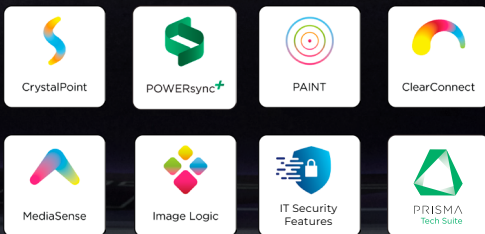




YEARS AHEAD



colorWAVE T65 BENEFITS

- **Durable color printer**
Businesses run better with peace of mind. The colorWAVE T-series is built for reliability and uptime, with minimal burden of daily maintenance.
- **Professional design philosophy**
We have led architects, designers, and engineers into better ways of printing technical drawings and designs for more than 85 years. We are also one of the world's leading manufacturing companies, with vast experience in design and engineering.
- **Productive ease of use**
The colorWAVE T-series provides productive ease of use for almost every task, from a quick print to complex jobs and document sets. Together with the PRISMA Tech Suite, it's color printing you can build on for the years ahead.
- **Streamlined workflow**
We are not only one of the market leaders in high-performance printers; we are also a well-known developer of controllers and workflow software that gives architects, designers, and engineers the tools they need to do the job.
- **IT security features**
More than ever, you need to protect your IT infrastructure and valuable data assets against unauthorized access. The colorWAVE T-series printers include multiple layers of security features.
- **Support of your sustainable business initiatives**
The colorWAVE T-series brings you compact, quiet, ergonomic printing. It's a color printing system that helps to support your sustainable business initiatives.
- **CrystalPoint Technology**
A unique toner gel technology that ensures a strong adhesion to a wide range of media, and sharp lines without sacrificing fine details. Experience little to no ozone emissions, no odor, no system contamination by powder or ink, and minimal waste disposal with instantly dry prints for immediate handling and stacking. The toner waste is solid and completely non-toxic, and can be disposed of as part of regular office waste.

colorWAVE T65 shown with optional Scanner Express and Operator Attention Light

colorWAVE T65

Color printing you can build on

The colorWAVE T-series combines proven technology with our latest innovations in product design and controller technology to offer you easy, highly productive color printing of technical drawings and designs with IT security features and support for your sustainable business initiatives for the years ahead.

TECHNICAL SPECIFICATIONS

STANDARD SYSTEM CONFIGURATION

4 Roll printing system	Productive large format color printer with ClearConnect multi-touch user panel
Applications	Color and Black-and-white technical drawings, unfolded and folded maps, POP/POS posters, and Graphic Arts applications like posters, wallpapers, banners, wrapping paper, fine art
Stacking systems	Integrated Top Delivery Tray, up to 90 sheets capacity
Multi-touch user interface	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
Starter kit	4x 500g toner cartridges (Cyan, Magenta, Yellow, Black).

OPTIONAL SYSTEM CONFIGURATIONS

Roll media capacity upgrade	Additional third drawer to increase media capacity from 4 to 6 media rolls (650' per roll)
Office space saving scanning system	Scanner Express or Scanner Express R* with Image Logic technology, integrated CIS scanner positioned on top of the printer to save office space
Removable hard disks	For secure environments, hard disks can be removed from the printer system to secure data integrity
Operator Attention light	For productive environments, the status of the machine is visible from a distance

TECHNOLOGY

Imaging technology	CrystalPoint Technology: The printer contains 8 Imaging Devices, 2 for each color (CMYK) Clean toner refill system, no toner dust, no residue Virtually no ozone emission
Automated functions	<ul style="list-style-type: none">• 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/ 30 mil)• Automated print language recognition• Automated media selection• Automatic remaining media detection, indicating remaining media per media roll• Automated media saving function• Automated media switch• Automated print mode selection (Print Assistant), suggests the right print mode for your job
Toner	colorWAVE T65 and colorWAVE+ TonerPearls (in combination with App+ license); Cyan, Magenta, Yellow, and Black, 500g/cartridge

PRODUCTIVITY

Speed (print and copy)	Up to 4 A1/D-sizes ¹ per minute Up to 2 A0/E-sizes ² per minute B&W CAD: Up to 225 A1/D-sizes per hour, 129 A0/E-sizes per hour (high speed mode) Color CAD: Up to 212 A1/D-sizes per hour, 120 A0/E-sizes per hour (high speed mode)
First print out time³	<40 seconds
First copy out time⁴	<40 seconds
Print modes	9 print modes Select the print mode manually or use the Print Assistant to automatically determine the best print mode based on the content, without need for user intervention

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)	Compact design: 82.68 x 34.45 x 63.19 in. (including Top Delivery Tray)
Shipping dimensions (WxDxH)	89.4 x 47.1 x 60.1 in.
Weight main engine	648 lbs. (standard configuration) 792 lbs. (Two Roll Drawer 3) ⁵
Shipping weight main engine	846.5 lbs. (standard configuration) ⁵

MEDIA HANDLING

Media capacity	4 or 6 ⁶ rolls
Media cutting	Automatic or manual
Maximum media capacity	650 ft. per roll
Media sizes	Supports all roll sizes from 11 in to 42 in, including standard sizes DIN, ANSI, ARCH
Media weight	60–200 gsm; 16–53 lb.; film: 2.5–8.0 mil
Media thickness	800 µm; 30 mil; film: 65–200 µm / 2.5–8 mil
Roll length	Up to 650 ft.

