

you can
Canon

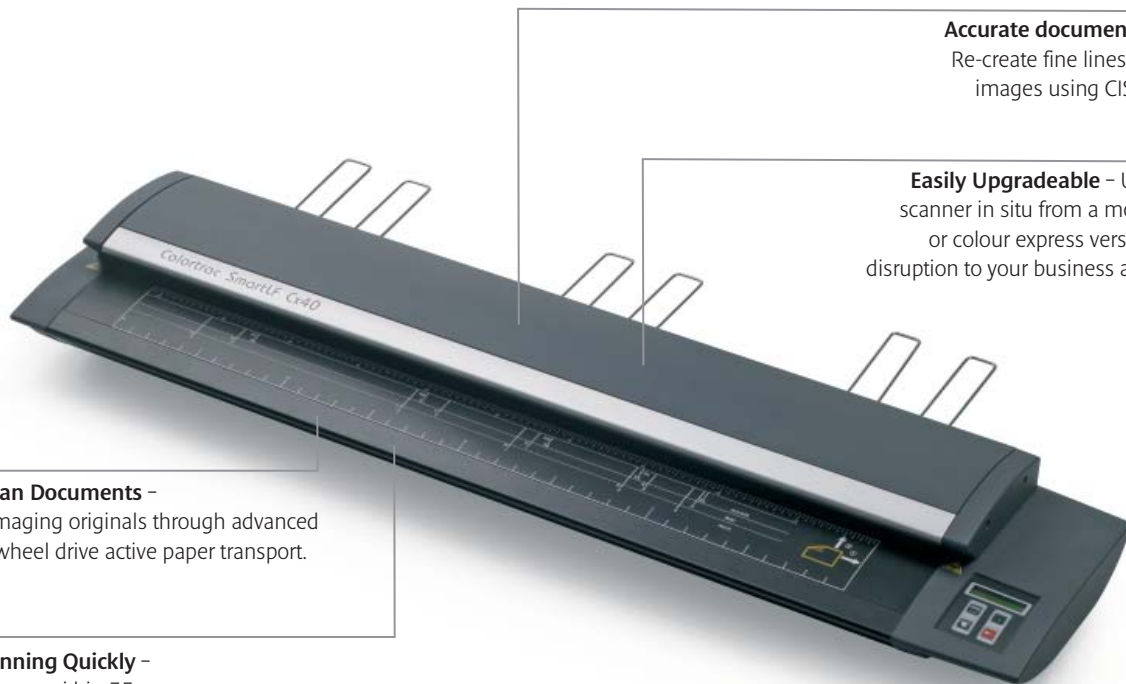
SmartLF Cx 40
Large Format CIS Scanner

Precision scanning of large
format documents

COLORTRAC

Compatible with iPF610, iPF710 and iPF720

The SmartLF Cx 40 is designed to scan and copy large format documents quickly and precisely avoiding outsourcing your work. Combined with a Canon large format printer, it's the ideal solution for the CAD and GIS markets, where speed and accuracy are paramount.



Accurate document scanning -

Re-create fine lines and detailed images using CIS technology.

Easily Upgradeable - Upgrade your scanner in situ from a mono to colour or colour express version, avoiding disruption to your business and lost time.

Safely Scan Documents -

Avoid damaging originals through advanced 2 + 4 all wheel drive active paper transport.

Start Scanning Quickly -

Ready to scan within 35 secs from power on.

40 inch image width	44 inch document width	600dpi optical resolution	25,000 pixels	48 bit colour capture
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- Scan up to 9" per second - To quickly scan and copy documents
- Start scanning and copying straight away - SmartLF "ready to run" software included.

We Speak Image

Three versions available:

Cx 40m (mono)

Captures fine image details in maps & CAD drawings at speeds up to 9.0"/s.

Cx 40c (colour)

Adds colour scanning to the 40m with colour scan speeds up to 0.75"/s.

Cx 40e (colour express)

Adds express colour scanning at speeds up to 3.00"/s.

