplex: 3.9 seconds		
First print time	Simplex and ripped: 5.1 seconds		
Registration tolerance	Maximum +/- 0.5 mm (A4 images)		
Dimensions main engine (WxDxH)	1130 x 765 x 1040 mm (excluding user interface) 1130 x 765 x 1430 mm (including user interface)		
Weight main engine	263 kg (with Scanner / Automatic document feeder)		
Certificates	EPA Energy Star®/ TEC compliancy, RoHS, Cetecom / CE Class A, FCC Class A, UL / TÜV / CE, REACH		
Product Safety & Environment	EPA/TEC compliance, RoHS compliance, Cetecom / CE Class A, FCC Class A, UL / TÜV / CE, VCCI, ErP, China RoHS, CRDH FDA (USA), WEEE, Green Procurement Standards, EAC, KC, RCM, International Energy Star		
Other compliances	Section 508, EPEAT SILVER, De-inkability certificate		
Operating system	Windows 10		
Processor	3.1 GHz		
Memory	4 GB		
Hard disk	500 GB		
Interface	10/100/1000 Base-T		
Page Description Language	APPE (Adobe® PDF Print Engine): Adobe® PostScript® 3TM/ streaming PostScript®; PPML/GA Level 1; PPML versions 1.5, 2.1 and 2.2 PDF 1.7; PCL 6; XPS; IPDS(options); Xerox® PPP support		
Fonts	136 Type1 fonts for roman languages Use of PostScript fonts via Settings Editor		
Protocols	TCP/IP (LPR/LPD, socket), SMB static/auto IP (via DHCP), SNMP v1-v3 (printer MIB, private MIB), Job monitoring MIB, IPP		
Printer drivers	PS3 UPD - Windows Server 2003(R2) /Vista/Windows Server 2008 /Windows 7/ Windows Server 2008 R2/ Windows 8/Windows server 2012/Windows 8.1/Windows 2012 R2/Windows 10/ Windows Server 2016 PS3 PPD - legacy Windows and MAC/Linux-CUPS/other PS3 - Macintosh (Mac OS 10.6/10.7/10.8/10.9/10.10/ 10.11/ 10.12/ 10.13) PCL6 UPD - Windows Server 2003(R2)/Vista/Windows Server 2008 /Windows 7/ Windows Server 2008 R2/ Windows 8/Windows server 2012/Windows 8.1/Windows 2012 R2/Windows 10/ Windows Server 2016 PCL6 GPD - legacy Windows and MAC/Linux-CUPS/other MicroSoft XPS UPD - Microsoft Windows Client Vista/ Windows Server 2008 /Windows 7/ Windows Server 2008 R2/Windows 8/Windows server 2012/Windows 8.1/Windows 2012 R2/Windows 10/ Windows Server 2016 SAP Device Type (SAP R/3 4.6 and higher)		

Security

	Common Criteria EAL 2+, E-shredding, HTTPs, Firewall, PIN for Doc Box, User authentication to SDS, Removable hard disk, IPv6, software protection license (integrity checker), user authentication per user role: key operator, system administrator and service representative
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Features

	Schedule (8 hours ahead), DocBox for advanced job editing, One queue and job management for copying and printing , Spool-while-rip-while-print-while-clean-up, Multi-job processing, Multitasking (print / copy / scan), JDF connector compatible, Remote Meter Reading, Remote Diagnostics, Remote Software Upgrade and remote control
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Optional licenses

	DocBox, Schedule, Colour Scan to file/e-mail, E-shredding, Multiple queues, Streaming printing, Accounting DPLink (integration in customer Xerox infrastructure), KDKlink (integration in customer Kodak infrastructure), PRISMAlytics Dashboard Font sets: Korean, Japanese, Simplified Chinese, Traditional Chinese
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ENVIRONMENTAL

Sound power level	Ready mode: max 33dB Print mode: max 64dB
Ozone emissions	None (engine)
Power requirement	1-Phase, 200 - 240 V; 50/60 Hz
Power consumption	Ready mode: 270W Low power mode: 150W Sleep mode: 4.3W (excl. controller) Operation (duplex): vP115: 1.9 kW vP130: 2.0 kW vP140: 2.2 kW
Optimum temperature & Relative humidity	17° C - 30° C / 20% - 80%
Room ventilation	50 m³ or >2AC/hr at room size > 50 m³

INTERNAL PAPER MODULE

Paper trays	2 x 1500 sheets (80 gsm) 2 x 500 sheets (80 gsm)
Paper size and weight*	50 - 300 gsm A4, B5 and A5 (bulk trays 1+2) 140 x 182 mm - up to 320 x 432 mm (tray 3) 140 x 182 mm - up to 320 x 488 mm (tray 4)
Paper feed technology	Friction feed, Paper Logic from all trays

