

# BUILT FOR EXCELLENCE

Create a wealth of Large  
Format applications  
with ease



- Based on over 10 years of proven technology, the ColorWave 3000 series inspires confidence with its convenient, hassle-free operation, excellent print quality and outstanding reliability, when each detail counts.
- The ColorWave 3000 series is a flexible printing system that is ideal for both technical document and graphic arts print providers.
- The ColorWave 3000 series are full of smart, time-saving innovations that reduce misprints and costs.
- With automated roll switching, excellent workflow software and a full range of excellently tuned peripherals, the ColorWave 3000 series is capable of producing a broad application range with minimal operator intervention.
- Sophisticated security features safeguard your data, not only today, but also in the future.
- The ColorWave 3000 series comes in two models: the ColorWave 3600 for worry free walk up printing, and the ColorWave 3800 for users that require higher media capacity and even more media versatility.

**Canon**

## ColorWave 3600

The ColorWave 3000 series offers hassle-free operation and high print quality in a convenient, cost-effective solution. The ColorWave 3000 series printers are built for excellence: equipped with smart, time-saving innovations and easy-to-use functionalities that reduce misprints.



### PRODUCT RANGE



ColorWave 3600



ColorWave 3800



SMARTshield



CrystalPoint



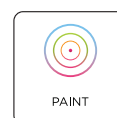
POWERSync



Image Logic



ClearConnect



PAINT

# TECHNICAL SPECIFICATIONS

# ColorWave 3600

## STANDARD SYSTEM CONFIGURATION

### 2 Roll printing system

Productive Large Format Colour printer with ClearConnect multi-touch user panel.

### Applications

Colour and B&W Technical drawings, Maps, unfolded and folded, POP/POS posters, Graphic Arts applications like posters, wallpapers, banners, wrapping paper.

### Stacking systems (standard)

Integrated Top Delivery Tray, 90 sheets capacity.

### Rotatable ClearConnect multi-touch user interface

Consistent look and feel from every angle of your workflow, standard including Smart Inbox, SmartAccess, printer status 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 Express for Adobe PostScript 3, Driver Select for Microsoft Windows  
Publishers: Publisher Mobile for IOS and Android, Publisher Express for web browsers, Publisher Select 3 for Microsoft Windows.

### Starter kit (separate order)

4x 500g toner cartridges (Cyan, Magenta, Yellow, Black). 1 roll of 90 grams paper is included in the printer.

### Earthquake provision<sup>1</sup>

Secure the printer against moving or tilting during an earthquake. This provision enables the user to secure the printer to a sturdy element of the building.

## OPTIONAL SYSTEM CONFIGURATIONS

### Office space saving scanning system

Scanner Express with Image Logic technology, integrated CIS scanner positioned on top of the printer to save office space.

### Roll media capacity upgrade

Additional 2nd drawer to increase media capacity from 2 to 4 media rolls (400 to 800 ml, 425 to 850 m2).

### Removable hard disk (optional)

For secure environments, hard disk can easily be removed from the printer system to secure data integrity

## TECHNOLOGY

### Imaging technology

CrystalPoint Technology. The printer contains 8 Imaging Devices, 2 for each colour (CMYK).  
Clean toner refill system, no toner dust, no residue.  
No ozone emission.

### Automated functions

- PAINT technology (Piezo Acoustic Integrated Nozzle Technology)
- Applies sophisticated diagnostics, maintenance and error corrections to overcome common nozzle issues that occur with conventional inkjet printers even while printing.
- Automated print language recognition
- Automated print mode selection (Print Assistant)
- Automatically suggests the right print mode for your job

### Toner / type

ColorWave 3600 TonerPearls; Cyan, Magenta, Yellow and Black, 500g/cartridge.

## PRODUCTIVITY

### Speed (print and copy)

4 A1/D-sizes<sup>2</sup> per minute  
2 A0/E-sizes<sup>3</sup> per minute

B&W CAD: 225 A1/D-sizes per hour (113 m2/hour), 129 A0/m2/E-sizes per hour (high speed mode)  
Colour CAD: 212 A1/D-sizes per hour (106 m2/hour), 120 A0/m2/E-sizes per hour (high speed mode)

### Print modes

4 print modes, the Print Assistant automatically determines the best print mode based on the content, without need for user intervention. Manual selection is possible.

