

# YEARS AHEAD

## colorWAVE T65

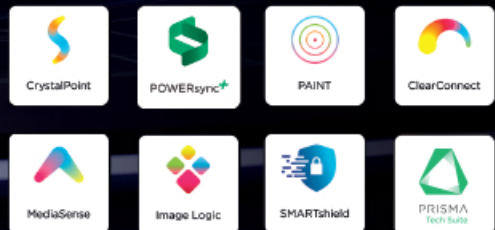
Colour printing you can build on

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



### T-series benefits for you

- Durable colour printer**  
 Businesses run better with peace of mind. The colorWAVE T-series is built for reliability and uptime, without the 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 colour 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 unauthorised access. With multiple layers of security features, the colorWAVE T-series is a printer you can build on with peace of mind for the years ahead.
- Support of your sustainable business initiatives**  
 The colorWAVE T-series brings you compact, quiet, ergonomic printing. It's a colour printing system you can build on for the years ahead to support your sustainable business initiatives.
- One-stop shop**  
 With the colorWAVE T-series, our account professionals help you configure a fully integrated, large-format solution, with hardware, software, supplies and service from a single supplier.



# TECHNICAL SPECIFICATIONS

|  |  |   |  |
|--|--|---|--|
| <b>STANDARD SYSTEM CONFIGURATION</b>             |  | <b>Roll core diameter</b>                   | 3 in and 2 in cores (media on 2 in core to the external output not to the Top Delivery Tray)<br>Media loose on core  |
| <b>4 Roll printing system</b>                    | Productive Large Format Colour printer with ClearConnect multi-touch user panel  | <b>Roll diameter</b>                        | Up to 180 mm; 7,1 in   |
| <b>Applications</b>                              | Colour and B&W Technical drawings, Maps, unfolded and folded, POP/POS posters, Graphic Arts applications like posters, wallpapers, banners, wrapping paper, fine art   | <b>Roll weight</b>                          | Up to 20 kg  |
| <b>Stacking systems</b>                          | Integrated Top Delivery Tray, up to 90 sheets capacity   | <b>Minimum printed length</b>               | 210 mm; 8,5 in   |
| <b>Multi-touch user interface</b>                | 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  | <b>Maximum printed length</b>               | 200 m; 656 ft  |
| <b>Starter kit (separate order)</b>              | 4x 500g toner cartridges (Cyan, Magenta, Yellow, Black).<br>1 roll of 90 grams paper is included in the printer  | <b>Media type</b>                           | 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 & uncoated non-woven wall paper (fleece), wall paper, several natural and synthetic textiles  |
| <b>OPTIONAL SYSTEM CONFIGURATIONS</b>            |  | <b>Custom media</b>                         | Custom media support, including automatic calibration, no tooling and training required  |
| <b>Roll media capacity upgrade</b>               | Additional 3rd drawer to increase media capacity from 4 to 6 media rolls (800 to 1200 ml, 850 to 1280 m <sup>2</sup> )   | <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 roll switching when end of roll is reached</li><li>- Automated media switch, to guide the media to the top delivery tray or back output depending on the user application</li><li>- Automatic Remaining media detection, indicating remaining media per media roll</li><li>- Automatic rotation and alignment for folding</li><li>- Automatic legend detection</li><li>- MediaSense Technology; automatic media thickness measurement and printing height adjustment</li></ul> |
| <b>Office space saving scanning system</b>       | Scanner Express with Image Logic technology, integrated CIS scanner positioned on top of the printer to save office space  | <b>ClearConnect USER INTERFACE</b>          |  |
| <b>Removable hard disks</b>                      | For secure environments, hard disks can be removed from the printer system to secure data integrity  | <b>Description</b>                          | ClearConnect multi-touch user panel  |
| <b>Operator Attention light</b>                  | For productive environments, the status of the machine is visible from a distance  | <b>Size (WxHxD)</b>                         | 300 x 220 x 40 mm; 11,8 x 8,7 x 1,6 in. Touch screen: 10,4 in  |
| <b>TECHNOLOGY</b>                                |  | <b>Resolution</b>                           | 800 x 600 pixels (SVGA)  |
| <b>Imaging technology</b>                        | CrystalPoint Technology. The printer contains 8 Imaging Devices, 2 for each colour (CMYK).<br>Clean toner refill system, no toner dust, no residue.<br>No ozone emission   | <b>Number of colours</b>                    | 16.2 Million   |
| <b>Automated functions</b>                       | <ul style="list-style-type: none"><li>- 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</li><li>- 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)</li><li>- Automated print language recognition</li><li>- Automated media selection</li><li>- Automatic Remaining media detection, indicating remaining media per media roll</li><li>- Automated media saving function</li><li>- Automated media switch</li><li>- Automated print mode selection (Print Assistant), suggests the right print mode for your job</li></ul> | <b>Technology</b>                           | Projective capacitive touch  |