EXTERNAL PAPER MODULE

Description	Optional external paper input module with single or dual paper trays
First module	2 x 1700 sheets (80 gsm, all sizes) 2 x 600 sheets (80 gsm, all sizes) Dual configuration: max. up to 3400 sheets (80 gsm, A4) 2 x 600 sheets (80 gsm, all sizes)
Maximum paper capacity	8,000 sheets (A4 80 gsm) / 4,600 sheets (all sizes)
Paper size and weight	50 - 300 gsm 203 x 203 mm - 320 x 488 mm (all trays)
Paper feed technology	Suction feed, Air separation, Paper Logic from all trays
Dimensions (WxDxH)	987 x 743 x 1056 mm
Weight unit	203 kg
Power requirement	90-264 V, 40-67 Hz, 200 W
Features	Automatic paper size detection, Tray-empty detection, On-the-fly paper loading, Paper-level indication, Tab sheet processing, Custom paper size support, Optional dual paper trays

PRINTING

Job management	DocBox, Queue and History, Waiting Room
Print resolution	Adobe PostScript 3: 1200 x 1200 dpi; 600 x 2400 dpi PCL: 600 x 600 dpi
Maximum printable area	Adobe PostScript 3: 3 mm from side, maximum 308 x 484 mm PCL: 6 mm
Screen frequency	PCL: maximum 106 lpi Adobe PostScript 3: maximum 200 lpi Adobe PostScript 3: 200
Grey levels	PCL: 125



* Specifications are validated for Canon recommended media

TECHNICAL SPECIFICATIONS

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Features	RIP at rated engine speed, Pre-RIP, Print-while-rip-while-spool (Streaming), Mixplex, Hotfolder & multiple queue support	Acceptable Paper Size	A4R Z-fold: A3, B4
COPYING		Power Source	From Finisher-W1 or Booklet Finisher-W1
Copy resolution	600 x 1200 dpi	Dimension	336 x 793 x 1190 mm
Exposure control	Auto / Manual (9-step scale), Text, Text / Photo, Photo	Weight	Approx 71 kg
Zoom	25 - 400%; automatic		
Screen frequency	200 lpi	STAPLE FINISHER	
Grey levels	200	Basic Information	Staple and stacking finisher
Features	Automatic quality optimization for text / photo	Number of Trays	2
		Upper Tray (A) Capacity	A4/A4R/A5R 1,000 sheets, A3 1,000 sheets, SRA3/13"x19" 1,000 sheets
SCANNING		Lower Tray (B) Capacity	A4 4,000 sheets, A4R 2,000 sheets, A3 1,500 sheets, SRA3 1,000 sheets
Resolution	75, 100, 150, 200, 300 (default), 600 dpi	Stapled stacking capacity	A4 200 sets or max 3,000 sheet
Colour scanning	Optional License	Stapling Position	Corner, Double
Destination	Scan-to-Email, Scan-to-DocBox, Scan-to-FTP, Scan-to-USB, scan to PDF (DocBox), scan to SMB	Acceptable Paper Weight	50 - 300 gsm
File format	PDF (single-page and multiple-page), TIFF, JPEG / sRGB (colour scanning)	Staple Capacity:	A4: 100 sheets, A3/A4R: 50 sheets
Features	Thumbnail preview (DocBox), Scan profiles, Status overview, Grey level scanning, Scan-once-print-many, Scan-while-warming up, Scan-while-print, Subset-scanning, RGB color scanning, Scan to File mixed sizes, Multi-tasking user interface, Double sheet detection	Power Source	230V x 10A
		Dimension	800 x 792 x 1239 mm
		Weight	130 kg
		BOOKLET FINISHER	
DUPLEX COLOUR IMAGE READER		Basic Information	Same functionality as Finisher W1 and additional saddle stitching and V-folding functionality Up to 100 pages booklet available (2 - 25 sheets) Stack capacity up to 5000 sheets and up to 100 sheets stapled
Capacity	200 sheets (80 gsm)	Number of Trays	2
Maximum resolution	600 x 600 dpi	Upper Tray (A) Capacity	1,000 sheets A4/A4R/A5R, 1,000 sheets A3, 1,000 sheets SRA3/13"x19"
Maximum scan speed (Duplex)	A4, Black & white/colour, 300 x 300 dpi: up to 139 ipm/136 ipm A4, Black & white, 600 x 600 dpi: up to 139 ipm A4, Colour, 600 x 600 dpi: up to 36 ipm	Lower Tray (B) Capacity	A4 4,000 sheets, A4R 2,000 sheets, A3 1,500 sheets, SRA3 1,000 sheets
Auto detectable original size	A3, A4, A4R, A5, A5R, Free sizes (W x L): Min. 140 mm x 128 mm, Max. 432 mm x 305 mm	Stapled stacking capacity	A4 200 sets or max 3,000 sheet
Paper weight	1-sided: 38 - 220 gsm 2-sided: 38 - 220 gsm	Stapling Position	Corner, Double
		Acceptable Paper Weight	50 - 300 gsm
DOCUMENT INSERTION UNIT		Booklet stitch paper size	A3, A4R, SRA3, 13"x19", Free size 210 x 279.4 mm to 330.2 x 487.7 mm
Number of Trays	2-bin	V-Folding	Up to 5 sheets
Tray Capacity	200 sheet / bin	Power Source	230V x 10A
Paper Weight	52 - 300 gsm	Dimension	800 x 792 x 1239 mm
Paper Size	A3, A4, A4R, SRA3, 13"x19", Free size (182 x 182 mm to 330.2 x 487.7 mm)	Weight	Approx 180 kg
Power Source / Consumption	230V 10A	BOOKLET TRIMMER	
Dimensions	336 mm (746 mm including Tray) x 793 mm x 1407 mm	One Edge Trimming	Fore-edge
Weight	Approx 61 kg	Trim Width	2 - 28 mm
HIGH CAPACITY STACKER		Trim Thickness	Up to 50 sheets (includes Cover, by half fold)
Stack Tray Capacity	Stack tray: 6,000 sheets (80 gsm) in two stacks of 3,000 sheets each	Acceptable Paper Weight	50 - 300 gsm
Top Tray Capacity	Top Tray: 200 sheets	Output Tray Capacity	30 booklets
Acceptable Paper Weight	50 - 300 gsm	Power Source	Booklet finisher W1
Acceptable Paper Size	Max defined for main engine. Custom sizes between min. 140 x 182mm up to 320 x 488mm, mixed sizes, tabs and folded sheets 230V 10A (2nd Stacker can get power from 1st Stacker)	Dimension	2,095 mm (including joint, conveyer and output tray: 162 mm) x 790 mm x 1,040 mm
Optionals	DFD interface kits for 860 mm and 1002 mm	Weight	Approx 152 kg
Dimension	899 x 745 x 1040 mm	TWO-KNIFE BOOKLET TRIMMER	
Weight	Approx 210 kg	Basic Information	Top and Bottom Edge trim
PAPER FOLDING UNIT		Trim Width	2 - 15 mm
Basic Information	Z Fold, C Fold, Zigzag Fold, Double Parallel	Trim Thickness	Up to 50 sheets (includes Cover, by half fold)
Acceptable Paper Weight	50 - 105 gsm Double parallel: 50 - 90 gsm	Acceptable Paper Weight	50 - 300 gsm
		Output Tray Capacity	30 booklets
		Power Source	230V x 10A
		Dimension	536 x 770 x 1040 mm
		Weight	Approx 145 kg

