



SmartLF Ci 24 on narrow shelf against wall.

Ideal for A1 / D-size or smaller AEC and CAD technical drawings and site plans, GIS maps, office documents and graphics, etc.

The SmartLF Ci 24's unique front exit paper path lets it stand flush against walls or sit on shelves, maximizing your use of space in offices too small for bigger, rear exit scanners.

The super small **SmartLF Ci 24** technical document scanners are fast and affordable 24" wide ENERGY STAR qualified CIS desktop devices offering high quality image capture, 600 dpi optical resolution, Ethernet 1000 connectivity and instant-on, LED long-life illumination.

What are the benefits of Colortrac Ci 24 CIS scanning technology?

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

SmartLF Ci 24 wide format scanners use the latest CIS technology to provide valued performance benefits, including scan speed, image quality, resolution and low power consumption. Unlike all other scanners, its unique paper path returns documents to the front, allowing it to be placed against a wall, saving space.

The Ci 24 uses 600dpi CIS sensors with higher resolving power and geometric accuracy than CCD technology. Resolving power is how well a scanner sees thin lines and edges; geometric accuracy is a measure of the spatial accuracy of the image against the original document.

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 Ci 24'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 new SmartLF Ci 24 series provides exceptional monochrome performance with very sharp, clean black & white images; excellent grayscale reproduction; and attractive color copying at high scan speeds suitable for all your needs.

Scanner accessories

Floor stand

Minimizes the installed footprint of the scanner and positions the document feed at a comfortable and convenient height for most users to work at.

Paper catch basket

For floor stand. A handy repository for documents after they are removed from the front of the scanner.

PC / flat screen mounting

For floor stand. Combines a SmartLF scanner with a PC, screen and keyboard to create a self-contained and practical scanning workstation.



SmartLF Ci 24 with floor stand and paper catch basket



Software

SmartLF All-in-One (included)

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." (Cadalyst 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.



The Ci 24 is a shorter version of the wider Ci 40 which was rated "OUTSTANDING" and awarded 4½ Stars by BERTL, the most any large format scanner has received.



There are three SmartLF Ci 24 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 Ci 24 wide format scanner model:	m	c	e
Maximum image width	24in (60.96cm) Image length: not limited by scanner	●	●	●
Maximum media width	25in (63.5cm) Thickness: 0.012in (0.3mm / 280gsm)	●	●	●
Scan speeds ¹ in/sec	24-bit RGB color @ 200dpi ² 8-bit grayscale & monochrome @ 200dpi ²	- 10.00	1.67 10.00	3.33 10.00
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 color RGB (24-bit) 256 & 16 color RGB adaptive indexed color palette (8-bit & 4-bit) ⁵ 256 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 or sRGB	-	●	●
Color 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 center justification Automatic media size detection with reliable optical media sensors	● ● ● ●	● ● ● ●	● ● ● ●
All digital image sensor technology	3 x Contact Image Sensors (CIS) each with 5,000 pixels 48-bit RGB color image capture 16-bit grayscale image capture Panchromatic monochrome and black & white	● - ● ●	● ● ● ●	● ● ● ●
Light source (in CIS)	Dual, bi-directional extra long-life LED light system for optimum object illumination and instant-on scanning capability	●	●	●
Optics (in CIS)	Solid state fiber optic rod lens with 1:1 object sensor magnification	●	●	●
User status & one touch operation	Center 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 sampled data 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)	Ethernet 1000 (2m) & USB 2.0 (2m) data cables / local power cable Windows Image Acquisition (WIA) / Still Image Interface (STI) ⁷	● ●	● ●	● ●
Dimensions & weight	32.76in wide x 7.75in high x 10.6in deep (83.2 x 19.7 x 27cm) 36Lbs (16.3kg)	●	●	●
Power requirements & consumption	External power supply 100~250VAC autosensing +/-10%, 50~60Hz Scanner power consumption 40Wh (scanning) 4.2Wh (standby)	●	●	●
Environmental impact	ENERGY STAR and 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 & databases	○	○	○
Scanner accessories	Floor Stand with Catch Basket 32.3in high x 21.7in deep (82 x 55cm) 25Lbs (11.2kg) PC & Flat screen mounting kit (floor stand is required)	○ ○	○ ○	○ ○

[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 may be limited by the effective bandwidth of the USB2 or ethernet if 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.] [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 color RGB (4-bit) adaptive indexed palette images are a feature of the optional Colortrac ScanWorks software.] [6 Languages supported: Arabic, Chinese (Traditional), English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish.] [7 Microsoft WIA / STI is specified for the USB interface only.] [For Colortrac's recommended minimum PC specification go to: www.colortrac.com/support/system_requirements.html] [Colortrac SmartLF Ci 24 scanners 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 © 2009 Colortrac Ltd.

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