## QUALITY

### Print Resolution

600 x 600 dpi

### Resolution Droplet aligning accuracy

1200 dpi (corresponds to 20 microns)

### Minimum line width (ISO/IEC 13660:2001E)

0.08 mm: 0.00315 in

### 1:1 Line accuracy

< 0.3%

## SIZE AND WEIGHT

### Size main engine (WxDxH)

2100 x 875 x 1605 mm

### Shipping dimensions

2271 x 1196 x 1547 mm

### Weight main engine

252 kg (printer and 1 drawer)

### Shipping weight main engine

338 kg (printer and 1 drawer)

## MEDIA HANDLING

### Media capacity

2 or 4 rolls

### Media cutting

Automatic

### Maximum media capacity

4 roll: 800 m1, 850 m2; 6 roll: 1200 m1, 1280 m2;

### Media weight

60 - 160 g/m2; 16 - 43 lb; film: 2.5 - 8.0 mil

### Media thickness

200 µm; 8 mill; film: 65 - 200 µm / 2,5-8 mil

### Roll length

Up to 200m

### Roll width

297 mm - 1067 mm, 11 in - 42 in, including standard sizes DIN, ANSI, ARCHI

### Roll diameter

Up to 180 mm; 7.1 in

### Roll core diameter

3 in and 2 in cores (media on 2 in core to the external output not to the Top Delivery Tray)  
Media loose on core

### Roll weight

Up to 20 kg

### Minimum printed length

210 mm; 8.5 in

### Maximum printed length

200 m; 656 ft

### Roll media type

Uncoated papers, uncoated tyvek, self-adhesive papers, self-adhesive coated vinyls, blue back papers, polypropylene films, polyester films, light block films, soft banner, instant dry photo paper, backlit film

### Custom media

Custom media support, including automatic calibration, no tooling and training required

### Automatic roll media handling

- Automatic width detection
- Automatic roll media selection for optimised productivity and media saving, based on drawing size, media type, roll width and finishing
- Automatic rotation and alignment for folding
- Automatic legend detection
- Automatic roll switching when end of roll is reached

## USER INTERFACE

### Description

ClearConnect multi-touch user panel

### Size (WxDxH)

300 x 220 x 40 mm; 11.8 x 8.7 x 1.6 in (10.4 in at 4x3 ratio)

### Resolution

800 x 600 pixels (SVGA)

### Number of colours

16.2 Million

### Technology

Projective capacitive touch

### Operation

3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home]  
Multi-touch functions: tab, 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 optimisation: Tilt (-4 to +45 degrees) and turn (-45 to +180 degrees) Status light (red, orange, green) USB 2.0 interface with indication light. Switch instantly between 2 languages, select from 20 languages; Czech, Danish, German, English-UK, English-US, Spanish, Finnish, French, Hungarian, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Portuguese, Russian, Swedish, Chinese simplified, Chinese-traditional

## CONTROLLER

### Description

High performance POWERsync controller with Windows 10 IoT LTSC, 64 bits

### Processor

4 Core, 4 Thread Core<sup>®</sup> i3-8100 @3.6GHz

### Memory

8 GB DDR4

### Video

Intel HD Graphics, 1GHz

### Hard Disk

2x 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 (Driver Select support only for Mac OS)

### Interface

2x Ethernet 100 Mbps/s, 1 Gbit/s  
TCP/IP: DHCP, IPv4, IPv6, HTTPS  
Discovery: APIPA, WS-Discovery, SNMP v3

### 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

### Back Channel protocol

SNMP v3, Canon Wave interface, WS-Discovery.

### Transformations

Scaling; 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 optimisation (standard, lines/text, poster). Colour Highlight and Dark Original. Area to erase (area of interest).

### Colour management

- RGB input profile (sRGB, AdobeRGB)
- CMYK input profile (Euroscale coated, Euroscale uncoated, US Web coated (SWOP), US Web uncoated, ISOcoated\_v2\_eci\_300.icc, ISOcoated\_v2\_eci.icc (FOGRA39), PSO Uncoated ISO12647-ECI (FOGRA47), GRACoL2006\_Coated1v2.icc, SWOP2006\_Coated3v2.icc, SWOP2006\_Coated5v2.icc, UncoatedFogra29.icm
- Grey profile (standard included in the PDF/APPE option)
- Rendering intent (perceptual, saturation, absolute colorimetric, relative colorimetric)

## SECURITY

### SMARTshield

E-shredding, IPsec, IP filtering/Access Control Lists, HTTPS, SNMP v3, 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 WebTools Express (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 Embedded control (whitelisting).