Roll width	11 in. – 42 in.
Roll core diameter	3-inch and 2-inch cores (media on 2-inch core to the external output not to the Top Delivery Tray), media loose on core—cannot be taped to core
Roll diameter	Up to 7.1 in.
Roll weight	Up to 44 lbs.
Minimum printed length	8.5 in.
Maximum printed length	650 ft.
Media type	Uncoated papers, uncoated Tyvek, self-adhesive papers, self-adhesive coated vinyls, blue back papers, polypropylene films, polyester films, light block films, backlit films, canvas, soft banner, instant dry photo paper, coated and uncoated non-woven wall paper (fleece), wallpaper, several natural and synthetic textiles
Custom media	Custom media support, including automatic calibration, no tooling, and training required
Automatic roll media handling	<ul style="list-style-type: none">• 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• Automated media switch, to guide the media to the top delivery tray or back output depending on the user application• Automatic Remaining media detection, indicating remaining media per media roll• Automatic rotation and alignment for folding• Automatic legend detection• MediaSense Technology; automatic media thickness measurement and printing height adjustment

CLEARCONNECT USER INTERFACE

Description	ClearConnect multi-touch user panel
Size (WxHxD)	11.8 x 8.7 x 1.6 in. Touch screen: 10.4 in.
Resolution	800 x 600 pixels (SVGA)
Technology	Projective capacitive touch
Operation	3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home]; Multi-touch 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 (-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, 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 Enterprise LTSC 2021, 64 bits
Processor	6 Core, 6 Thread, Core i5-8500 @4.10 GHz
Memory	2x8 GB DDR4
Video	Intel UHD Graphics 630, 1.0 GHz
Hard Disk	2x 500 GB, 7200 rpm (standard)
TPM	TPM 2.0
Interface	2x Ethernet 100 Mbps/s, 1 Gbit/s TCP/IP: DHCP, IPv4, IPv6, HTTPS Discovery: APIPA, WS-Discovery, SNMP WAVE interface
Page description language	TIFF, JPEG, HPGL, HPGL2, DWF, C4, Calcomp 906/907/951, CALS, NIRS/NIFF
Page description language (optional)	PDF/APPE license provides access to Adobe PostScript 3 and PDF1.7. It enables the Adobe CPSI 7.10 (Configurable PostScript Interpreter) and the APPE 5.7 (Adobe PDF Print Engine) components
Printing protocol	<ul style="list-style-type: none">• LPR, FTP, WebDav• FTP• Pull from SMB, FTP• Pull from cloud (retrieve from ARC Collaborate, WebDAV based clouds)• HTTP/HTTPS (used by Publisher Express and PRISMAproduce Tech)• Print from home folder (via access management license)
Back Channel protocol	HTTP or HTTPS
Transformations	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)
Cloud support	Cloud support via the WebDav protocol or via solutions like uniFLOW [®] The cloud user authentication can either be preconfigured by the administrator or done by the user at the time of accessing the specific cloud
Color management	<ul style="list-style-type: none">• 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 SO12647-ECI (FOGRA47), GRACoL2006_Coated1v2.icc, SWOP2006_Coated3v2.icc, SWOP2006_Coated5v2.icc, UncoatedFogra29.icm• Gray profile (standard included in the PDF/APPE option)• Rendering intent (perceptual, saturation, absolute colorimetric, relative colorimetric)

INTEGRATED SECURITY FEATURES

Safe submission	Access Control (IP filtering), IPsec, HTTPS, IP4 and IP6 compatible, password data protection
Safe storage and removal	Secure file erase, e-shredding, secure boot, data encryption with embedded FIPS 140-2 Certified Trusted Platform Module 2 (TPM), BitLocker 256 AES encryption, optional removable hard disks and optional HDD destruction at the end of the contract
Authorization	User authentication for access on the ClearConnect user panel/ WebTools Express (via LDAP/Active Directory credentials and optional via Access card), print file protection via pincode or password, possible to disable ports and interfaces, standard uniFLOW embedded applet installed on the controller; for integration in uniFLOW please contact your Canon representative
Hack prevention	IEEE 802.1x Authentication, SNMP v3, audit logging, configure HTTPS certificates TLS 1.2 strong cipher (possible to disable TLS1.0 and 1.1 protocols), possible to disable unused protocols, Security Event logging, optional Trellix antivirus software, optional Trellix Application Control (whitelisting)
Secure now and in the future	Windows 10 Enterprise LTSC 2021 controller operating system. CIP (Continuous Improvement Process) including automatic Microsoft security patch update services with notifications and scheduling, continuous monitoring of vulnerabilities by Canon (https://psirt.canon.com), annual external security audit program based on the OWASP top 10 methodology (https://owasp.org), monitoring of new legislation and high impact breaches

