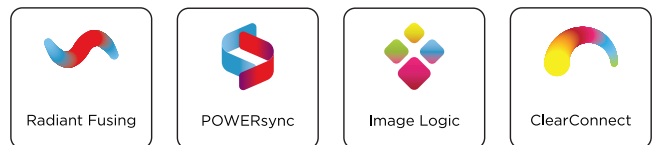# EASY, SECURE & INTELLIGENT

Large Format Technical Document Management
4/6 D-size per minute, 1 – 2 rolls

PlotWave 3x00 Spec Sheet

Radiant Fusing POWERsync Image Logic ClearConnect

- Printer only or multifunction (print/copy/scan system with integrated scanner)
- Integrated Top Delivery Tray (neatly collates and stacks up to 100 E-size plots)
- ClearConnect walk-up interface (intuitive touchscreen control)
- Cloud-integrated workflow option (scan to/print from cloud)
- Proven core technologies from Canon help to deliver superior productivity
- Single or optional dual roll media capability (up to 650 feet per roll)

NEW FEATURES!

- Faster POWERsync Controller hardware (avg. 30 percent faster CPU vs. predecessor)
- Microsoft Windows 10 LTSC IoT Enterprise (controller OS)
- New set of Security Features
- Standardized security features, including AES 256 data encryption, secure boot, and Access Management user authentication enabled
- Optional McAfee Application control (whitelisting)
- ENERGY STAR® 3.0 compliant
- New cabinet colors (Titanium White with Damson Black trim)

PRODUCT RANGE

PlotWave 3000

PlotWave 3500

TECHNICAL SPECIFICATIONS

STANDARD SYSTEM CONFIGURATION	
1-roll (standard) or 2-roll printing system	Productive large format monochrome printer with ClearConnect multitouch user panel.
Stacking system	Integrated Top Delivery Tray. Up to 100 sheets E-size/A0.
Tilt and Swivel ClearConnect multitouch user interface	Consistent look and feel from every angle of your workflow, standard, including Smart Inbox, SmartAccess, and Live Preview.
Roll media switching	Fully automated roll media switch to guide the media to the Top Delivery Tray or back output depending on the user application.
ClearConnect workflow software	Drivers: Driver Select for Microsoft Windows, Driver Express PostScript 3 driver. Publishers: Publisher Mobile for IOS and Android, Publisher Express, Publisher Select 3 for Microsoft Windows.
Starter kit included	1 bottle toner 400 g, 1 bottle developer 1750 g, 1 roll 36 inch 20 lb. bond paper (75 g/m²).
Earthquake provision1	Help secure the printer against moving or tilting during an earthquake. This provision enables the user to secure the printer to a sturdy connection of the building.

OPTIONAL SYSTEM CONFIGURATIONS	
Office space saving scanning system	Scanner Express with Image Logic technology, integrated scanner positioned on top of the printer to save office space.
Stacking systems	Stacker Select, 400-sheet capacity
Roll media capacity upgrade	2-roll option doubles media capacity from 1,950 to 3,900 sq. ft. (182 to 365 m2).
Removable hard disk	For secure environments, hard disk can easily be removed from the printer system to help secure data integrity.

TECHNOLOGY	
Imaging technology	Electrophotography (LED) with Organic photoconductor (OPC). Radiant Fusing Technology with instant warm-up. Clean toner refill system. Virtually no ozone emission.
Fusing technology	Instant warm-up, contactless fusing, low power consumption (heating on-demand).
Toner/type	Black toner: 800 grams per toner kit (400 grams/ bottle).

PRODUCTIVITY		
Speed (print and copy)	PlotWave 3000: 4-D/A1-sizes[2] per minute 2-E/A0 sizes[3] per minute	PlotWave 3500: 6-D/A1-sizes[2] per minute 3-E/A0 sizes[3] per minute
First print out time [4]	<40 seconds	
First copy out time [5]	<40 seconds	

QUALITY	
Print resolution	600 x 1200 dpi
Minimum line width (ISO/IEC 13660:2001E)	0.00236" (0.06 mm)
1:1 Line accuracy	< 0.3%

