

SCANNER

SCREEN



Desktop Color Scanner



# DT-S1030AI

# Desktop Convenience

- **Input formats**

The DT-S1030AI accommodates up to 10" x 12" transparencies and A4 letter size reflection copy.

- **Negative originals**

Negative transparencies may be scanned directly and converted to positive automatically – even in the pre-scan. This eliminates the need to prepare positive prints in many cases.

- **Removable drum**

The quick-mount removable drum system and off-line mounting stand\* maximize productivity by allowing one set of images to be scanned while another is being mounted.

- **Continuous scanning**

Batch scanning allows multiple originals to be input without operator intervention. Setups can be specified in advance for each original, and scanned images can be routed to different folders.

- **On-board processing**

Optical unsharp masking and on-the-fly conversion to CMYK produce better quality results and save processing time on the desktop system.



**Quick-mount removable drum system**

- **Operation from host**

The scanner is operated entirely from a Macintosh or Windows™ PC. An Adobe Photoshop™ plug-in provides full control of scan setup, as well as the ability to save setup data.

- **AI setup**

A Screen exclusive, this feature automatically determines highlight and shadow points and sets up the scanner for optimal results.

# ... Big Scanner Features ...

- **Zoom in pre-scan**

An enlarged monitor display makes it easy to set the scanning boundaries of small originals, such as 35 mm transparencies.

- **High resolution**

The DT-S1030AI has a resolution range of 100 - 5,200 dpi. This allows it to reduce copy to 33% or enlarge it up to 1,733%, even at an output resolution of 300 dpi and with a 150 line screen.

- **Photomultipliers**

As in high-end repro house scanners, photomultipliers are used for light detection. Capable of reading densities up to 3.9, they provide extraordinary dynamic range.



**Large original size (10" x 12")**



**Zoom in pre-scan**

- **Automatic aperture control**

The DT-S1030AI has seven aperture settings for transparencies and five for reflection copy. The correct aperture is selected automatically based on the original type and selected magnification.

- **High speed**

The drum spins at 300, 600 or 1,200 rpm, depending on the magnification. At 100% magnification and an output resolution setting of 300 dpi, DT-S1030AI can scan an A4-size original in two and half minutes flat !

# • Screen Quality !

- **One-pass scanning**

Separate photomultipliers read the red, green and blue light in a single pass, thereby ensuring perfect registration as well high productivity.

- **Optical USM**

A fourth photomultiplier provides optical unsharp masking (USM). This eliminates sharpening adjustments on the workstation and yields cleaner results.

- **Color models**

An onboard color computer produces CMYK output on the fly, eliminating time-consuming conversions on the workstation. Of course, RGB or gray scale output can be generated if desired.



**Original**

**AI Setup**

- **Integrated Color Removal**

The Screen ICR system replaces the CMY gray component in both neutral and color areas with a corresponding amount of process black. The advantages of using ICR include enhanced shadow detail and more stable grays. Other benefits include reduced ink consumption, quicker drying times and reduced ink trapping on the press.

- **Preset Color Extension Kit**

The DT-S1030AI offers a rich variety of tone curve and color masking presets. For tone curve, 16 channels are available for CMYK and eight for RGB. For color masking, there are 4 CMYK and eight RGB channels for transparencies, and another four CMYK and eight RGB channels for reflection originals.

- **File formats**

Image data can be saved in TIFF, EPSF or PICT; or, if the scanner is being operated by means of the Adobe Photoshop plug-in module, in any format supported by Adobe Photoshop.

- **Truly compact**

Despite its big scanner capabilities, the trim and attractively designed DT-S1030AI fits easily in any office environment.

\* Optional

# Everything you've been wanting in a desktop color scanner ....



Dainippon Screen scanners have long been acclaimed for their unsurpassed quality, productivity and reliability. Today, these Screen advantages are available in a midsize table-top drum scanner, the DT-S1030AI.

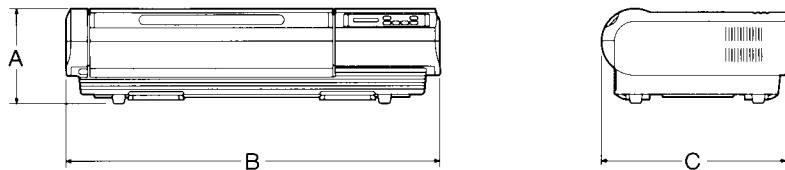
Like most scanners available for use in the desktop environment, the compact and affordable DT-S1030AI is designed expressly as an image acquisition peripheral for today's popular desktop computers and applications.

Unlike other desktop scanners, however, the DT-S1030AI provides a combination of quality, versatility and performance previously found only in large and costly repro house scanners.

The DT-S1030AI is the only scanner in its class equipped with Screen's exclusive AI Setup technology. This powerful artificial intelligence based software allows even inexperienced operators to get perfect scans on the first try. The DT-S1030AI is also capable of unattended batch scanning.

Screen's new DT-S1030AI is the midsize scanner the industry has been waiting for, and the clear choice for high volume, high quality, professional desktop prepress.

## Space Requirements



### Dimensions

	A	B	C
cm	23	90.5	45.5
inch	9.1	35.7	18

## Specifications

Original	Transparency and reflection
Effective original size	25.4 x 30.5 cm ( 10" x 12" )
Light sensor	Photomultiplier ( 4 channel with optical USM )
Light source	35W halogen lamp
Aperture	7 settings for transparencies, 5 for reflection copy ; automatic selection
Resolution	100 - 5,200 dpi
Scanning feed method	Spiral, stop-start capable
Image processing accuracy	10 bits per color
Output transfer method	Pixel interleave
Output mode	RGB 24 bits ; CMYK 32 bits ; gray 8 bits
Interface	SCSI
Drum speed	1,200, 600, 300 rpm ( automatically selected )
Weight	Approx. 45 kg ( 99 lbs. )
Power	1ø 95 - 120 V 0.18kW 2.1 A ( 11.8 A as the starting current ) 1ø 180 - 255 V 0.18 kW 1.0 A ( 5.9 A as the starting current )
Environment	23°C ±3° ( 73.5°F ±5° ), 50 - 70% RH
Recommended system	Macintosh® Quadra™ with at least 32 MB RAM

## Standard Accessories

- 1) Preset color extension kit
- 2) Negative scanning extension kit
- 3) ICR extension kit
- 4) Standalone driver software for Macintosh
- 5) DT-S Scan plug-in for Macintosh

## Optional Accessories

- 1) Spare scanning drum
- 2) Original mounting stand
- 3) DT-S Scan plug-in for MS-Windows
- 4) DT-S Preset

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### Professional Marketing Services, Inc.

4802 East Ray Road, Suite #2328  
 Phoenix, AZ 85044-6417  
 P: 480-940-5400 F: 480-940-5488  
 Email: pmsi@promarketinc.com  
 Web Site: www.promarketinc.com

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