Colortrac SmartLF SC 42 Large Format Scanners

There are three SmartLF SC 42 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 at your premises quickly and easily using our simple scanner upgrade process via email.

SmartLF SC 42 Wide Format Scanner Model:		m	c	e
Maximum image width	42in (106.7cm) Image length: not limited by scanner	•	•	•
Maximum media width	44in (117.6m) Thickness: 0.08in (2mm)[1]	•	•	•
Scan speeds[2] in/sec	24-bit RGB colour @ 200dpi[3]	-	3.00	6.00
	8-bit greyscale & monochrome @ 200dpi[3]	13.00	13.00	13.00
Scan accuracy[4]	+/-0.1% +/-1 pixel	•	•	•
Optical resolution	Dots per inch (dpi)	1200	1200	1200
Extended resolution[5]	Linear interpolation from 100 to 9600dpi in 1 dpi steps	9600	9600	9600
Scan modes	16.7 million colour RGB (24-bit)	-	•	•
	256 colour RGB adaptive indexed colour palette (8-bit)	-	•	•
	256 level greyscale (8-bit)	•	•	•
	Black & White (1-bit)	•	•	•
Digital image processing	2D Intelligent Adaptive Thresholding (IAT) (1-bit mode)	•	•	•
	Fixed Threshold Black & White (1-bit mode)	•	•	•
	Colortrac software options provide a comprehensive range of 'post scan' image processing filters and tools			
Colour space	RAW RGB from scanner and sRGB (SmartWorks EZ Touch)	-	•	•
	Profiled RGB (SmartWorks Pro option req'd)	-	o	o
Colour image processing	Gamma, brightness, black & white point adjustment	-	•	•
Media transport system	Straight media path with front entry, rear exit or rewind to front	•	•	•
	Single driven document hold-up roller	•	•	•
	Intuitive image up scanning with centre or side document alignment	•	•	•
	Magnetic media guide to assist in high volume document scanning workflows	•	•	•
	Automatic Size Finder (ASF) with media width displayed on control panel	•	•	•
SingleSensor digital imaging technology	SingleSensor is a full width straight-line contact image sensor of 50,400 pixels; a Colortrac invention - patent pending. Bi-directional long-life LED light system for optimum object illumination and instant-on scanning capability	•	•	•
	48-bit primary point colour image capture	-	•	•
	16-bit primary point greyscale image capture	•	•	•
	Panchromatic Black & White	•	•	•
Scanner operation & status	Centre-lid mounted control panel with LCD media width display (see ASF) with start, stop, forward and rewind buttons	•	•	•
	Scanner status indicator LED (green, amber, red)	•	•	•
Scanner installation & operator maintenance	Customer installable, plug & play scanner	•	•	•
	Automatic SingleSensor calibration[6]	•	•	•
	Chemically treated, scratch resistant, anti-Newton ring (AG) scan glass	•	•	•
SmartWorks EZ Touch software (included)[7]	Simple, intuitive user interface designed for touch screen operation	•	•	•
	Scan-to-file / copy / email / print / USB thumb drive	•	•	•
	Real-time image view and adjustment (brightness, crop, batch, 2D thresholding, predefined document presets)	•	•	•
	Drivers, TIFF, JPEG, PDF file formats (TIFF max file size 4GB)	•	•	•
Interface	SuperSpeed USB3 (5Gb/s) with 3 metre USB3 cable (PC connector compatible with USB2 and USB3 sockets)	•	•	•
	Local power cable	•	•	•
Dimensions & weight	Scanner 51.2in wide x 6in high x 15in deep (130 x 15.2 x 38.1cm) 58.4Lbs (26.5kg)	•	•	•
	Packaging 56.8in wide x 9.3in high x 20.1in deep (144.2 x 23.6 x 51.1cm) 68.3Lbs (31kg)			
Power requirements & consumption	External power supply 100~240VAC autosensing +/-10%, 50~60Hz	•	•	•
	Scanner power consumption 53W (scanning) 5W (standby)			
Environmental/Approvals	ENERGY STAR qualified and RoHS compliant. CB, CE, CCC, FCC, UL cert	•	•	•
Operating conditions	10°C – 35°C, 35% - 80% RH non-condensing	•	•	•
SmartWorks EZ Touch PLUS software[8]	SmartWorks EZ Touch with additional features:- User adjustable document presets Image deskew and rotate Image sharpening, invert, mirror USB thumb drive access control (memory device not included)	o	o	o
SmartWorks Pro software	3 product versions SCAN / COPIER / SCAN & COPY ~ professional solutions for best in class image restoration, scan productivity & hi-fidelity copy quality. Fully colour-managed scan, view & copy system	o	o	o

Scanner accessories	**Floor Stand E-size/A0 Scanners** – scanner floor stand with media catch basket 39.7in wide x 32.4in high x 23.6in deep (101 x 82.3 x 60cm) 28.2Lbs (12.8kg)	o	o	o
	Floor Stand PC Mounting Option – PC (side attached) and flat screen mounting kit for scanner floor stand	o	o	o
	Repro Stand E-size/A0 Scanners – height adjustable to fit with most popular LF printers, includes keyboard tray, flat screen mounting kit & PC support tray. 72.6in wide x 55in high (MAX incl. scanner) x 34in deep (184.5 x 139.7 x 86.4cm) 62.2Lbs (28.2kg)	o	o	o
	Paper Return Guide (42inch) – curved fitment to redirect flexible scanned documents forward to operator. Can be lifted off when not required or for scanning thick or non-flexible media.	o	o	o

• standard   o optional   - not supported

[1 Thick documents up to 2mm must be flexible and the paper return guide removed. Some media should be scanned at reduced speeds to obtain optimal image quality. Colortrac cannot guarantee to scan all media. For large media Colortrac recommend the scanner be placed on a flat surface and the operator supports the document as it enters and exits the scanner.]

[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 system 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 (and/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 selectable for an image is limited by the file format specified, the available disk space and the computer operating system.]

[6 The SingleSensor is colour 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. SmartWorks EZ Touch is a 'full time, full screen' application.]

[8 SmartWorks EZ Touch Plus is a cost option upgrade]

[Colortrac recommended minimum PC specifications can be viewed at: www.colortrac.com/support/system_requirements.htm]

Colortrac SmartLF large format scanners are designed and manufactured by Colortrac Ltd, the leading innovators in wide format scanners and software.