SIZE AND WEIGHT	
Size main engine (WxDxH)	61.6" x 31.7" x 59.2" (1563 mm x 803 mm x 1503 mm) (Height of 59.2" includes Top Delivery Tray)
Shipping dimensions (WxDxH)	58" x 34" x 50" (1470 x 850 x 1280 mm)
Weight main engine	485 lb. (220 kg)
Shipping weight main engine	597 lb. (271 kg)

1 Excluding cable/chain and mounting material.
2 D-size (34" x 22") / A1 size (841 x 594 mm).
3 E-size (36" x 48") / A0 Size (841 x 1189 mm).
4 One A1 landscape print made from the smart inbox, on 64 g media, back output, lines, and text mode.
5 One copy made with A1 original in landscape on 64 g media, back output, background compensation off, custom width 841 mm, custom length 594 mm.
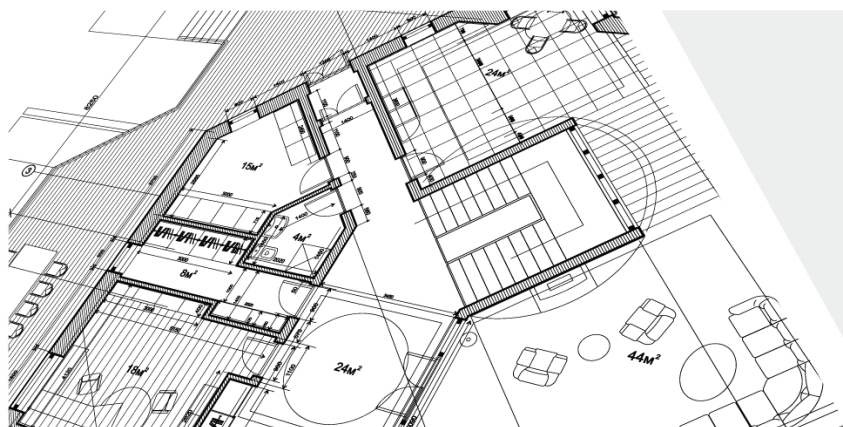
TECHNICAL SPECIFICATIONS

MEDIA HANDLING

Media capacity	1 or 2 rolls; manual feed of cutsheet media
Paper cutting	Cutter included in the drawer for fast and easy roll media switching.
Maximum media capacity	1 roll (650' L x 36" W): 1,950 sq. ft. If 2 rolls: 3,900 sq. ft.
Media sizes roll	**ARCH:** B, C, D, E, E1, 30", 21", 15" **ANSI:** B, C, D, E **ISO:** A3, A2, A1, A0, B1, B2, B1_700, B2_700
Media sizes Cutsheet tray	Short-edge feed (portrait): A3, B4, A, B, A+, B+, Carto B4, 230 x 310 mm, 310 x 440 mm Long-edge feed (landscape): A3, A2, B4, B3, B, C, B+, C+, Carto B4, Carto B3, 15" x 21", 310 x 440 mm, 440 x 594 mm
Media weight	Bond: 16–28 lb.(60–110g/m2). Film: 3.5 mil.
Roll length	Up to 650' (200 m)
Roll width	11"–36" (11",12",15",17",18",21",22",24",30",34",36") (279-914mm)
Minimum printed length	16.5" (420 mm)
Maximum printed length	650' (200 m)
Roll media type	Paper: Engineering Bond, Vellum, Recycled Bond, Tinted Bond Xtreme #27 Bond - Film: Polyester 3.5 mil
Cutsheet media type	Paper: Engineering Bond, Recycled Bond, Tinted Bond Xtreme #27 Bond
Automatic roll media handling	Automatic width detection Automatic roll media selection for optimized productivity and media saving, based on drawing size, media type, roll width, and finishing. Automatic roll switching when end of roll is reached.

USER INTERFACE

Description	ClearConnect multitouch user panel
Size (WxDxH)	11.8" x 8.7" x 1.6" (300 x 220 x 40 mm), 10.4" (diag.) colour LCD
Resolution	800 x 600 pixels (SVGA)
Technology	Projective capacitive touch
Operation	3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home] Multitouch functions: tap, double tap, pinch, 2-finger pinch, swipe, flick, and spread.
Interface design	Distinctive user interface with intuitive navigation and clearly defined levels of operation.
Features	View optimization: Tilt ClearConnect (-4 to +45 degrees) and swivel (-45 to +180 degrees). Status light (red, orange, green). USB 2.0 interface with indication light. Switch instantly between 2 languages, select from 21 languages.