<b>Cloud support</b>	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®, PlanWell Collaborate. The cloud user authentication can either be preconfigured by the administrator or done by the user at the time of accessing the specific cloud.	<b>Print management &amp; accounting</b>	View the counter history at preferred time periods, per job or total overview in WebTools Express. View, create, edit and delete stamp templates. Optional uniFLOW support, login your personal uniFLOW Queue on the ClearConnect User interface. Supports manual authentication, card readers, and contactless card readers.
<b>Access management</b>	Provide secure access to device by users by keying in password on the ClearConnect multi-touch operator panel or get access with a Smart Card by connecting a card reader (including contactless). Authorisation is managed by using Active Directory	<b>Scan to colour inkjet</b>	Scan directly to imagePROGRAF 600/700/800/ TX-2000/3000/4000/5200/5300/5400 series via Publisher Select 3 (hotfolder)
<b>SCANNER EXPRESS (optional)</b>		<b>Mobile and Cloud</b>	Print from and scan to the cloud application of your choice. With the help of mobile applications such as Publisher Mobile the printer can be easily accessed and used from any location.
<b>Description</b>	Integrated Contact Image Sensor (CIS) Colour scanner with Image Logic technology	<b>Device management</b>	WebTools Express provide administrators the tools to manage the device remotely via the web: e.g. check printer status, define default settings for print, copy and scan, define access, security, accounting, remote shutdown, software update and restart, power on/off timer, system behaviour, queue management, license management, view, create, edit and delete stamp templates etc.
<b>Scan resolution</b>	600 x 600 dpi (min. 100 dpi)	<b>PERIPHERALS</b>	
<b>Scan speed</b>	15.2 m/min Black & white scanning 10.1 m/min Copying 5.0 m/min Colour scanning	<b>SCANNER PROFESSIONAL (optional)</b>	
<b>Scan formats</b>	TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A and multi-page TIFF	<b>Description</b>	Charge-coupled device (CCD) colour 44 in scanner with optional upgrade to 48 in
<b>Scan templates</b>	Extensive number of scan templates to standardise common scan settings and destinations	<b>Scan resolution</b>	1200 x 1200 dpi (9600 x 9600 dpi interpolated)
<b>Scan protocol</b>	FTP, SMB, scan to cloud (push to WebDAV based clouds)	<b>Scan speed</b>	23 m/min (200 dpi) 6 m/min (600 dpi)
<b>Scan destination</b>	Local USB flash drive, FTP, SMB, Smart Inbox on Controller, Optional Local Home folder (LDAP), mobile device via Publisher Express, WebDAV Clouds, PlanWell Collaborate.	<b>Scan formats</b>	Multipage PDF (PDF/A) and TIFF, JPEG, JPEG 2000, PNM, PNG, BMP, TIFF (Raw, G3, G4, LZW, JPEG) AutoCAD DWF, JBIG, DjVu, DICOM, PCX, Postscript, EPS, Raw data
<b>Scan naming</b>	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel.	<b>Scan templates</b>	unlimited
<b>Original width</b>	208 mm - 965 mm; 8.2 in - 38 in, automatic width detection	<b>Original width</b>	1270 mm; 50 in
<b>Original length</b>	208 mm - 16000 mm; 8.2 in- 630 in, automatic length detection	<b>Original length</b>	Endless
<b>Original thickness</b>	Maximum 0.8 mm; 0.03 in (non-rigid documents)	<b>Colour depth/ colour output</b>	48 bit colour, 16 bit greyscale / 24 bit colour, 8 bit greyscale, bitonal, enhanced halftone
<b>Scan width</b>	932 mm	<b>Scan width</b>	44 model: 1118 mm; 44 in / 48 model: max. 1220 mm; 48 in
<b>Zoom (copy)</b>	1:1, Scale to media size, Scale to standard format, Custom: 10 - 1000%	<b>Connections</b>	1 USB Port 3.0 Interface 1 Gbit Fast Ethernet with TCP/IP based Interface
<b>Original types presets</b>	Blueprint, Coloured original, Dark original, Folded lines/text, Lines/text standard, Lines/text draft, Photo, Map, Artwork	<b>Embedded controller</b>	64 bit Linux, Intel i3, quad core processor, 16 Gigabyte RAM, 320GB HDD for very long scans
<b>Size scanner (WxDxH)</b>	1097 x 308 x 140 mm; 43 x 12 x 5.5 in.	<b>Size scanner (WxDxH)</b>	228 x 1425 x 507 mm; 9 x 56.1 x 20 in (H x W x D)
