ACTion Imaging Solutions • Colortrac
Our Business is Your Image

Colortrac Series

A Versatile range of High Performance Colour & Monochrome Solutions for Professional Digital Imaging Services, Corporates & Copy Shops

Colortrac Series Scanners are designed to provide a flexible range of formats and quality options to meet the needs of the target application. Each scanner benefits from specialised scanning technology developed by ACTion Imaging Solutions to create competitive advantages for its customers. This innovative technology is delivered in modular solutions incorporating software, mechanical design, optics, firmware and advanced digital image processing electronics.

Formats and Resolutions. The Colortrac scanners are available in a range of four carefully selected scan widths, handle originals up to 12mm thick and, with three basic resolution options, provide the best performance and quality for the application.

36"/400 dpi: General A0/E graphics imaging and copying applications
36"/800 dpi: A0/E basic GIS & CAD scanning, archiving & graphics copying
42"/800 dpi: B0 basic GIS & CAD scanning, archiving & graphics copying
48"/600 dpi: A0/E landscape format, general graphics imaging & copying
54"/800 dpi: A0/E landscape, professional imaging services & LF copying

Open scan aperture. Colour CCD scanners are very sensitive optical devices. This can lead to problems when originals deposit dirt on a scan glass (at the camera focus), through which other scanners analyse the image. Acting directly on customer feedback, Colortrac developed a sophisticated glass-less media path to ensure high quality, 'streak' free, copies & scans that save end users time, money and reduce media waste. Any dust entering the open aperture, is outside the focus and not seen by the CCD cameras.

Automatic camera alignment (AutoStitch). Colortrac scanners have a fully automatic digital CCD alignment tool that enables users to perform camera to camera stitching as a simple software operation. There is no need to remove panels or to get your screwdriver out to align cameras. Once the alignment is set, ACTion Imaging's pivoted, three point mounted chassis and optics ensures that it stays SET, and stable, even when the scanner is moved or re-located within the premises.

Ultra wide 40 MB/s SCSI interface ensures that, given a fast enough PC and hard disk system, you can ACHIEVE the specified scanning speeds. Even if you don't need to with todays' printer speed, your investment is protected with the performance to spare for tomorrows PC and printer developments.

Colour calibration. All scanners use 36-bit Primary Point Digital data capture to analyse the image between automatically set 'dark' and 'light' levels. The colour data is sent to the application s/w in its raw form with no calibration scheme imposed that can limit the range of colours available from the scanner. Colour profiles are supplied with the scanners that enable colour management systems to process the data accurately and specifically for the rendering device selected, thus ensuring the best possible colour reproduction.

SIMPLE USER INTERFACE
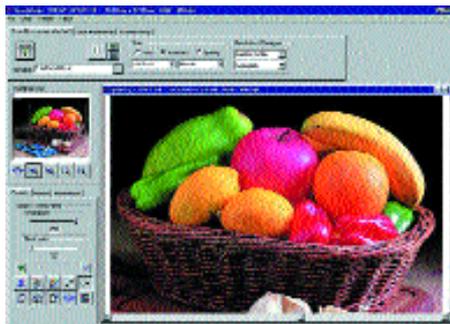
ScanWorks Digital Scanning Software

Intuitive viewing & editing
   ▸ Works the way you like to work
Batch scanning with Presets
    ▸ Automatic setup & consistent quality
Scan once, edit many, archive
    ▸ Maximum workflow efficiency

INDIVIDUAL INDUSTRY SOLUTIONS

www.action-imaging.com
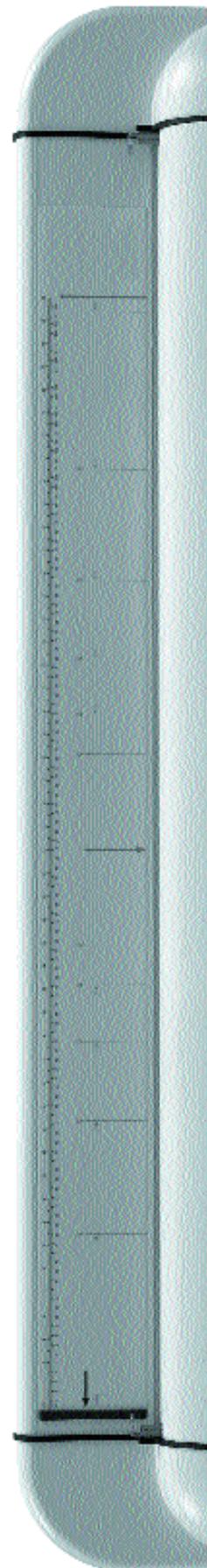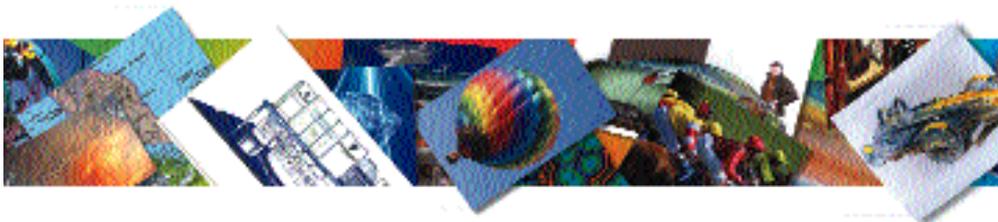
Colortrac 5480 / 4860 / 4280 / 3680 / 3640 - Technical Specifications