PROCESSOR

Description	High performance POWERsync controller with Windows 10 IoT Enterprise LTSC, 64-bit
Processor	Dual Core, Dual Thread Celeron® G4900 at 3.10GHz
Memory	4 GB DDR4
Video	Intel HD Graphics, 1GHz
Hard disk	500 GB, 7200 rpm (standard)
TPM	TPM2.0
Client operating system support	Windows 7 / Windows 7 64 bits / Windows 8.1 / Windows 8.1 64 bits / Windows 10 / Windows 10 64 bits / Windows Server 2008 R2 64 bits / Windows Server 2012 64 bits / Windows Server 2012 R2 64 bits/Mac OS 10.10 / Mac OS 10.11 / Mac OS 10.12 (PostScript 3 driver support only for Mac OS)
Interface	2x Ethernet 100 Mbits/s, 1Gbit/s TCP/IP: DHCP, IPv4, IPv6, HTTPS Discovery: APIPA, WS-Discovery, SNMPv3
Page description language	TIFF, JPEG, HPGL, HPGL2, DWF, C4, Calcomp 906/907/951, CALS, NIRS, NIFF, PS/PDF (optional)
Printing protocol	LPR, FTP, WebDav, WSD print FTP Pull from SMB, FTP Pull from cloud (retrieve from WebDAV based clouds) HTTP/HTTPS (used by Publisher Express) Print from home folder via optional access management
Backchannel protocol	SNMPv3, Wave interface, WS-Discovery

TECHNICAL SPECIFICATIONS

SECURITY	
Security Features	E-shredding, IPSec, IP filtering/Access Control Lists, HTTPS, SNMPv3, audit logging, AES256 Disk Encryption, 802.1x Authentication, network protocol enable/disable, LDAP integration, Active Directory Integration, User authentication on local ClearConnect user panel and via Express WebTools (LDAP/Active Directory credentials, smart card) for scan/copy/print. Configure HTTPS Certificates. Allow disabling TLS1.0 and 1.1 protocols (no response to network scan) and enable TLS 1.2 with stronger cipher. Embedded FIPS 140-2 Certified Trusted Platform Module (TPM) and BitLocker 256 AES hard disk encryption, hard disk wipe, Configurable CA certificate, Disable Network Ports and Protocols, Security Event Logging, Single Sign-on. Options: Removable hard disk, McAfee antivirus, McAfee Application control (whitelisting).
Access management	Help provide secure access to device by users keying in password on the ClearConnect multitouch operator panel or get access with a Smart Card by connecting a card reader (including contactless). Authorization is managed by using Active Directory.
Cloud support	Unlimited user and/or Administrator authenticated cloud support via WebDAV and/or third-party provider: e.g. Microsoft SharePoint, Dropbox, Box.com, box.net, Google Drive, Microsoft OneDrive, Amazon Cloud Drive, Cloudsafe, MyDisk. The cloud user authentication can either be preconfigured by the administrator or done by the user at the time of accessing the specific cloud.
Transformations	Scaling (scale-to-fit page, reduce when image too large to avoid clipping or to custom factor, scale page size to standard size), Rotation, Shift (automatic or user defined), Adding/removing trailing/leading edge, Mirror, Black intensity in poster mode, Print optimization (standard, lines/text, poster). Colour Highlight and Dark Original. Area to erase (area of interest).

