

# BUILT FOR EXCELLENCE

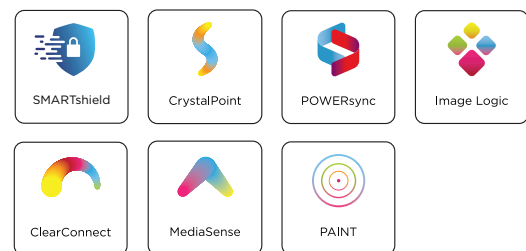
Create a wealth of Wide  
Format applications  
with ease



## ColorWave 3800

The ColorWave 3800 offers excellent quality and hassle-free operation with its time saving innovations and easy-to-use functionalities that reduce misprints. Built for excellence, the ColorWave 3800 is a convenient and cost-effective solution designed for easy printing of both technical documents and graphic arts.

- Based on over 10 years of proven technology, the ColorWave 3800 inspires confidence with its convenient, hassle-free operation, excellent print quality and outstanding reliability, when each detail counts.
- The ColorWave 3800 is a flexible printing system that is ideal for both technical document and graphic arts print providers.
- The ColorWave 3800 is full of smart, timesaving innovations that reduce misprints and costs.
- With automated roll switching, excellent workflow software and a full range of excellently tuned peripherals, the ColorWave 3800 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 3800 is for users that require higher media capacity and even more media versatility.



**Canon**

Delighting You Always

## TECHNICAL SPECIFICATIONS

## ColorWave 3800

### STANDARD SYSTEM CONFIGURATION

#### 4 Roll printing system

Productive wide format colour printer with ClearConnect multi-touch panel

#### Applications

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

#### Stacking systems

Integrated Top Delivery Tray, 90 sheets capacity

#### Multi-touch user interface

ClearConnect multi-touch user interface: Consistent look and feel from every angle of your workflow, includes 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

#### Workflow software

ClearConnect print software suite:  
Drivers: Driver Select for Microsoft Windows, Driver Express for Adobe PostScript 3  
Publishers: Publisher Select 3 for Microsoft Windows, Publisher Express for web browsers, Publisher Mobile for IOS and Android

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

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

### OPTIONAL SYSTEM CONFIGURATION

#### Roll media capacity upgrade

Additional 3rd drawer to increase media capacity from 4 to 6 media rolls

#### Removable hard disk

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

#### Office space saving scanning system

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

#### Standalone system scanner

Scanner Professional, productive Stand alone 48 bit color scanner with 1200x1200 dpi CCD technology

#### Stacking system

Stacker Select, up to 400 sheets capacity. Increase your delivery capacity up to 500 sheets

#### Folding systems

Folder Professional, productive full-fold folder with 150 folded packages delivery capacity. Folder Express, compact full-fold folder with 80 folded packages delivery capacity

### TECHNOLOGY

#### Imaging technology

CrystalPoint Technology. The printer contains 8 Imaging Devices, 2 for each colour (CMYK). Clean toner refill system, no toner dust, 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
- MediaSense technology automatically adjusts the optimum print gap between the media and the Imaging Device for every type of media. This allows you to print on thicker media (up to 800 µm)
- Automated print language recognition
- Automated print mode selection (Print Assistant)

#### Toner

- Automated media saving function
  - Automatically suggests the right print mode for your job
- ColorWave 3800 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 m<sup>2</sup>/hour), 129  
A0/m<sup>2</sup>/E-sizes per hour (high speed mode)  
Colour CAD: 212 A1/D-sizes per hour (106 m<sup>2</sup>/hour), 120  
A0/m<sup>2</sup>/E-sizes per hour (high speed mode)

#### First print out time<sup>4</sup>

<40 seconds

#### First copy out time<sup>5</sup>

<40 seconds

#### Print modes

9 print modes, the Print Assistant automatically determines the best print mode based on the content, without the 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

#### 1:1 Line accuracy

< 0.3%

### SIZE AND WEIGHT

#### Main engine size (WxDxH)

Compact design: 2100 x 875 x 1605 mm

#### Shipping dimensions (WxDxH)

2271 x 1196 x 1547 mm

#### Main engine weight

290 kg (standard configuration)

