

SmartLF-SG 44



High quality, large format stand-alone scanning solutions

Sharp and accurate with superb colour, the SmartLF-SG Series of wide format scanners are perfect for the faithful reproduction of the vibrant, accurate colours needed by graphics professionals as well as fast technical imaging.



Floor Stand and Return Guides are options. PC Mount Kit, Repro Stand (height adjustable) and other accessories are available.

Superb quality

- CCD technology used in professional quality cameras
- Superior colour imaging with wide colour gamut and a high dynamic range
- Market-leading 1200 dpi optical resolution
- Vibrant, accurate colours for graphics professionals
- Sharply defined line detail on technical documents and maps

High productivity

- Fast scanning up to 13 inches per second (mono) and 8 inches per second (colour) at 200dpi
- No warm up or waiting time required with innovative LED lighting system
- Magnetic document guide for easier, more reliable and skew-free loading in high volume environments
- Minimal service and calibration requirements for uninterrupted operation
- 2GB of on-board scan data memory ensures smooth progress of documents through the scanner

Versatile media handling

- Scan documents up to 15mm thick with ease
- Scan images mounted on materials like foam-based boards without sacrificing quality

Quick and easy installation and upgrading

- Plug and play set up: simply plug the scanner into your PC via USB2 or USB3
- No specialist support from IT required.
- Network ready with a gigabit Ethernet connection

Excellent sustainability

- ENERGY STAR® qualified for energy efficient scanning
- Built with the environment in mind using recyclable components
- Optimised for quiet operation to minimise disturbance in shared environments

Specifications

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There are two SmartLF SG high definition large format scanner models with performance levels and features optimised for different applications.

	44" models
Express Colour	SG 44 e
Colour	SG 44 c

PRINTER MODEL	SG 44c	SG 44e	
Maximum Scan Width	44in (111.8 cm)	44in (111.8 cm)	Paper Path Face-down, Front entry, Rear exit, Side load
Maximum Media Width		46in (116.9 cm)	Interface USB 3.0 data transfer rates up to 85MB/sec. Optimised USB2 transfer rates up to 35MB/sec. Gigabit Ethernet network-ready. 2m long USB2/USB3 and Gigabit Ethernet cables supplied
Max Media Thickness		0.6in (15mm)	Power requirements and consumption External power supply 100-240VAC autosensing +/-10%, 50-60Hz Scanner power consumption 72W (scanning) / 2.5W (standby) 10°C - 35°C, 35% - 80% Relative Humidity non-condensing
Extended Resolution	Linear interpolation from 100 to 9600dpi in 1 dpi steps		Operating conditions
Optical Resolution	1200 dpi		Weight & Dimensions (WxHxD) Scanner: 112 lbs (51 kg) / 56 x 8 x 18 inches (143 x 21 x 45 cm) Packed: 123 lbs (56 kg) / 62 x 12 x 22 inches (157 x 31 x 57 cm)
Imaging Technology	6 x CCDs each with red, green, blue and gray sensor lines. 48-bit color image capture, 16-bit grayscale image capture, black & white (panchromatic full spectrum)		Host Platform Windows 8, Windows 7, Windows Vista - 32-bit and 64-bit architectures
Light Source	2D long-life ClearView white LED light illumination system for optimum object illumination and instant-on scan availability		Certifications ENERGY STAR Qualified, UL/cUL, FCC, CB, CE, C-TICK, VCCI, PCT/EAC, CCC, RoHS
Optics	6 x micro lens with integral infra-red filter		SmartWorks Pro scanning software (optional) Professional-level scan & copy software. Fully color-managed scan environment for ultimate color fidelity. Save to TIFF, multi-page TIFF, JPEG, PDF, multi-page PDF, PNG, AutoCAD DWF, BMP and PCX file formats. Adjustable filters for in-line scan processing or build your own interactively. Internal and Windows printer drivers.
Scan Accuracy	+/-0.1% +/-1 pixel		TWAIN (included) A Twain driver is included which provides basic control over scanner color mode, resolution and paper size setting. A compatible application is required - see web site for details.
Max Image Length (Not limited by scanner)	The maximum resolution & size (width & length) for a SmartWorks Pro image is limited by the file format specified, the available disk space and the computer operating system.		Accessories Floor Stand with included Paper Catch Basket - 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 - Document Return Guide for front-feed, front-return capability
Data Capture (color/grayscale)	48-bit / 16-bit		
Color Space	Adobe RGB, Profiled RGB, sRGB and RAW RGB		
Scan Speed - 8-bit grayscale & mono (in/sec) @200dpi	13	13	
Scan Speed - 24-bit color (in/sec) @200dpi	4	8	

Colortrac CCD Key Technologies:

- LED illumination: long life, low energy and instant-on
- High speed Ethernet and USB3 interface: maintain high speed at high dpi - get more done
- Fast 8 ips color scan speed: high productivity
- Manual thick media system: fast, mechanically simple, low maintenance - quick and easy to use
- ScanOnce: Efficient scanning and copying workflow
- FireFly: SuperSpeed USB3
- SureDrive: Single driven media pressure roller
- ClearView: Innovative Dual LED lighting
- WinSync: Optimised Windows driver technology

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