

# SmartLF SC 42

INNOVATION IN WIDE FORMAT SCANNERS AND SOFTWARE



Wide Format Scanner  
for Technical Imaging and  
Color Graphics with  
SuperSpeed USB3



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

# Specifications

|  | <b>SC 42m</b>   | <b>SC 42c</b>  | <b>SC 42e</b>  |
|--|---|--|--|
|  | Mono/Grayscale  | +Color   | +Express Color   |
| Upgradable   | m → c<br>m → e  | c → e  | n/a  |
| Optical Resolution   | 1200 dpi  | 1200 dpi   | 1200 dpi   |
| Extended Resolution <sup>5</sup>   | 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) <sup>1</sup>  | 44" (111.7 cm) / 0.08" (2.0 mm) <sup>1</sup>   | 44" (111.7 cm) / 0.08" (2.0 mm) <sup>1</sup>   |
| Scan Accuracy  | +/-0.1% +/-1 pixel  | +/-0.1% +/-1 pixel   | +/-0.1% +/-1 pixel   |
| Imaging Technology   | New <b>SingleSensor</b> <sup>6</sup> digital imaging technology is a Colortrac invention that combines CIS technology 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<br>sRGB using SmartWorks EZ Touch<br>Profiled RGB from optional<br>SmartWorks Pro | Raw RGB from scanner<br>sRGB using SmartWorks EZ Touch<br>Profiled RGB from optional<br>SmartWorks Pro |
| Scan Speed <sup>2</sup> - 8-bit grayscale & mono (in/sec) @200dpi <sup>3</sup> | 13.00   | 13.00  | 13.00  |
| Scan Speed <sup>2</sup> - 24-bit color (in/sec) @200dpi <sup>3</sup>           | n/a   | 3.00   | 6.00   |
| Paper Path   | Face-up, front entry, rear exit or rewind to front  |  |  |
| Interface  | <b>SuperSpeed USB 3.0</b> with upto 5Gb/sec transfer rate (using maximum 3m length cable)   |  |  |
| Power Requirements   | External power supply 100-240VAC auto-sensing +/-10%, 50-60Hz<br>Scanner power consumption: < 53W (scanning) / 5W (standby)   |  |  |
| Operating Conditions   | 10°C - 35°C, 35% - 80% Relative Humidity non-condensing   |  |  |
| 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 8, Windows 7, Windows Vista, Windows XP <sup>8</sup> - 32-bit and 64-bit architectures  |  |  |
| Certifications   | CB, CE, CCC, FCC, UL, RoHS compliant and ENERGY STAR qualified  |  |  |
| Included Software <sup>7</sup>   | <b>SmartWorks EZ Touch</b> - Touch Screen SCAN/COPY/E-MAIL software - supports TIFF, JPEG & PDF, ISIS driver  |  |  |
| Optional Software <sup>7</sup>   | <b>SmartWorks EZ Touch Plus</b> - Touch Screen SCAN & COPY software adds image edit features & user adjustable document presets<br><b>SmartWorks Pro</b> - 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.<br>Repro Stand - adjustable height to fit most popular Large Format printers. Includes Keyboard tray, PC & Flat screen monitor mounting kit. Optional Document Return Guide for front-feed, front-return capability.  |  |  |

**Notes:**  
**1** - Thick documents up to 2mm must be flexible. Colortrac does not guarantee quoted speeds for thick media. Thick media should be scanned at reduced speeds to obtain optimal image quality. For heavy and/or thick materials the operator may need to support the document as it enters and exits the scanner. For larger sizes of heavy and/or thick media Colortrac recommend the scanner be placed first on a flat surface and the operator supports the document as it enters and exits the scanner. Colortrac recommends the Paper Return Guide be removed when using heavy and/or thick media in 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 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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