

SmartLF SC 42

INNOVATION IN WIDE FORMAT SCANNERS AND SOFTWARE



Wide Format Scanner for
SuperSpeed Technical
Imaging and Graphics

SUITABLE FOR:
TECHNICAL & CAD DRAWING OFFICES,
PROFESSIONAL SCANNING & COPY SERVICES
FOR ARCHITECTS, ENGINEERS, CONSTRUCTION,
GEOGRAPHIC & MAPPING PROJECTS

The Colortrac SmartLF SC 42 is a robust and reliable high volume production scanner whose efficient operation, image quality, scanning speed and practical software gets more documents scanned to the highest quality every hour.

The 42" image width is ideally suited to the demanding and difficult volume scanning needs of AEC, CAD, Mapping, GIS and Service Bureau professionals.

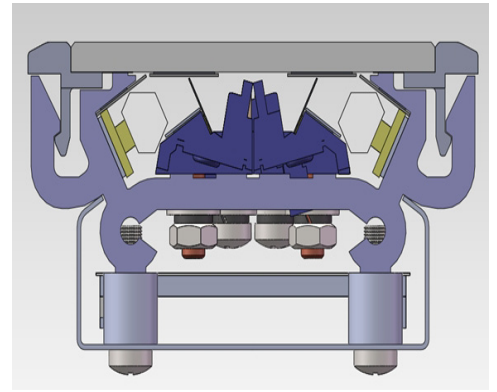


Key Features

HIGH VOLUME PRODUCTION SCANNER

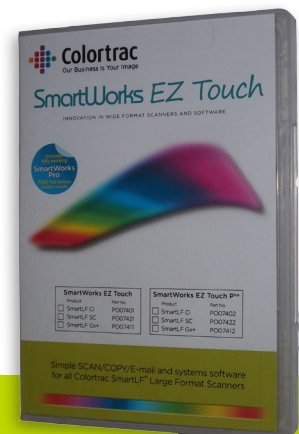
- ❑ **NEW SingleSensor** digital imaging technology providing 1200dpi optical with 9600dpi maximum scanning resolution
- ❑ **NEW SuperSpeed USB 3.0** interface providing 5Gb/sec data transfer which is a factor of TEN times improvement over USB2
- ❑ **NEW SmartWorks EZ Touch** software provided with scanner and includes full touch-screen optimized SCAN, COPY and E-mail functions
- ❑ **NEW SmartWorks EZ Touch Plus** - optional software adds superior image manipulation and sharing facilities over standard EZ Touch
- ❑ **NEW Superior Document Handling** with wider staging area when loading and reliable paper feed with advanced Single Driven Hold-up Roller giving even feed across scan width
- ❑ 42" image width suits oversized A0, B0, E and ARCH E size scans and more - suits ALL technical documents
- ❑ High speed scanning at up to 13 inches/sec in monochrome, gray scale and color - giving sharp, fine image detail
- ❑ Bi-directional LED lighting for optimum object illumination and instant-on scanning
- ❑ On-site upgrade from monochrome to color or express color - for a clear growth path as you expand

The **SingleSensor** is a single full width 42 inch array of Contact Imaging Sensors (CIS) that are housed in a robust structure and pre-aligned, giving higher optical quality and improved match between sensors. The **SingleSensor** has 50,400 pixels giving it an optical resolution of 1200dpi and a maximum scanning resolution of 9600dpi.



It also uses a **bi-directional LED lighting system** that optimizes the illumination of the scan object whilst giving an **Instant-on** response. This lowers power consumption as the lights are only on whilst scanning and eliminates the effects of shaded areas caused by creases or folds in the original documents.

The **SuperSpeed USB3** digital interface gives the SmartLF SC 42 very high speed data transfer of up to 5Gb/sec making everyday batch scanning tasks now even more efficient and more productive.



SmartWorks EZ Touch software.

Because you need large format scanning solutions that work for you:

The SmartLF SC42 is available in three affordable and uniquely upgradable models. Start with a monochrome solution and then upgrade to color later on.

We also include the straightforward **SmartWorks EZ Touch** SCAN/COPY/E-mail software which runs with either touch-screen* or keyboard / mouse modes - switch between them any time you like!

The optional **SmartWorks EZ Touch Plus** adds further image manipulation to your finger

tips and combines wide format scanning and copying in one very easy to use program with full compatibility for many wide format printers through standard Windows drivers.

The new **SmartWorks Pro** SCAN & COPY software is an optional professional application providing more advanced control over all aspects of the scanning and copying processes.

The **SmartWorks Pro** evaluation software may be freely downloaded from:-
www.colortrac.com

* Requires proprietary touch screen driver (for Windows 7 or Windows Vista) and a touch sensitive monitor.