| <b>Toner</b>                                     | colorWAVE T65 and colorWAVE+ TonerPearls (in combination with App+ license); Cyan, Magenta, Yellow and Black, 500g/ cartridge  | <b>Operation</b>                            | 3 hard buttons: [Wake-up], [Stop, interrupt, abort], [Home]<br>Multi-touch functions: tap, double tap, pinch, 2 finger pinch, swipe, flick and spread  |
| <b>PRODUCTIVITY</b>                              |  | <b>Interface design</b>                     | Distinctive user interface with intuitive navigation and clearly defined levels of operation   |
| <b>Speed (print and copy)</b>                    | 4 A1/D-sizes <sup>5</sup> per minute<br>2 A0/E-sizes <sup>5</sup> per minute   | <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 19 languages; Czech, Danish, German, English, Spanish, Finnish, French, Hungarian, Italian, Japanese, Korean, Dutch, Norwegian, Polish, Portuguese, Russian, Swedish, Chinese simplified, Chinese-traditional  |
| <b>First print out time<sup>3</sup></b>          | <40 seconds  | <b>CONTROLLER</b>                           |  |
| <b>First copy out time<sup>4</sup></b>           | <40 seconds  | <b>Description</b>                          | High performance POWERSync <sup>®</sup> controller with Windows 10 IoT Enterprise LTSC 2021, 64 bits   |
| <b>Print modes</b>                               | 9 print modes.<br>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  | <b>Processor</b>                            | 6 Core, 6 Thread, Core i5-8500 @4.10GHz  |
| <b>QUALITY</b>                                   |  | <b>Memory</b>                               | 2x8 GB DDR4  |
| <b>Print Resolution</b>                          | 600 x 600 dpi  | <b>Video</b>                                | Intel UHD Graphics 630, 1.0GHz   |
| <b>Resolution Droplet aligning accuracy</b>      | 1200 dpi (corresponds to 20 microns)   | <b>Hard Disk</b>                            | 2x 500 GB, 7200 rpm (standard)   |
| <b>Minimum line width (ISO/ IEC T3660:2001E)</b> | 0.08 mm; 0.00315 in  | <b>TPM</b>                                  | TPM 2.0  |
| <b>1:1 Line accuracy</b>                         | < 0.3%   | <b>Interface</b>                            | 2x Ethernet 100 Mbits/s, 1 Gbit/s<br>TCP/IP: DHCP, IPv4, IPv6, HTTPS<br>Discovery: APIPA, WS-Discovery, SNMP<br>WAVE interface   |
| <b>SIZE AND WEIGHT</b>                           |  | <b>Page description language</b>            | TIFF, JPEG, HPGL, HPGL2, DWF, C4, Calcomp 906/907/951, CALS, NIRS/NIFF   |
| <b>Size main engine (WxDxH)</b>                  | Compact design: 2100 x 875 x 1605 mm (including Top Delivery Tray)   | <b>Page description language (optional)</b> | 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   |
| <b>Shipping dimensions (WxDxH)</b>               | 2271 x 1196 x 1547 mm  | <b>Printing protocol</b>                    | <ul style="list-style-type: none"><li>- LPR, FTP, WebDav</li><li>- FTP</li><li>- Pull from SMB, FTP</li><li>- Pull from cloud (retrieve from ARC Collaborate, WebDAV based clouds)</li><li>- HTTP/HTTPS (used by Publisher Express and PRISMAproduce Tech)</li><li>- Print from home folder (via access management license)</li></ul>  |
| <b>Weight main engine</b>                        | 294 kg (standard configuration) <sup>5</sup>   | <b>Back Channel protocol</b>                | HTTP or HTTPS  |
| <b>Shipping weight main engine</b>               | 384 kg (standard configuration) <sup>5</sup>   | <b>Transformations</b>                      | Scaling; 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>MEDIA HANDLING</b>                            |  | <b>Cloud support</b>                        | Cloud support via the WebDav protocol or via 3th party providers like uniFLOW <sup>®</sup><br>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>Media capacity</b>                            | 4 or 6 <sup>6</sup> rolls  | <b>Colour management</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_ecl_300.icc, ISOcoated_v2_ecl.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>Media cutting</b>                             | Automatic or manual  |   |  |
| <b>Maximum media capacity</b>                    | 4 roll: 800 ml, 850 m <sup>2</sup> ; 6 roll: 1200 ml, 1280 m <sup>2</sup> ;  |   |  |
| <b>Media sizes</b>                               | Supports all roll sizes from 297 mm - 1067 mm, 11 in - 42 in, including standard sizes DIN, ANSI, ARCH   |   |  |
| <b>Media weight</b>                              | 60 - 200 g/m <sup>2</sup> ; 16 - 53 lb; film: 2.5 - 8.0 mil  |   |  |
| <b>Media thickness</b>                           | 800 µm; 30 mil; film: 65 - 200 µm / 2,5-8 mil  |   |  |
| <b>Roll length</b>                               | Up to 200m   |   |  |
| <b>Roll width</b>                                | 297 mm - 1067 mm, 11 in - 42 in  |   |  |