		M	C	E
Maximum image width	40in (101.6cm) Image length: not limited by scanner	•	•	•
Maximum media width ¹	44in (111.8cm) Thickness: 0.02in (0.5mm)	•	•	•
Scan speeds ² in/sec	24-bit RGB colour @ 200dpi (not Turbo Mode - see note) ³ 8-bit greyscale & monochrome @ 200dpi (not Turbo Mode - see note) ³	–	0.75	3.00
Scan accuracy ⁴	+/-0.1% +/-1 pixel	•	•	•
Optical resolution	Dots per inch (dpi)	600	600	600
Extended resolution ⁵	Linear interpolation from 100 to 3600dpi in 1 dpi steps	3600	3600	3600
Scan modes	16.7 million colour RGB (24-bit) 256 & 16 colour RGB adaptive indexed colour palette (8-bit & 4-bit) 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 sampled data Precise factory set colour calibration with automatic monitoring and automatic colour temperature adjustment	•	•	•
Colour space	Normalised/linearised Raw RGB data	–	•	•
Colour image processing	Gamma, brightness, black & white point adjustment	–	•	•
Advanced 2+4 wheel-drive Active Paper Transport [APT]	Dual, precision ground drive rollers Dual, all-wheel-drive contour rollers with high grip rubber tyres Dual, belt driven pressure rollers for active media control during scans Accurate, zero maintenance optical media sensors & automatic media size detection	•	•	•
All digital image sensor technology	5 x Contact Image Sensors (CIS) each with 5,000 pixels Rigid beam scanhead with maintenance free CIS alignment 25,000 pixels x 4 (Sequential R + G + B & panchromatic B&W) 48-bit primary point colour image capture 16-bit primary point greyscale image capture Panchromatic Black & White	•	•	•
Light source (in CIS)	Extra long-life LED, extended depth illumination, instant-on scan ability	•	•	•
Optics (in CIS)	Solid state fibre optic image guide lens (1 per pixel)	•	•	•
User status & One Touch operation	LCD panel (scanner status, mode & settings), stop, forward & rewind Scan/Copy buttons	•	•	•
Scanner maintenance and user replaceable parts	Customer installable, plug 'n' play scanner Precision media calibration with DNA 16-bit super sampled data 5 x chemically treated, scratch resistant scan glass, each 22 x 228mm	•	•	•
SmartLF software (included)	Colortrac SmartLF ready-to-run software with: 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, PDF file formats	•	•	•
Interface (included)	USB2 / 2m USB2 cable / local power cable / rear media supports Windows Image Acquisition (WIA) / Still Image Interface (STI)	•	•	•
Dimensions & weight	54.8in wide x 6.7in high x 13.0in deep (140 x 17 x 33cm) 73Lbs (33kg)	•	•	•
Power requirements	100 - 240VAC autosensing, 50 - 60 Hz, 27VA (scanning) 16VA (standby)	•	•	•
Scan software	ScanWorks - professional scan_to_archive & post scan image processing	0	0	0
Copy software	CopySmart - professional scan_to_print with IT8 colour matching	0	0	0
EDC software	ISIS™ driver - connect seamlessly to EDM systems & database	0	0	0
Scanner accessories	Floor Stand 30.7in high x 21.7in deep (78 x 55cm) 29Lbs (13kg) Paper Catch Basket (floor stand is required) PC & Flat screen mounting kit (floor stand is required) Universal Repro Stand with PC & Flat screen mounting kit 75in wide x 61in high (MAX incl. scanner) x 29in deep (189 X 155 x 74cm) 113Lbs (51kg), max permissible printer height 49in (125cm)	0	0	0

• standard • optional – not supported

¹ Media wider than 41.5in may exhibit some degradation in the image.

² 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 decrease for originals wider than 24in and are not guaranteed for all media types.

³ 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 direction to simulate higher resolution scanning.

⁴ The quoted scan accuracy is valid for media up to 0.5mm thick and 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 Cx 40 scanners are tested at 20C +/- 3C, 60% +/- 10% RH.

⁵ The maximum resolution selectable for an image is limited by the file format specified & the available disk space.

Colortrac recommends Intel Pentium, Core Duo, Core 2 Duo, HT (Hyper-Threading) and AMD Athlon Dual Core processors, at least 512MB RAM, 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 Cx 40 scanners comply with 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 © 2007 Colortrac Ltd. COLORTRAC SMARTLF WIDE FORMAT SCANNERS ARE DESIGNED AND MANUFACTURED BY COLORTRAC.



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