

# Colortrac Flatbed 24120

Large Format (24"x36") Flatbed Scanner with Exceptional Accuracy and 3600dpi resolution for scanning precious, irregular and rare documents.

Designed to meet original artwork requirements of the GIS, Antiquities Archive and fine art reproduction markets. The specification of the FB24120 provides the perfect solution for scanning and archiving precious, irregular and rare documents from original fine art to oversized prints with high precision and unmatched colour accuracy. Whether capturing the subtle detail of a watercolor, the depth of an oil painting or the detail of historic maps the Colortrac Flatbed gives excellent results everytime.

## WORDS FROM THE INDUSTRY

### Fine Art Reproduction

"The prints produced with the FB24120 are superior because they don't have a 'photographic' look to them. They are much sharper, less blurred at the edges and the colour and lighting are more consistent across the print. They look remarkably like the originals with all the brush strokes. Some people could easily mistake them for the real thing."

Dr Kenneth Wyatt, Kenneth Wyatt Galleries  
[www.kennethwyatt.com](http://www.kennethwyatt.com)  
[www.action-imaging.com/pdf/Kenneth\\_wyatt.pdf](http://www.action-imaging.com/pdf/Kenneth_wyatt.pdf)

### Archiving Fragile Documents

"This scanner has been critical in the overall success of the digitizing effort at the Geography and Map Division. Its precise image capture and overall technical stability has made it possible for us to supply beautiful and accurate copies of priceless originals to the public for the first time." \*

Gary Fitzpatrick, Library of Congress.

\*quotes for 200g model



## Included Software

### ScanWorks - Scanning Software



- |                               |   |   |
|-------------------------------|---|---|
| Intuitive viewing & editing   | 4 | Works the way <b>you</b> like to work       |
| Image Join                    | 4 | for merging oversize originals to one image |
| Scan once, edit many, archive | 4 | Maximum workflow efficiency                 |

#### Scanning

- Single Image or Batch file scanning with automatic original detection & scan
- Utilities for scanner calibration and fully automatic camera stitching
- ISO, American and Auto-size to original document

#### Image Filtering Tools

- Sharpen / Blur filters
- Noise Removal filters to reduce screen patterns etc.
- Gamma, brightness, contrast and black & white point adjustment
- De-skew to any angle, Rotate 90° CW & CCW
- Crop to selected area, Mirror about Y axis
- De-speckle with variable spot size
- Adaptive 2D and Fixed Thresholding for B&W

## CopyWorks - Copying Software



- |                         |   |                           |
|-------------------------|---|---------------------------|
| Single button operation | 4 | Anyone can operate it     |
| ICC profile control     | 4 | Industry standard colours |
| Preview & crop          | 4 | Increased user confidence |

#### Scanning

- Automatic selection of optimum scan resolution
- Colour photos, posters & prints, monochrome photos & greyscale, black & white drawings
- Image processing filters optimised for photographic, map or line art (text) originals
- ISO, American and Auto-size to original document

#### Viewing

- Pre-scan
- Zoom & crop
- Black & white points and brightness adjustment

#### Copying

- HP, Epson, Encad, Canon and other printers
- Control for printer quality mode and resolution
- Simultaneous copy and archive of scanned image 'on-the-fly'
- Scaling 1 - 500% and 1 - 20 copies
- Step & Repeat with adjustable margin & Mirror printing for back-lit or transfer media



OUR BUSINESS  
IS YOUR IMAGE

## FB24120 - Technical Specifications

## Software Options

	<b>FB24120</b>
Resolution (selectable in 1 dpi steps)	
~ optical	600
~ maximum	3600
Active Scan Area (inches / cm)	24 x 36 inches (DIN A1)
Scan Rates*	
~ colour inches per second @600dpi	0.22"/s
Imaging Technology	36-bit Primary Point Digital Data Capture tri linear CCD technology with APO chromatic lenses
Scan Accuracy	0.05% +/- 1 pixel **
Document Type	Opaque or Translucent
Illumination & Optics	Twin custom design cold cathode tubes
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
Monochrome Thresholding	2D Intelligent Adaptive Thresholding Hardware (IAT)
Output Modes	24-bit RGB Colour, 256 Level Greyscale (R2GB & Greenscale) / Black & White / Dithered Black & White
Interface	FireWire (400Mb/s), Ultra Wide SCSI (upto 40 MB/s)
~ dimensions (on stand)	60" L x 34" W x 38" H
~ 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, CopyWorks Plus, CopyWorks Profiler, BatchWorks, PC TWAIN , Firewire Card & Cable, Localised Power Cable.

### Options

Preditor, ACTION Indexing Software

### Minimum System Requirements

Pentium 1GHz Processor / 128MB RAM / 10GB Disk Space / 24-bit Graphics Display Card capable of displaying 24bit colour  
Firewire interface  
Windows™ 2000 / ME / XP

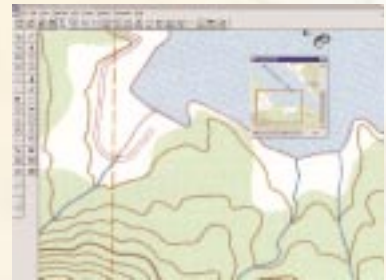
\* The scan rate is proportional across the full range of resolutions supported by the scanner.  
However, the actual scan times will depend on the host system performance.

Contact your local supplier for advice on the optimum system configuration for your application.

\*\*subject to installation by an authorised AIS service engineer.

### Preditor

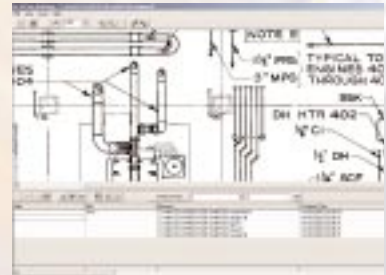
A professional raster editor specifically designed for high speed viewing and editing of large colour, greyscale and monochrome images, optimised for easy to use raster editing, image clean up and drawing functions.



Preditor Software

### ACTION Indexing Software

Making the capture of index data from scanned engineering drawings simple. Automatically displaying the title block so drawing information can be entered into the data window. Project information is stored in the common Microsoft Access 2000 format.



ACTION Indexing Software

Contact your Colortrac Dealer for pricing information.



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