# COLORWAVE T65

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|--|---|--|--|
| <b>SMARTshield INTEGRATED SECURITY</b>             |   | <b>WORKFLOW SOFTWARE</b>               |  |
| <b>Safe submission</b>                             | Access Control (IP filtering), IPsec, HTTPS, IP4 and IP6 compatible, password data protection   | <b>PRISMA TECH SUITE</b>               | 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  |
| <b>Safe storage and removal</b>                    | 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's destruction at the end of the contract  | <b>PRISMAproduce Tech</b>              | Compose, manage and submit complex sets of documents from your web browser to one or more printers at a time   |
| <b>Authorisation</b>                               | 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  | <b>PRISMAlytics Dashboard</b>          | Get comprehensive overviews to monitor and maximise the production of your print operations with this secure cloud-based management information tool   |
| <b>Hack prevention</b>                             | 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)  | <b>PRISMAlytics Accounting</b>         | Capture data for cost charging and usage monitoring with this cloud-based reporting tool   |
| <b>Secure now and in the future</b>                | Windows 10 Enterprise LTSC 2021 controller operating system with Microsoft security patches up to 2032. SMARTshield CIP (Continuous Improvement Process) including: Automatic Microsoft security patch update services with notifications and scheduling, Continuous monitoring of vulnerabilities by Canon ( <a href="https://psirt.canon">https://psirt.canon</a> ), Annual external security audit program based on the OWASP top 10 methodology ( <a href="https://owasp.org">https://owasp.org</a> ), Monitoring of new legislation and high impact breaches | <b>PRISMAservice</b>                   | Maximise your uptime with our CARE methodology: Collect data remotely, Analyze the data, Repair printers via remote assistance and Evaluate for continuous improvement   |
| <b>SCANNER EXPRESS (optional)</b>                  |   | <b>DRIVERS, SUBMITTERS, USER PANEL</b> |  |
| <b>Description</b>                                 | Integrated Contact Image Sensor (CIS) Colour scanner with Image Logic technology  | <b>Drivers</b>                         | Easy to use printer drivers that allow you to effectively and efficiently print from any application. Create, retrieve and/or send jobs from:<br><ul style="list-style-type: none"> <li>- Driver Select for Microsoft Windows</li> <li>- Driver Express for Adobe PostScript 3 for Microsoft Windows or Apple OS</li> </ul>  |
| <b>Scan resolution</b>                             | 600 x 600 dpi   | <b>Job submission</b>                  | <ul style="list-style-type: none"> <li>- Publisher Mobile - Submit print jobs via your mobile phone app supporting iOS and Android</li> <li>- Publisher Express - Easily submit your print jobs via the web independent of your web browser</li> <li>- The colorWAVE T-series include RIP Support (e.g. Onyx Thrive)</li> </ul>  |
| <b>Scan speed</b>                                  | 15.2 m/min Black & white scanning<br>5.0 m/min Colour scanning  | <b>ClearConnect User Panel</b>         | 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  |
| <b>Scan formats</b>                                | TIFF, PDF, PDF/A, JPEG, CALS, multi-page PDF, multi-page PDF/A and multi-page TIFF  | <b>CONTROLLER WORKFLOW</b>             |  |
| <b>Scan templates</b>                              | Extensive number of scan templates to standardise common scan settings and destinations   | <b>Open architecture</b>               | Integrate smoothly into print management applications such as uniFLOW thanks to our POWERsync® controller  |
| <b>Scan protocol</b>                               | FTP, SMB, scan to cloud (push to WebDAV based clouds)   | <b>Smart inbox</b>                     | Personalised Smart Inbox with history, manage queue, manage history, WebTools Express, secured controller access   |