#### Main engine shipping weight

376 kg (standard configuration)

### SIZE AND WEIGHT

#### Media capacity

4 or 6 rolls

#### Media cutting

Automatic

#### Maximum media capacity

4 roll: 850 m<sup>2</sup>, 6 roll: 1280 m<sup>2</sup>

#### Media size

Supports all sizes from 297 mm - 1067 mm, including standard sizes DIN, ANSI, ARCH

#### Media weight

60 - 200 g/m<sup>2</sup>, film: 2.5 - 8.0 mil

#### Media thickness

800 µm, film: 65 - 200 µm

#### Roll length

Up to 200m

#### Roll width

297 mm - 1067 mm

#### Roll diameter

Up to 180 mm

#### Roll core diameter

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

#### Roll weight

Up to 20 kg

#### Minimum printed length

210 mm

#### Maximum printed length

200 m

<b>Roll media type</b>	Uncoated papers, uncoated tyvek, self-adhesive papers, self-adhesive coated vinyls, blue back papers, textile types, polypropylene films, polyester films, light block films, canvas, soft banner, instant dry photo paper, coated & uncoated non-woven wall paper (fleece), backlit film, wall paper, several natural and synthetic textiles		
<b>Custom media</b>	Custom media support, including automatic calibration, no tooling and training required		
<b>Automatic roll media handling</b>	<ul style="list-style-type: none"> <li>• Automatic width detection</li> <li>• Automatic roll media selection for optimised productivity and media saving, based on drawing size, media type, roll width and finishing</li> <li>• Automatic rotation and alignment for folding</li> <li>• Automatic legend detection</li> <li>• Automatic roll switching when end of roll is reached</li> <li>• MediaSense Technology; automatic media thickness measurement and printing height adjustment</li> </ul>		
<b>USER INTERFACE</b>			
<b>Description</b>	ClearConnect multi-touch user panel		
<b>Size (WxHxD)</b>	300 x 220 x 40 mm		
<b>Resolution</b>	800 x 600 pixels (SVGA)		
<b>Number of colours</b>	16.2 Million		
<b>Technology</b>	Projective capacitive touch		
<b>Operation</b>	3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home] Multi-touch functions: tab, double tap, pinch, 2 finger pinch, swipe, flick and spread		
<b>Interface design</b>	Distinctive user interface with intuitive navigation and clearly defined levels of operation		
<b>Features</b>	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		
<b>CONTROLLER</b>			
<b>Description</b>	High performance POWERsync controller with Windows 10 IoT LTSC, 64 bits		
<b>Processor</b>	6 Core, 6 Thread, Core i5-8500 @4.10Ghz		
<b>Memory</b>	8 GB DDR4		
<b>Video</b>	Intel HD Graphics, 1GHz		
<b>Hard disk</b>	2x 500 GB, 7200 rpm (standard)		
<b>TPM</b>	TPM 2.0		
<b>Client operating system support</b>	<ul style="list-style-type: none"> <li>• Driver Select; Windows 8, Windows 8 64 bits, Windows 8.1, Windows 8.1 64 bits, Windows 10, Windows 10 64 bits, Windows Server 2012 64 bits, Windows Server 2012 R2 64 bits, Windows Server 2016 64 bits, Windows Server 2019 64 bits; Citrix XenApp 7.15, Citrix Virtual Apps 7 1811.1, Microfocus Enterprise Server OES 2018</li> <li>• Driver Express; Windows 8, Windows 8 64 bits, Windows 8.1, Windows 8.1 64 bits, Windows 10, Windows 10 64 bits, Windows Server 2012 64 bits, Windows Server 2012 R2 64 bits, Windows Server 2016 64 bits, Windows Server 2019 64 bits; MacOS 10.13/10.14/10.15</li> </ul>		
		<b>Interface</b>	<ul style="list-style-type: none"> <li>• Publisher Select; Driver Select; Windows 8, Windows 8 64 bits, Windows 8.1, Windows 8.1 64 bits, Windows 10, Windows 10 64 bits</li> <li>• Publisher Mobile; Android &amp; iOS</li> </ul>
		<b>Page description language</b>	2x Ethernet 100 Mbits/s, 1 Gbit/s TCP/IP: DHCP, IPv4, IPv6, HTTPS Discovery: APIPA, WS-Discovery, SNMP WAVE interface
		<b>Page description language (optional)</b>	TIFF, JPEG, HPGL, HPGL2, C4, Calcomp 906/907/951, CALS, NIRS, NIFF
		<b>Printing protocol</b>	ColorWave 3800 PDF/APPE license provides access to Adobe PostScript 3 and PDF1.7. It enables the Adobe CPSI (Configurable PostScript Interpreter) and the APPE (Adobe PDF Print Engine) 4 components
		<b>Back channel protocol</b>	LPR, FTP, WebDav, WSD print
		<b>Transformations</b>	SNMP v3, Wave interface, WS-Discovery.
		<b>Cloud support</b>	Scaling (scale-to-fit page, reduce when image too large to avoid clipping or to custom factor, scale page size to standard size), Shift (automatic or user defined), Adding/removing trailing/leading edge, Mirror, Area to erase (area of interest)
		<b>Colour management</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, The cloud user authentication can either be preconfigured by the administrator or user at the time of accessing the specific cloud <sup>6</sup>
		<b>SECURITY</b>	<ul style="list-style-type: none"> <li>• RGB input profile (sRGB, AdobeRGB)</li> <li>• 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</li> <li>• Grey profile (standard included in the PDF/APPE option</li> <li>• Rendering intent (perceptual, saturation, absolute colorimetric, relative colorimetric)</li> </ul>
		<b>Embedded security</b>	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 Application control (whitelisting)
		<b>Authentication</b>	Provide secure access to device 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