SCANNER EXPRESS (OPTIONAL)	
Description	Integrated Contact Image Sensor (CIS) Colour scanner with Image Logic technology
Scan resolution	600 x 600 dpi
Scan speed	Up to 49.8 ft./min. (15.2 m/min.) Black & white scanning Up to 33.1 ft./min. (10.1 m/min.) Copying Up to 16.4 ft./min. (5.0 m/min.) Colour scanning
Scan formats	TIFF, PDF, PDF/A, JPEG, CALS, multipage PDF, multipage PDF/A and multipage TIFF
Scan templates	Extensive number of scan templates to standardize common scan settings and destinations
Scan protocol	FTP, SMB, scan to cloud (push to WebDAV based clouds)
Scan destination	Local USB flash drive, FTP, SMB, Smart Inbox on Controller, Optional Local Home folder (LDAP), mobile device via Mobile WebTools, WebDAV Clouds.
Scan naming	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel
Original width	8.2"–36" (208–914 mm), automatic width detection
Original length	8.2"–52.5" (208 mm–16 m), auto length detection
Original thickness	Maximum 0.03" (0.8 mm) non-rigid documents
Zoom (copy)	1:1, Scale to media size, Scale to standard format. Custom: 10–1,000%
Original type presets	Lines & Text standard, Folded Lines & Text, Lines & Text draft, Dark Original, Colored Original, Photo, Blueprint, Map, Artwork
Scanner size (WxDx H)	43" x 12" x 5.5" (1,097 x 308 x 140 mm)
Scanner weight	55 lb. (25 kg)

ENVIRONMENTAL	
Acoustic sound power	Standby and sleep: less than 26 dB. Print mode: less than 52 dB
Ozone concentration	<0.001 mg/m3, <0.000473 PPM (0.05% of permitted limit value)
Heat emission	Ready: 66 W; Active: 1.5 kW
Power requirements	100–240 V; 50/60Hz
Power consumption	Sleep mode: <2 W Ready mode: 66 W Active mode: 1.5 kW
Safety/EMC marks and environmental labels	CE, TUV GS, CETECOM, Energy Star 3.0, FEMP, Rohs, CCC, VCCI TüV GS, c-UL-US, CB, RCM, EPEAT, EAC, FCC Class A, VCCI Class A
Recyclables	Printer: made of steel or highly recyclable plastics: up to 95% of the engine can either be upcycled or recycled. Remaining 5% are nontoxic waste. Prints: very good deinkability when recycled. Toner: bottles made of highly recyclable HDPE (High Density Polyethylene)

CLEARCONNECT WORKFLOW SOFTWARE	
Job submission	The ClearConnect software suite consists of a variety of applications with the same user interface. Create, retrieve, and/or send jobs from drivers (Driver select for Microsoft Windows, Driver Express for Adobe PostScript 3 for Microsoft Windows or Apple OS), external locations (SMB, FTP, LPR, WebDAV), Mobile devices via Express WebTools and Publisher Mobile, USB flash drive, Cloud services, and optional Home folder (LDAP). 1-click printing from USB, 1-click printing from previous sent jobs via Print SmartAccess on ClearConnect user panel. The Smart Inbox on the ClearConnect user panel enables the job preview: swipe between your jobs for print selection and preview. Pan to view the image in detail (zoom). With the template-oriented Publisher Select 3 submitting multiple files in batches is supported. Print multiple times and sort by page or set. Media saving automatically rotates print files to optimize media usage.
Smart inbox	Personalized Smart Inbox: History, Manage Queue, Manage History, Express WebTools, Secured Controller Access
Queue management	Spool memory provides a queuing system for print and copy jobs. This enables multiple users to send print and copy jobs at the same time. Customize priority settings for copy and print jobs in the queue. The Job Queue overview gives access to job names, owners, and status including required media. Jobs can be paused, deleted, and placed on top of the queue.
Print management and accounting	View the counter history at preferred time periods, per job or total overview in Express WebTools. View, create, edit, and delete stamp templates. Optional uniFLOW support, log in with your personal uniFLOW Queue on the ClearConnect User interface. Supports manual authentication, card readers, and contactless card readers.
Device management	Express WebTools provide administrators the tools to manage the device remotely via the web: e.g. check printer status; define settings for print, copy, and scan; define access; security; accounting; remote shutdown; software update and restart; power on/off timer; system behavior; queue management; license management; view, create, edit, and delete stamp templates; etc.
Scan to colour inkjet	Scan directly to iPF 600/700/800/TX- 2000/3000/4000/5200/5300/5400 series via Publisher Select 3 (hotfolder)

STACKER SELECT	
Description	Integrated productive stacker with high capacity and tray full sensor
Capacity	400 pages

PLOTWAVE 3000/3500

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