

Software

Floor Stand with PC / flat screen mounting.



Ideal for fast, accurate production scanning of AEC, CAD and GIS technical documents, photos, maps, etc

What are the benefits of Colortrac CIS scanning technology?

SmartLF CIS (contact image sensor) technology captures **the finest image detail** in technical documents and maps.

SmartLF Cx 40 wide format devices use the latest CIS technology to provide similar but better value performance benefits - scan speed, image quality, resolution and image width - to traditional CCD (charge couple device) scanners.

SmartLF Cx 40 scanners use 600dpi CIS sensors to give high resolving power and higher geometric accuracy than CCD technology. Resolving power measures how well the scanner sees thin lines and edges; geometric accuracy is a measure of the spatial accuracy of the image compared to the original document.

Scanner accessories

Floor stand

Positions the document feed at a comfortable and convenient height for most users to work at.

Paper catch basket

For floor stand. Catches scanned documents as they are ejected from the rear for easy collection later.

PC / flat screen mounting

For floor stand. Adds a PC, screen and keyboard to create a comfortable and practical scanning workstation.

Colortrac's best selling **SmartLF Cx 40** technical document scanners are proven high volume production scanners. CIS imaging technology, 40" image width, 600dpi optical resolution and instant-on, LED illumination provide fast, sharp, high quality images on-demand.

If you need the best possible black & white or color reproduction in terms of line definition and accuracy in technical documents, (such as AEC / CAD drawings, maps etc), then a SmartLF CIS scanner is the "smart" choice.

SmartLF Cx 40's use of CIS sensors and LED lighting for instant-on illumination make it compact and lightweight. If you want to be mobile and switch on and start scanning immediately, SmartLF CIS technology will allow you to do this.

The SmartLF Cx 40 series provides exceptional monochrome performance with very sharp, clean black & white images; excellent grayscale reproduction; attractive color reproduction and high scan speeds suitable for all needs.



SmartLF All-in-One (included, above)

Easy to use scanning and copying software designed for nonspecialists. It includes all essential functions such as scan to file (PDF, TIFF, JPG) and scan to copy (any Windows printer).

ScanWorks (optional)

Powerful scan to file software with a unique "scan-it-once" ability to ensure that top quality scanned images are produced in the least amount of time.

ScanWorks requires a minimum of scanner activity as **ALL** image adjustment can be made from just one scan of the document. This gives you the fastest workflow and productivity in technical document scanning today. Its interactive adaptive thresholding for flexible real-time image restoration and enhancement is "a joy... provides the best results." (Cadalyt April 2007)

CopySmart (optional)

Simple to use but advanced professional scan to copy software with dedicated Colortrac printer driver support for market leading printers.

CopySmart gives high definition color scan and print productivity. Its color and paper management controls include quick and simple user ICC profiling, color adjustment, image cropping, paper economy and predictable copy sizing to ensure economic, professional quality color copies every time.

ISIS driver

Industry standard ISIS driver available for enterprise EDM systems.

CLASP software (optional)

(Colortrac Approved Software Products). Third party software from leading independent software vendors.

URS (Universal Repro Stand)

Creates a space-saving professional scan-to-copy system by combining a Cx 40 with any popular printer. The URS' many adjustable options create a comfortable workstation for optimum operator productivity.

There are three SmartLF Cx 40 high definition large format scanner models with performance levels and features optimized for different applications. If your requirements change, the m and c models can be upgraded at your premises quickly and easily using our simple scanner upgrade process via email.

● standard ○ optional - not supported

Feature	SmartLF Cx 40 wide format scanner model:	m	c	e
Maximum image width	40in (101.6cm) Image length: not limited by scanner	●	●	●
Maximum media width ¹	44in (111.8cm) Thickness: 0.08in (2mm)	●	●	●
Scan speeds ² in/sec	24-bit RGB color @ 200dpi ³ 8-bit grayscale & monochrome @ 200dpi ³	- 9.00	0.75 9.00	3.00 9.00
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 color RGB (24-bit) 256 & 16 color RGB adaptive indexed color palette (8-bit & 4-bit) ⁶ 256 level grayscale (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 Normalization Application (DNA) with 16-bit super sampling	● ● ●	● ● ●	● ● ●
Color space	Normalized / linearized RAW RGB	-	●	●
Color 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 tires Dual, belt driven pressure rollers for active media control during scans 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 primary point color image capture 16-bit primary point grayscale 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 fiber optic rod lens with 1:1 object sensor magnification	●	●	●
User status & one touch operation	Side mounted LCD scanner control panel provides easy walk up operation and user selection of scanner mode with stop, forward, rewind, scan & copy buttons	●	●	●
Magnetic Paper Guide	Movable magnetic paper guide for faster, more efficient paper loading	●	●	●
Scanner maintenance and user replaceable parts	Customer installable, plug 'n' play scanner Precision media calibration with DNA 16-bit super sampled data Automatic digital stitch adjustment / Easy access for cleaning 5 x chemically treated, scratch resistant scan glass, each 22 x 228mm	● ● ● ●	● ● ● ●	● ● ● ●
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)	USB 2.0 / 2m USB 2.0 cable / local power cable / rear media supports Windows Image Acquisition (WIA) / Still Image Interface (STI) ⁶	● ●	● ●	● ●
Dimensions & weight	54.8in wide x 6.7in high x 13.0in deep (140 x 17 x 33cm) 73Lbs (33kg)	●	●	●
Power requirements & consumption	Internal power supply 100~240VAC autosensing +/-10%, 50~60Hz Scanner power consumption 27Wh (scanning) 17Wh (standby)	●	●	●
Environmental impact	RoHS compliant	●	●	●
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 color matching	○	○	○
EDC software	ISIS™ driver ~ connect seamlessly to EDM systems & database	○	○	○
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) URS (Universal Repro Stand) with PC & LCD monitor mounting kit (supplied) 4 x adjustable scanner height settings; adjustable monitor arm and screen angle 47.2 wide x 56.3in high (incl. scanner) x 37.3in deep (120 x 143.1 x 94.8cm) 99Lbs (45kg); max permissible printer height 45.5in (115.5cm) Document Return Guide (for faster, more efficient collection; for use with URS) Document Carrier Sheets ~ Arch D / A1 & Arch E / A0 sizes with black or white backing	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○	○ ○ ○ ○ ○ ○ ○ ○ ○ ○

[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 may be limited by the effective bandwidth of the USB2 if 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 achieved scan accuracy may vary depending on the operating environment and the type & thickness of media.] [5 The maximum resolution & size selectable for an image is limited by the file format specified, the available disk space & the computer operating system.] [6 16 color RGB (4-bit) adaptive indexed palette images are a feature of the optional Colortrac ScanWorks software.] [For Colortrac's recommended minimum PC specification go to: www.colortrac.com/support/system_requirements.html] [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 SmartLF® are trademarks of Colortrac Ltd. All other trademarks are the property of their respective owners. Copyright © 2010 Colortrac Ltd.

Colortrac SmartLF wide format scanners are designed and manufactured by Colortrac Ltd.