TECHNICAL
SPECIFICATIONS

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PUNCH UNIT

Basic information	Requires either the Booklet Finisher W1 or Staple Finisher W1
Punch Hole type	BT1: 2 holes and 4 holes (FRN) selectable, BU1: 4 holes (Swe)
Acceptable Punch Paper Weight	52 - 300 gsm
Acceptable Punch Paper Size	2 holes: A3, A4, A4R, Free size (182 x 182 to 297 x 432.0 mm) 4 holes: A3, A4, Free size (257 x 182 mm to 297 x 432 mm)
Weight:	Approx 7.7 kg

MULTIFUNCTIONAL PRO PUNCHER

Basic information	External In-line Punch Unit
Acceptable Paper Weight	75 - 300 gsm (Plain paper), 118 - 300 gsm (Coated paper), 157 - 300 gsm (Crease/ Plain & Coated paper)
Acceptable Paper Size	Punch: A4, A4R, SRA4, A3, SRA3 Crease: A4R, A3, SRA3, 13 x 19
Punch tools	Plastic Comb 21-Hole, Twin Loop 23-Hole (Round/ Rectangle), Twin Loop 34-Hole (Round/Square), Color Coil 47-Hole, Velo Bind 12-Hole, Loose Leaf 4-Hole Punch, Loose Leaf 2-Hole Punch, Loose Leaf 4-Hole (Swedish), Loose Leaf 3-Hole, Crease
Power source	230V x 2A
Dimensions	445 mm x 795 mm x 1040 mm
Weight	Approx 102 kg

DFD ADAPTER

Basic information	Enables DFD connectivity directly beside the engine
Acceptable Paper Weight	Same as engine
Acceptable Paper Size	Same as engine
Optionals	DFD Interface kit for 1002 mm. Standard DFD height is 860 mm.
Power source	230 V x 10 A
Dimensions	300 mm x 745 mm x 1040 mm
Weight	Approx 60 kg

FINISHER BRIDGE

Basic information	Offers connectivity of Finisher-W1 and Booklet Finisher-W1 with 3rd party DFD finishing equipment. Always in combination with DFD Adapter-A1
Acceptable Paper Weight	Same as engine
Acceptable Paper Size	Same as engine
Power source	Power and control from DFD Adapter-A1
Dimensions	600 mm x 745 mm x 150 mm
Weight	Approx 30 kg

OUTPUT TRAY

Basic information	Basic tray face-up / face-down stacking
Paper Size	All available size on marking engine
Paper Weight	50 to 300 gsm
Output Capacity	250 sheets at simplex printing/100 sheets at duplex printing
Dimensions	360 mm x 547 mm x 256 mm
Weight	Approx. 4.2 kg

3RD PARTY FINISHER

Basic information	The varioPRINT 140 series can be configured also with 3rd party finishing. Please talk with your Canon representative for more information.
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