

you can
Canon

SmartLF Ci 40
Large Format CIS Scanner

Front loading, front output
large format scanning solution

COLORTAC

CAD & GIS Document Scanner

The SmartLF Ci 40 is a high speed, large format scanner designed for the CAD & GIS markets. This 40" user friendly, networkable solution features an optical resolution of 600 dpi and recreates fine lines and detailed images with exceptional clarity.

Space saving – Compact, lightweight and transportable.

Energy Efficient – Energy Star compliant, powers down when idle.

Easy to use – Simple controls allow everyone the opportunity to scan, copy and print documents.

Convenient – Face-up feed and exit document scanning for easy operation.

Accurate document scanning – Recreate fine lines and detailed images using CIS technology and a 600 dpi optical resolution.

Network-ready – Gigabit ethernet to connect to your business LAN.



| | | | | |
|------------------------------|---------------------------------|---------------------------------|------------------|-----------------------------|
| 40 inch image width | 42 inch document width | 600dpi optical resolution | 25,000 pixels | 48-bit colour capture |
|------------------------------|---------------------------------|---------------------------------|------------------|-----------------------------|

- SmartLF versatile all-in-one software is included, supporting PDF, JPEG, PNG & TIFF formats, maximising what you can scan.
- High productivity - Scan up to 10" per second.
- Place anywhere in the office with the printer, using the universal repro stand.
- Plug and play set-up with high speed USB 2.0.

We Speak Image

There are three SmartLF Ci 40 high definition large format scanner models with performance levels and features optimised for different applications. If your requirements change, the **M** and **C** models can be upgraded.

| | | M | C | E |
|---|---|------|------|------|
| Maximum image width | 40in (101.6cm) Image length: not limited by scanner | ■ | ■ | ■ |
| Maximum media width | 42in (106.7cm) Thickness: 0.012in (0.3mm) | ■ | ■ | ■ |
| Scan speeds ¹ in/sec | 24-bit RGB colour @ 200dpi ² | - | 0.83 | 3.33 |
| | 8-bit greyscale & monochrome @ 200dpi ² | 10.0 | 10.0 | 10.0 |
| Scan accuracy ³ | +/-0.1% +/-1 pixel | ■ | ■ | ■ |
| Optical resolution | Dots per inch (dpi) | 600 | 600 | 600 |
| Extended resolution ⁴ | Linear interpolation from 100 to 9600dpi in 1 dpi steps | 9600 | 9600 | 9600 |
| Scan modes | 16.7 million colour RGB (24-bit) | - | ■ | ■ |
| | 256 & 16 colour RGB adaptive indexed colour palette (8-bit & 4-bit) ⁵ | - | ■ | ■ |
| | 256 level greyscale (8-bit) | ■ | ■ | ■ |
| | Black & White (1-bit) | ■ | ■ | ■ |
| Digital image processing (Colortrac software options provide a comprehensive range of 'post scan' image processing filters and tools) | 2D Intelligent Adaptive Thresholding (IAT) (1-bit mode) | ■ | ■ | ■ |
| | Fixed Threshold Black & White (1-bit mode) | ■ | ■ | ■ |
| | Dynamic Normalisation Application (DNA) with 16-bit super sampling | ■ | ■ | ■ |
| Colour space | Normalised / linearised sRGB or similar | - | ■ | ■ |
| Colour image processing | Gamma, brightness, black & white point adjustment | - | ■ | ■ |
| Advanced Single Roller Paper Transport (ASRPT) | Single large diameter precision ground drive roller | ■ | ■ | ■ |
| | Adaptive CIS media focus management & media guide mechanism | ■ | ■ | ■ |
| | Intuitive face up, front loading & front exit media path with side or centre justification | ■ | ■ | ■ |
| | Automatic media size detection with reliable optical media sensors | ■ | ■ | ■ |
| All digital image sensor technology | 5 x Contact Image Sensors (CIS) each with 5,000 pixels | ■ | ■ | ■ |
| | 48-bit RGB colour image capture | - | ■ | ■ |
| | 16-bit greyscale image capture | ■ | ■ | ■ |
| | Panchromatic monochrome and black & white | ■ | ■ | ■ |
| Light source (in CIS) | Dual 2D extra long-life LED light system for optimum object illumination and instant-on scanning capability | ■ | ■ | ■ |
| Optics (in CIS) | Solid state fibre optic rod lens with 1:1 object sensor magnification | ■ | ■ | ■ |
| User status & one touch operation | Centre mounted LCD scanner control panel provides easy walk up operation and user selection of scanner mode with stop, forward, rewind, scan & copy buttons | ■ | ■ | ■ |
| | User selectable IP address, local language options and panel overlay ⁶ | ■ | ■ | ■ |
| Scanner maintenance | Customer installable, plug 'n' play scanner | ■ | ■ | ■ |
| | Precision media calibration with DNA 16-bit super sampling | ■ | ■ | ■ |
| | Automatic digital stitch adjustment / Easy access for cleaning | ■ | ■ | ■ |
| SmartLF All-in-One software (included) | Scan_to_file with real-time image viewer | ■ | ■ | ■ |
| | Scan_to_copy with real-time image viewer | ■ | ■ | ■ |
| | Scan_to_email with real-time image viewer | ■ | ■ | ■ |
| | Drivers, TIFF, JPEG, PNG, PDF file formats | ■ | ■ | ■ |
| Interface (included) | Gigabit ethernet & USB2 / 2m data cables / local power cable | ■ | ■ | ■ |
| | Windows Image Acquisition (WIA) / Still Image Interface (STI) | ■ | ■ | ■ |
| Dimensions & weight | 48.5in wide x 8in high x 10.6in deep (123.2 x 20.1 x 27cm) 49Lbs (22kg) | ■ | ■ | ■ |
| Power requirements & consumption | External power supply 100 - 250VAC autosensing +/-10%, 50 - 60Hz, 40 VA (scanning), 4.2 VA (stand-by) | ■ | ■ | ■ |
| Environmental impact | ENERGY STAR qualified, complies with RoHS | ■ | ■ | ■ |
| Operating conditions | 10°C - 35°C, 35% - 80% RH non-condensing | ■ | ■ | ■ |
| Scan software | ScanWorks - professional scan_to_archive & post scan image processing | □ | □ | □ |
| Copy software | CopySmart - professional scan_to_print with IT8 colour matching | □ | □ | □ |
| EDC software | ISIS™ driver - connect seamlessly to EDM systems & database | □ | □ | □ |
| Scanner accessories | Floor Stand 32.3in high x 21.7in deep (82 x 55cm) 29Lbs (13kg) | □ | □ | □ |
| | Paper Catch Basket (requires floor stand) | □ | □ | □ |
| | PC & Flat screen mounting kit (requires floor stand) | □ | □ | □ |
| | Universal Repro Stand + adapter with PC & Flat screen mounting kit | □ | □ | □ |
| | 75in wide x 63in high (MAX incl. scanner) x 29in deep (189 X 160 x 74cm) 113Lbs (51kg), max permissible printer height 49in (125cm) | □ | □ | □ |