**SCANNER EXPRESS**

(optional)

<b>Description</b>	Integrated Contact Image Sensor (CIS) Colour scanner with Image Logic technology
<b>Scan resolution</b>	600 x 600 dpi
<b>Scan speed</b>	15.2 m/min Black & white scanning 5.0 m/min Colour scanning
<b>Scan formats</b>	TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A and multi-page TIFF
<b>Scan templates</b>	Extensive number of scan templates to standardise common scan settings and destinations
<b>Scan protocol</b>	FTP, SMB, scan to cloud (push to WebDAV based clouds)
<b>Scan destinations</b>	Local USB flash drive, FTP, SMB, Smart Inbox on Controller, Optional Local Home folder (LDAP), mobile device via Publisher Express, WebDAV Clouds
<b>Scan naming</b>	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel
<b>Original width</b>	208 mm - 965 mm, automatic width detection
<b>Original length</b>	208 mm - 16000 mm, automatic length detection
<b>Original thickness</b>	Maximum 0.8 mm (non-rigid documents)
<b>Effective scan width</b>	932 mm
<b>Zoom (copy)</b>	1:1, Scale to media size, Scale to standard format, Custom: 10 - 1000%
<b>Original types presets</b>	Blueprint, Coloured original, Dark original, Folded lines/text, Lines/text standard, Lines/text draft, Photo, Map, Artwork
<b>Scanner size (WxDxH)</b>	1097 x 308 x 140 mm
<b>Scanner weight</b>	25 kg

**ENVIRONMENTAL**

<b>Sound power level</b>	Standby and sleep: 4.7 B(A) Print mode: 6.9 B(A)
<b>Sound pressure level</b>	Standby and sleep: 36 dB Print mode: 57 dB
<b>Ozone concentration</b>	Zero
<b>Heat emission</b>	Ready: 215 W; Active: 325 W
<b>Operating temperature</b>	15 - 35 °C (recommended: 20 - 27 °C);

