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

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	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 compliancies	Section 508, EPEAT SILVER, De-inkability certificate
Operating system	Windows 10
Processor (CPU)	Core i3-9100TE
Clock speed	2.2 GHz
Memory	2x 8 GB DDR4
Hard disk	500 GB SSD
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; 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+, HTTPs, Firewall, PIN for Doc Box, User authentication to SDS, IPv6, software protection license (integrity checker), user authentication per user role: key operator, system administrator and service representative
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
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

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) *Specifications are validated for Canon recommended media
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) *Specifications are validated for Canon recommended media
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
Grey levels	Adobe PostScript 3: 200 PCL: 125
Features	RIP at rated engine speed, Pre-RIP, Print-while-rip-while-spool (Streaming), Mixplex, Hotfolder & multiple queue support

COPYING

Copy resolution	600 x 1200 dpi
Exposure control	Auto / Manual (9-step scale), Text, Text / Photo, Photo
Zoom	25 - 400%; automatic
Screen frequency	200 lpi
Grey levels	200
Features	Automatic quality optimization for text / photo

SCANNING

Resolution	75, 100, 150, 200, 300 (default), 600 dpi
Colour scanning	Optional License
Destination	Scan-to-Email, Scan-to-DocBox, Scan-to-FTP, Scan-to-USB, scan to PDF (DocBox), scan to SMB
File format	PDF (single-page and multiple-page), TIFF, JPEG / sRBG (colour scanning)
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

DUPLEX COLOUR IMAGE READER

Capacity	200 sheets (80 gsm)
Maximum resolution	600 x 600 dpi
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
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
Paper weight	1-sided: 38 - 220 gsm 2-sided: 38 - 220 gsm

DOCUMENT INSERTION UNIT

Number of Trays	2-bin
Tray Capacity	200 sheet / bin
Paper Weight	52 - 300 gsm
Paper Size	A3, A4, A4R, SRA3, 13"x19", Free size (182 × 182 mm to 330.2 × 487.7 mm)
Power Source / Consumption	230V 10A
Dimensions	336 mm (746 mm including Tray) × 793 mm × 1407 mm
Weight	Approx 61 kg

HIGH CAPACITY STACKER

Stack Tray Capacity	Stack tray: 6,000 sheets (80 gsm) in two stacks of 3,000 sheets each
Top Tray Capacity	Top Tray: 200 sheets
Acceptable Paper Weight	50 - 300 gsm
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)
Optionals	DFD interface kits for 860 mm and 1002 mm
Dimension	899 x 745 x 1040 mm
Weight	Approx 210 kg

PAPER FOLDING UNIT

Basic Information	Z Fold, C Fold, Zigzag Fold, Double Parallel
Acceptable Paper Weight	50 - 105 gsm Double parallel: 50 - 90 gsm
Acceptable Paper Size	A4R Z-fold: A3, B4
Power Source	From Finisher-W1 or Booklet Finisher-W1

Dimension	336 x 793 x 1190 mm
Weight	Approx 71 kg

STAPLE FINISHER

Basic Information	Staple and stacking finisher
Number of Trays	2
Upper Tray (A) Capacity	A4/A4R/A5R 1,000 sheets, A3 1,000 sheets, SRA3/13"x19" 1,000 sheets
Lower Tray (B) Capacity	A4 4,000 sheets, A4R 2,000 sheets, A3 1,500 sheets, SRA3 1,000 sheets
Stapled stacking capacity	A4 200 sets or max 3,000 sheet
Stapling Position	Corner, Double
Acceptable Paper Weight	50 - 300 gsm
Staple Capacity:	A4: 100 sheets, A3/A4R: 50 sheets
Power Source	230V x 10A
Dimension	800 x 792 x 1239 mm
Weight	130 kg

BOOKLET FINISHER

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
Number of Trays	2
Upper Tray (A) Capacity	1,000 sheets A4/A4R/A5R, 1,000 sheets A3, 1,000 sheets SRA3/13"x19"
Lower Tray (B) Capacity	A4 4,000 sheets, A4R 2,000 sheets, A3 1,500 sheets, SRA3 1,000 sheets
Stapled stacking capacity	A4 200 sets or max 3,000 sheet
Stapling Position	Corner, Double
Acceptable Paper Weight	50 - 300 gsm
Booklet stitch paper size	A3, A4R,SRA3, 13"x19", Free size 210 x 279.4 mm to 330.2 x 487.7 mm
V-Folding	Up to 5 sheets
Power Source	230V x 10A
Dimension	800 x 792 x 1239 mm
Weight	Approx 180 kg

BOOKLET TRIMMER

One Edge Trimming	Fore-edge
Trim Width	2 - 28 mm
Trim Thickness	Up to 50 sheets (includes Cover, by half fold)
Acceptable Paper Weight	50 - 300 gsm
Output Tray Capacity	30 booklets
Power Source	Booklet finisher W1
Dimension	2,095 mm (including joint, conveyer and output tray: 162 mm) x 790 mm x 1,040 mm
Weight	Approx 152 kg

TWO-KNIFE BOOKLET TRIMMER

Basic Information	Top and Bottom Edge trim
Trim Width	2 - 15 mm
Trim Thickness	Up to 50 sheets (includes Cover, by half fold)
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

Canon

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 × 795 mm × 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 × 547 mm × 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.