■ standard □ optional - not supported

¹ The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times will depend on the host system performance. Quoted top speeds maybe limited by the effective bandwidth of the USB2 or ethernet i/f and are not guaranteed for all media types.

² Turbo Mode speeds can be twice as fast as regular non-turbo speed ratings but offer virtually no image quality gains over scans made at half the quoted resolution. Turbo mode scanning uses digital software interpolation to double the resolution in the paper scan direction to simulate higher resolution scanning.

³ The achieved scan accuracy may vary depending on the operating environment and the type & thickness of media. Colortrac measures accuracy by scanning a paper original printed with a square target. The pixel co-ordinates of the target image are measured and compared with the known dimensions of the original. SmartLF Ci 40 scanners are tested at 20 °C +/- 3 °C, 60% +/- 10% RH non-condensing.

⁴ The maximum resolution & size selectable for an image is limited by the file format specified, the available disk space & the computer operating system.

⁵ 16 colour RGB (4-bit) adaptive indexed palette images are a feature of the optional Colortrac ScanWorks software.

⁶ Languages supported: Arabic, Chinese (simplified), English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish.

⁷ Microsoft WIA / STI is specified for the USB interface only.

Colortrac recommends Intel Pentium, Core Duo, Core 2 Duo, HT (Hyper-Threading) and AMD Athlon Dual Core processors, at least 1GB RAM, Gigabit ethernet, USB2 and Windows™ XP Home, Windows™ XP Professional or Windows™ Vista operating systems. SmartLF drivers support 32-bit and 64-bit processor architectures. Contact your supplier for advice on the optimum system configuration for your application. Colortrac SmartLF Ci 40 scanners are designed to comply with ENERGY STAR, CB, CE, FCC, UL and RoHS standards and regulations. Colortrac Ltd makes no warranty of any kind with respect to the information contained in this document and reserves the right to change specifications without notice. Colortrac and Smart LF® are trademarks of Colortrac Ltd. All other trademarks are the property of their respective owners. Copyright © 2008 Colortrac Ltd. COLORTRAC SMARTLF WIDE FORMAT SCANNERS ARE DESIGNED AND MANUFACTURED BY COLORTRAC.

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Canon recommends you use Canon Media for the best results. Please check media (paper) compatibility list to see which variety of paper/media is recommended.



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