| <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   | <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>Scan naming</b>                                 | Preset naming with auto numbering for productive scanning or file name on the ClearConnect user panel   | <b>Print management</b>                | 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.                                  |
| <b>Original width</b>                              | 208 mm - 965 mm; 8.2 in - 38 in, automatic width detection  | <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>Original length</b>                             | 208 mm - 16000 mm; 8.2 in- 630 in, automatic length detection   | <b>Device management</b>               | 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 behaviour, queue management, license management, view, create, edit and delete stamp templates etc |
| <b>Effective scan width</b>                        | 932 mm  | <b>PERIPHERALS (optional)</b>          | Folder Express 3000, Folder Express 3011, Folder Professional 6011, Folder Professional 6013, Stacker Select, Scanner Professional II  |
| <b>Original thickness</b>                          | Maximum 0.8 mm; 0.03 in (non-rigid documents)   | <b>FOOTNOTES:</b>                      |  |
| <b>Zoom (copy)</b>                                 | 1:1, Scale to media size, Scale to standard format, Custom: 10 - 1000%  | 1                                      | D size (34 x 22 in) / A1 size (841 x 594 mm)   |
| <b>Original types presets</b>                      | Blueprint, Coloured original, Dark original, Folded lines/text, Lines/text standard, Lines/text draft, Photo, Map, Artwork  | 2                                      | E size (44 x 34 in) / A0 size (1189x 841 mm)   |
| <b>Size scanner (WxDxH)</b>                        | 1097 x 308 x 140 mm; 43 x 12 x 5.5 in   | 3                                      | 1 A1 landscape print to back output, in fastest print mode, from ready mode  |
| <b>Weight scanner</b>                              | 25 kg; 55 lbs   | 4                                      | 1 copy made in A1 landscape. Print to back output, in fastest print mode, background compensation off, from ready mode   |
| <b>ENVIRONMENTAL</b>                               |   | 5                                      | Weight includes 2 <sup>nd</sup> drawer (separately packed)   |
| <b>Sound power level</b>                           | Standby and sleep: 4.7 B(A)<br>Print mode: 6.9 B(A)   | 6                                      | Optional   |
| <b>Sound pressure level</b>                        | Standby and sleep: 36 dB<br>Print mode: 57 dB   | 7                                      | Based on current third party support   |
| <b>Ozone concentration</b>                         | Zero  | 8                                      | Excluding cable/chain and mounting material  |
| <b>Heat emission</b>                               | Ready: 215 W; Active: 325 W   |  |  |
| <b>Operating temperature</b>                       | 15 - 35 °C (recommended: 20 - 27 °C); 59 - 95 °F (recommended: 68 - 81 °F)  |  |  |
| <b>Operating humidity</b>                          | 20 - 80% RH (recommended: 30 - 60% RH)  |  |  |
| <b>Power requirements</b>                          | 100 - 240 V; 50/60Hz  |  |  |
| <b>Power consumption</b>                           | Sleep mode: <2.5 W<br>Ready mode: 215 W<br>Active mode: 325 W   |  |  |
| <b>Safety/EMC &amp; environmental certificates</b> | CE, TÜV GS, cetecom advanced, c-UL-US, CB, RCM, ENERGY STAR 3.0, FEMP, EPEAT, CCC, EAC, FCC Class A, VCCI Class A, RoHS, Greenguard Gold  |  |  |
| <b>Earthquake provision<sup>9</sup></b>            | 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  |  |  |
| <b>Recyclables</b>                                 | 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.<br>Toner: cartridge packaging reused as maintenance cassette<br>Prints: Deinkability certificate  |  |  |
| <b>Second life program</b>                         | Compatibility with selected legacy scanners, folders and stackers   |  |  |

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