<b>Weight scanner</b>	25 kg; 55 lbs	<b>Weight scanner</b>	53 kg / 117 lbs
<b>ENVIRONMENTAL</b>		<b>FOLDER EXPRESS COMPACT FOLDER (optional)</b>	
<b>Sound power level</b>	Standby and sleep: < 4.7 B(A) Print mode: < 6.9 B(A)	<b>Description</b>	Integrated automatic fullfold folder saving office space.
<b>Sound pressure level</b>	Standby and sleep: < 36 dB Print mode: < 57 dB	<b>Folding speed</b>	Folding speed 1 - 11 m/min ; 0.7 - 7.2 in/sec
<b>Ozone concentration</b>	Zero	<b>Dimensions folder</b>	1748 x 852 x 1118 mm; 70 x 63 x 44 in
<b>Heat emission</b>	Ready: 214 W; Active: 395 W	<b>Delivery capacity</b>	80 A0/E size folded packages (80 gr/m2)
<b>Operating temperature</b>	15 - 35 °C (recommended: 20 - 27 °C); 59 - 95 °F (recommended: 68 - 81 °F)	<b>FOLDER PROFESSIONAL PRODUCTIVE FOLDER (optional)</b>	
<b>Operating humidity</b>	20 - 80% RH (recommended: 30 - 60% RH)	<b>Description</b>	Integrated productive fullfold folder with automated, manual folding and unfold output.
<b>Power requirements</b>	100 - 240 V; 50/60Hz	<b>Folding speed</b>	2.5 - 10 m/min ; 1.6 - 6.6 in/sec (29 m/min ; 11.8 in/sec with optional High Speed License)
<b>Power consumption</b>	Sleep mode: <2.5 W ready mode: 199 W Active mode: 380 W	<b>Dimensions Folder Professional 6011 (WxDxH)</b>	1837 x 1634 x 1227 mm (6011) 2157 x 1634 x 1227 mm (6013)
<b>Safety/ EMC marks &amp; environmental labels</b>	CE, TÜV GS, CETECOM, c-UL-US, CB, RCM, ENERGY STAR, FEMP, EPEAT, CCC, EAC, FCC Class A, VCCI Class A, Greenguard Gold	<b>Delivery capacity (standard delivery belt)</b>	150 A0/E size folded packages (80 g/m2)
<b>Recyclables</b>	Printer: made of steel and highly recyclable plastics, min 86% of the engine can either be upcycled or recycled. Toner: cartridge packaging reused as maintenance cassette and made of recyclable plastic. Prints: very good deinkability when recycled.	<b>Reinforcement (tab unit)</b>	Folder Professional 6013 only
<b>CLEARCONNECT WORKFLOW SOFTWARE</b>		<b>STACKER SELECT (optional)</b>	
<b>Job submission</b>	The ClearConnect software suite consists of a variety of applications that all have 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 WebTools Express and Publisher Mobile, USB flash drive, Cloud services, ONYX® Thrive, and optional Home folder(LDAP). Optional PlanWell Collaborate. 1-click printing from USB, 1-click printing from last send 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 are supported. Print multiple times, and sort by page or set. Media saving automatically rotates print files to optimise media usage. <sup>1</sup>	<b>Description</b>	Integrated productive stacker with high capacity and tray full sensor
<b>Smart inbox</b>	Personalised Smart Inbox with history, Manage queue, Manage history, WebTools Express, Secured controller access	<b>Capacity</b>	up to 400 pages
<b>Queue management</b>	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. Customise 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.	<b>Media width</b>	216 mm (8.5 in) - 1067 mm (42 in)
		<b>Media length</b>	200 mm (7.9 in) - 1220 mm (48 in)
		<b>Media weight</b>	75 - 160 g/m2

**FOOTNOTES:**

- 1 Excluding cable/chain and mounting material
- 2 D size (34 x 22 in) / A1 size (841 x 594 mm)
- 3 E size (44 x 34 in) / A0 size (1189x 841 mm)
- 4 Adobe and Postscript are either registered trademarks or trademarks of Adobe Systems Inc. in the United States and/or other countries; Microsoft, Windows, SharePoint and OneDrive are registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries; Amazon is a registered trademark or trademark of Amazon Corporation in the United States and/or other countries; Box and the Box logo are including without limitation either trademarks, service marks or registered trademarks of Box.com(UK) Ltd.; ARC is a trademark of Synopsis Inc. I the United States and/or other countries; CloudSafe is a trademark of CloudSafe GmbH &Co. KG; Dropbox is a trademark of Dropbox,Inc.; MyDisk is a trademark of MyDisk Ltd.; iOS is a registered trademark or trademark of Apple inc. in the United States and/or other countries.

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