**Operating humidity** 20 - 80% RH (recommended: 30 - 60% RH)**Power requirements** 100 - 240 V**Power consumption** Sleep mode: <2.5 W  
Ready mode: 215 W  
Active mode: 325 W**Safety/ EMC marks & environmental labels** CE, TÜV GS, CETECOM, c-UL-US, CB, RCM,  
FEMP, EPEAT, CCC, EAC, FCC Class A,  
VCCI Class A, RoHS, Greenguard Gold**Recyclables** 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**CLEARCONNECT  
WORKFLOW  
SOFTWARE****Job submission** ClearConnect print workflow software  
enables you to print in one GO, and  
efficiently create and submit print jobs  
safely from a variety of devices and  
sources. The ClearConnect software suite  
consists of a variety of applications with  
the same user interface. Create, retrieve  
and/or send jobs from:

- The Drivers (Driver Select for Microsoft Windows, Driver Express for Adobe PostScript 3 for Microsoft Windows or Apple OS); Easy to use printer drivers that allow you to effectively and efficiently print from any application
- Publisher Select - Easily create, manage and submit complex sets of documents from your desktop - to one, or two printers at a time
- Publisher Mobile - Submit print jobs via your mobile phone app supporting IOS and Android
- Publisher Express - Easily submit your print jobs via the web independent of your web browser
- ClearConnect User Panel - Print, Copy, Scan is as easy as using a tablet with the multi-touch user panel. Pull up a document from your Smart Inbox, USB device or external locations. Zoom and pan to different areas - even preview live while scanning or copying to avoid errors. The ColorWave 3000 series include RIP Support (eg Onyx Thrive).<sup>7</sup>

**Smart inbox**Personalised Smart Inbox with history,  
manage queue, manage history, WebTools  
Express, 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. 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**Print management & accounting**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**Mobile and cloud**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**Device management**WebTools Express provides 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**PERIPHERALS  
(optional)****SCANNER  
PROFESSIONAL****Description**Charge-coupled device (CCD) colour 44 in  
scanner with optional upgrade to 48 in**Scan resolution**

1200 x 1200 dpi (9600 x 9600 dpi interpolated)

**Scan speed**23 m/min (150 dpi)  
4.6 m/min (600 dpi)**Scan formats**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**Scan templates**

Unlimited

**Original width**

1270 mm

**Original length**

200 m

<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>	44 model: 1118 mm / 48 model: max. 1220 mm
<b>Connections</b>	1 USB Port 3.0 Interface 1 GBit Fast Ethernet with TCP/IP based Interface
<b>Embedded controller</b>	64 bit Linux, Intel i3, quad core processor, 16 Gigabyte RAM, 320GB HDD for very long scans
<b>Scanner size (HxWxD)</b>	1070 x 1425 x 507 mm
<b>Scanner weight</b>	60 kg

**FOOTNOTES:**

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Excluding cable/chain and mounting material  
D size (34 x 22 in) / A1 size (841 x 594 mm)  
E size (44 x 34 in) / A0 size (1189x 841 mm)  
1 A1 landscape print to back output, in fastest print mode, from ready mode.  
1 copy made in A1 landscape. Print to back output, in fastest print mode, background compensation off from ready mode.  
Based on current third party support  
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

**FOLDER EXPRESS 3011**

<b>Description</b>	Integrated compact automated full-fold folder
<b>Folding speed</b>	1 - 12 m/min
<b>Folder dimensions (WxDxH)</b>	1780 x 860 x 1037-1253 mm
<b>Delivery capacity</b>	80 A0/E size folded packages (80 g/m2)

**FOLDER PROFESSIONAL 6011/6013**

<b>Description</b>	Integrated productive full-fold folder with automated, manual folding and unfold output
<b>Folding speed</b>	2.5 - 10 m/min (29 m/min with optional High Speed License)
<b>Folder dimensions (WxDxH)</b>	1837 x 1634 x 1227 mm (6011) 2157 x 1634 x 1227 mm (6013)
<b>Delivery capacity (standard delivery belt)</b>	150 A0/E size folded packages (80 gr/m2)
<b>Reinformer (tab unit)</b>	Folder Professional 6013 only

**STACKER SELECT**

<b>Description</b>	Productive integrated high capacity stacker with air separation and full tray sensor
<b>Capacity</b>	Up to 400 sheets
<b>Media width</b>	216 mm - 1067 mm
<b>Media length</b>	200 mm - 1220 mm
<b>Media weight</b>	60 - 160 g/m <sup>2</sup>



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