	5480	4860	4280	3680	3640
Scan Rates*	@200 dpi	@200 dpi	@200 dpi	@200 dpi	@200 dpi
~ colour	1.5"/s, 3.81cm/s	1.33"/s, 3.38cm/s	1.5"/s, 3.81cm/s	2.0"/s, 5.08cm/s	2.0"/s, 5.08cm/s
~ greyscale (R2GB)	1.5"/s, 3.81cm/s	1.33"/s, 3.38cm/s	1.5"/s, 3.81cm/s	2.0"/s, 5.08cm/s	2.0"/s, 5.08cm/s
~ greyscale (Greenscale)	4.5"/s, 11.43cm/s	4.0"/s, 10.16cm/s	4.5"/s, 11.43cm/s	6.0"/s, 15.24cm/s	6.0"/s, 15.24cm/s
~ black & white	4.5"/s, 11.43cm/s	4.0"/s, 10.16cm/s	4.5"/s, 11.43cm/s	6.0"/s, 15.24cm/s	6.0"/s, 15.24cm/s
Resolution					
~ optical	400 dpi	300 dpi	400 dpi	400 dpi	200 dpi
~ maximum	800 dpi	600 dpi	800 dpi	800 dpi	400 dpi
~ selectable in 1 dpi steps	50 to 400 dpi	50 to 300 dpi	50 to 400 dpi	50 to 400 dpi	50 to 200 dpi
~ interpolated	600, 800 dpi	450, 600 dpi	600, 800 dpi	600, 800 dpi	300, 400 dpi
Active Scan Area	54", 137.2cm x unlimited	48", 121.9cm x unlimited	42", 106.7cm x unlimited	36", 91.4cm x unlimited	36", 91.4cm x unlimited
Maximum Document Width	55", 139.7cm	55", 139.7cm	43", 109.2cm	43", 109.2cm	43", 109.2cm
Imaging Technology	3 cameras	2 cameras	3 cameras	2 cameras	1 camera

	All models use tri-linear CCD cameras of 7,500 pixels width Open Aperture, glass less image path for streak free scanning 36-bit Primary Point Digital Data Capture Fully automatic digital camera Stitching (Front/Back & Left/Right) 3 - point isolated chassis and optics mountings
Scan Accuracy	+/- 0.1% plus a digitising rounding error of +/- 1 pixel
Media Handling	Maximum media thickness 0.47", 12mm, adjustable in 1mm steps / Twin pinch rollers
Document Type	Opaque or Translucent
Illumination & Optics	Twin colour balanced Daylight Blue tubes, Apochromatic Lenses
Colour & Image Processing	Gamma & Brightness, Automatic Light Level adjustment Black & White Point adjustment ICC colour device characterisation profile (sRGB) Downloadable Indexed Colour Paletting Image Sharpening Hardware DSP
Monochrome Thresholding	2D Intelligent Adaptive Thresholding Hardware DSP
Output Modes	24-bit RGB Colour / 256 & 16 Colour Optimised Palette 256 Level Greyscale (R2GB & Greenscale) / Black & White / Dithered Black & White
Interface	Ultra Wide SCSI upto 40 MB/s

Equipment	**5480 / 4860**	**4280 / 3680 / 3640**
~ dimensions	39" H x 67" W x 20" D 99cm x 170cm x 51cm	39" H x 56" W x 20" D 99cm x 142cm x 51cm
~ weight	143Lbs, 65Kgs	132Lbs, 60Kgs

~ operating environment	59 ~ 86 F, 15 ~ 30 C, 15 ~ 85 % RH, non-condensing
~ power requirements	90 ~ 250 VAC autosensing, 47 ~ 63 Hz, 250 VA

Colortrac Scanners Include ScanWorks, TWAIN (PC & MAC)

Options

Preditor, CopyWorks, ReproWorks, Unix Software, Media Support Tray

Minimum System Requirements

Pentium 400MHz Processor / 128MB RAM / 10GB Disk Space / 24-bit Graphics Display Card
SCSI Interface, 68 pin half pitch Dsub connector with thumbscrews
Windows™ 95 / 98 / 2000 / NT4.0 service pack 3

* The scan rate is proportional across the full range of resolutions supported by the scanner.
However, the actual scan times will depend on the host system performance.
Contact your local supplier for advice on the optimum system configuration for your application.