Specifications

	SC 42m	SC 42c	SC 42e
	Mono/Grayscale	+Color	+Express Color
Upgradable	m c m e	c e	n/a
Optical Resolution	1200 dpi	1200 dpi	1200 dpi
Extended Resolution ⁵	9600 dpi	9600 dpi	9600 dpi
Max Scan Width	42" (106.7 cm)	42" (106.7 cm)	42" (106.7 cm)
Max Media Width / Thickness	44" (111.7 cm) / 0.08" (2.0 mm) ¹	44" (111.7 cm) / 0.08" (2.0 mm) ¹	44" (111.7 cm) / 0.08" (2.0 mm) ¹
Scan Accuracy	+/-0.1% +/-1 pixel	+/-0.1% +/-1 pixel	+/-0.1% +/-1 pixel
Imaging Technology	New SingleSensor ⁶ digital imaging technology is a Colortrac patented invention that combines CIS elements in a single line array with a full width straight line image sensor of 50,400 pixels. Bi-directional long-life LED lighting system for optimum object illumination and Instant-On scanning. Unlike fluorescent tubes, LEDs have no warm-up time and only illuminate when scanning. They have an estimated working-life of 50,000 hours or over 5 years continuous scanning.		
Data Capture (color/grayscale)	16-bit	48-bit / 16-bit	48-bit / 16-bit
Color Space	n/a	Raw RGB from scanner sRGB using SmartWorks EZ Touch Profiled RGB from optional SmartWorks Pro	Raw RGB from scanner sRGB using SmartWorks EZ Touch Profiled RGB from optional SmartWorks Pro
Scan Speed ² - 8-bit grayscale & mono (in/sec) @200dpi ³	13.00	13.00	13.00
Scan Speed ² - 24-bit color (in/sec) @200dpi ³	n/a	3.00	6.00
Paper Path	Face-up, front entry, rear exit or rewind to front		
Interface	SuperSpeed USB 3.0 with upto 5Gb/sec transfer rate (using maximum 3m length cable)		
Power Requirements	External power supply 100-240VAC auto-sensing +/-10%, 50-60Hz Scanner power consumption: < 53W (scanning) / 5W (standby)		
Weight & Dimensions (WxHxD)	58.4 lbs (26.5 kg) 51.2" x 6.0" x 15" (130 x 15.2 x 38.1 cm)		
Host Platform	Windows XP ⁸ , Windows Vista, Windows 7 - 32-bit and 64-bit architectures		
Certifications	CB, CE, CCC, FCC, UL, RoHS compliant and ENERGY STAR qualified		
Included Software ⁷	SmartWorks EZ Touch - Touch Screen SCAN/COPY/E-MAIL software - supports TIFF, JPEG & PDF		
Optional Software ⁷	SmartWorks EZ Touch Plus - Touch Screen SCAN & COPY software adds image edit features & user adjustable document presets SmartWorks Pro - SCAN & COPY software - industry leading, professional scanning and color-copying software		
Accessories	Floor Stand - includes Paper Catch Basket plus optional PC, Monitor, Keyboard and Mouse mounting kit. Repro Stand - adjustable height to fit most popular Large Format printers. Includes Keyboard tray, PC & Flat screen monitor mounting kit.		

Notes:
1 - Thicker documents upto 2mm must be flexible. Colortrac does not guarantee quoted speeds for thicker media. Thicker media should be scanned at reduced speeds to obtain optimal image quality. **2** - The scan rate is proportional across the full range of resolutions supported by the scanner. Actual scan times and quoted top speeds will depend on the host performance and are not guaranteed for all media types. **3** - True 200 x 200dpi image capture. Competitors quote scan speeds using 'Turbo', 'Normal' or 'High Speed' modes that reduce image quality whilst suggesting that scan resolution is doubled. These modes use software interpolation to create 'virtual image pixels' from a lower resolution scan thereby increasing the number of pixels in the scan direction (&/or X-direction) in an attempt to simulate higher image resolution. Colortrac SmartLF scanners are designed to scan images fast at the optimum resolution required to capture the original image detail without compromising quality. **4** - The achieved scan accuracy may vary depending on the operating environment and the type & thickness of media. **5** - The maximum resolution & size (width & length) selectable for an image is limited by the file format specified, the available disk space and the computer operating system. SmartWorks EZ Touch maximum image length is 96" (2438mm). **6** - The SingleSensor is color calibrated and accurately aligned to within +/- 0.5 pixel during manufacture. If the scanner is used in a stable, general office environment, scanner calibration and / or alignment may only occasionally be required. Operation in mobile, dusty or variable temperature environments may require more frequent scanner maintenance. **7** - SmartWorks EZ Touch & SmartWorks EZ Touch PLUS support PC monitors of 15" to 23" with minimum height resolution of 800 pixels or better. It is a 'full time, full screen' application. **8** - USB3 is not available with Windows XP computers. SC 42 with XP must be connected via USB2. The scanner may need to be slowed down for high scan resolutions and/or wider documents. No extra interface cable is required. This is a limitation of Windows XP.

For full details of host system requirements please go to: <http://www.colortrac.com/>
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