SCANNER EXPRESS OR SCANNER EXPRESS R* (optional)

Description	Integrated Contact Image Sensor (CIS) Color scanner with Image Logic technology
Scan resolution	600 x 600 dpi
Scan speed	Up to 10 in./sec black-and-white scanning Up to 3 in./sec color scanning
Scan formats	TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A, and multi-page 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 Publisher Express, WebDAV Clouds
Scan naming	Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel
Original width	8.2-38 in., automatic width detection
Original length	8.2-630 in., automatic length detection
Scan width	36 in.
Original thickness	Maximum 0.8 mm; 0.03 in. (non-rigid documents)
Zoom (copy)	1:1, scale to media size, scale to standard format, Custom: 10% – 1000%
Original types presets	Blueprint, colored original, dark original, folded lines/text, lines/text standard, lines/text draft, photo, map, artwork
Size scanner (WxDxH)	43 x 12 x 5.5 in.
Weight scanner	55 lbs.

ENVIRONMENTAL

Sound power level	Standby and sleep: 4.7 B(A) Print mode: 6.9 B(A)
Sound pressure level	Standby and sleep: 36 dB Print mode: 57 dB
Ozone concentration	Virtually no ozone emission
Heat emission	Ready: 215 W; Active: 325 W
Operating temperature	59–95 °F (recommended: 68–81 °F)
Operating humidity	20% – 80% RH (recommended: 30% – 60% RH)
Power requirements	100–240 V; 50/60 Hz
Power consumption	Sleep mode: <2.5 W Ready mode: 202 W Active mode: 319 W
Safety/EMC & environmental certificates	CE, TÜV GS, CETECOM, c-UL-US, CB, RCM, ENERGY STAR 3.0, FEMP, EPEAT, CCC, EAC, FCC Class A, VCCI Class A, RoHS, GREENGUARD Gold
Earthquake provision⁷	Secure the printer against moving or tilting during an earthquake; this enables the user to secure the printer to a sturdy element of the building

Recyclables

Printer: made of steel and highly recyclable plastics, min 86% of the engine can either be upcycled or recycled; remaining 14% are non-toxic waste
Toner: cartridge packaging reused as maintenance cassette
Prints: Deinkability certificate

WORKFLOW SOFTWARE

PRISMA Tech Suite	Create breathtaking applications while staying in control of your printer with powerful workflow solutions that are designed to help you with your day to day print operation
PRISMAproduce Tech	Compose, manage, and submit complex sets of documents from your web browser to one or more printers at a time
PRISMAlytics Dashboard	Get comprehensive overviews to monitor and maximize the production of your print operations with this secure cloud-based management information tool
PRISMAlytics Accounting	Capture data for cost charging and usage monitoring with this cloud-based reporting tool
DRIVERS, SUBMITTERS, USER PANEL	
Drivers	Easy to use printer drivers that allow you to effectively and efficiently print from any application. Create, retrieve and/or send jobs from: <ul style="list-style-type: none"> • Driver Select for Microsoft Windows • Driver Express for Adobe PostScript 3 for Microsoft Windows or Apple OS
Job submission	<ul style="list-style-type: none"> • 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, and 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

CONTROLLER WORKFLOW

Open architecture	Integrate smoothly into print management applications such as uniFLOW thanks to our POWERsync [®] controller
Smart inbox	Personalized 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. 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	View the counter history at preferred time periods, per job or total overview in WebTools Express. View, create, edit, and delete stamp templates. Standard uniFLOW support installed on controller; login your personal uniFLOW Queue on the ClearConnect User interface. Supports accounting, manual authentication, card readers, and contactless card readers. Scan to email and scan to cloud is supported.
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 provide administrators the tools to manage the device remotely via the web: e.g., check printer status; Remote ON function, ink/toner/remaining media status; define default 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; and view, create, edit, and delete stamp templates, etc.

¹ D size (34 x 22 in) / A1 size (841 x 594 mm).

² E size (44 x 34 in) / A0 size (1189 x 841 mm).

³ One A1 landscape print to back output, in fastest print mode, from ready mode.

⁴ One copy made in A1 landscape. Print to back output, in fastest print mode, background compensation off, from ready mode.

⁵ Weight includes second drawer (separately packed).

⁶ Optional.

⁷ Based on current third-party support.

* Scanner Express R is a refurbished Scanner Express Scanner. It functions at the same speed, resolution, and is compatible with the same Image Logic software as the Scanner Express IV Scanner.



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