

ArtixScan™ 4500t

High resolution, multi-format
color film scanner for
imaging professionals



A WIDER RANGE OF POSSIBILITIES THAN EVER BEFORE

THE EXCEPTIONAL DYNAMIC RANGE OF THIS SCANNER AND THE DEEPLY-LAYERED IMAGE CORRECTION TOOLS IN SCANWIZARD PRO, COMBINE TO GIVE IMAGING PROFESSIONALS THE ESSENTIAL DIGITAL IMAGING TOOL FOR THEIR STUDIO. NOW, THE FAINTEST DETAILS IN DARK OR HIGHLIGHT AREAS CAN BE DRAWN OUT FROM DARK OR OVEREXPOSED IMAGES AND FINESSED WITH THE CONTROLS IN SCANWIZARD PRO TO DELIVER FINAL SCANS THAT ARE REPRODUCIBLE FOR PRINTING OR ARCHIVAL-QUALITY PRINTS.

FEATURES

- True 42-bit Color Depth
- 2571 dpi Optical Resolution
- 3.9 Dmax
- Film holders for 35mm mounted and unmounted slides, 6cm x 6cm, 6cm x 7cm, 6cm x 8cm, 6cm x 9cm, 4" x 5" film and a glass holder for non-standard film
- ScanWizard™ Pro scanning software
- Kodak® Digital Science™ color management software and Kodak® Q60 transparency 4" x 5" target

MICROTEK
Better Images Through Innovation

SPECIFICATIONS

Scanner Type:

Single-pass RGB CCD

Originals Supported:

Positive or negative film from 35mm to 4" x 5"

Sensor Type:

Tri-linear RGB CCD, 10,000-elements/array

Illumination:

- Lamp: Cold cathode fluorescent.
- Lamp lifetime: 6000 continuous hours

Interface:

Full SCSI-2

Bit Depth:

- Color - 42 bit
- Grayscale - 12 bit
- Line Art - 1 bit

Sample Depth:

14 bits per color - 42 bit color

Dynamic Range:

3.9 Dmax

Data Transfer Rate:

2 Mbytes/second

Scanning Speed*:

- Preview speed 13 sec.
- 13 msec/line full color
- 77 sec. for 4" x 5" at 1000 dpi

* Scanning times may depend on user host specifications

Auto-Calibration:

Triple DSP w/software control

Max. Interpolated Resolution:

4000 dpi

Max. Optical Resolution:

2571 dpi

Environment:

- Temperature: 50-104° F (10-40° C)
- Humidity: 20% to 80%
- Max. Operating Alt.: 10,000 ft. (3,048 m.)

Regulatory Certification Compliance

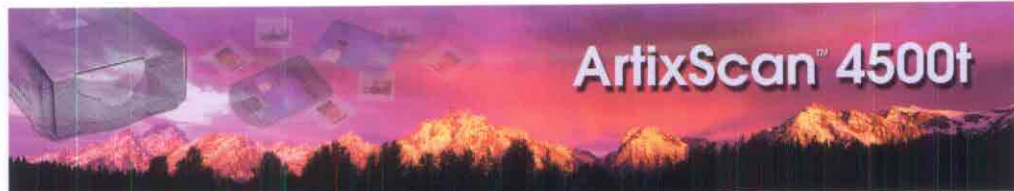
- Safety: UL 1950, CSA 22.2, EN60950
- Emissions: FCC Class B
- Acoustics: 55 dBA max. per ISO 7779

Dimensions and Weight:

- 20.5" (L) x 14" (W) x 6.6" (H)
- Weight: Approximately 22 lbs

Power Requirement:

- Auto-switching Universal Power Supply
- Min./ Max. Voltage: 100 to 240 VAC
- Frequency: 50 Hz to 60 Hz. 110/240V



ArtixScan™ 4500t

DETAILS, DETAILS, DETAILS

With its true 42-bit color depth and a new, low-noise Kodak 10,000-element CCD, the ArtixScan 4500t pulls out, with virtually no discernable image noise, the faintest details in shadow or highlight areas on images. The results? Drum-quality film scans suitable for prepress or archival-quality output.

HIGHLY RESOLVED

You'll be amazed at the quality of the scans you thought you could once only get from a scanner priced beyond your reach or one so large it couldn't fit in your studio; but now fits smartly on your desktop.

With its maximum optical resolution of 2571 dpi the ArtixScan 4500t enables you to create beautiful tabloid-sized output from 35mm slides with no loss in quality. And for those working with medium-format or 4 x 5 film the range of output possibilities is even greater. You may never have to send out for a scan again.

HOLD EVERYTHING

To deliver scans devoid of image artifacts such as Newton rings, this versatile film scanner includes glassless holders for virtually every commercial film format — 4 x 5, 6cm x 6cm, 6cm x 7cm, 6cm x 8cm, 6cm x 9cm, 35mm mounted slides, 35mm film and a glass holder for non-standard film.

PROFESSIONAL-LEVEL SCANNING SOFTWARE INCLUDED

ScanWizard™ Pro provides a deep set of image correction controls to get the best results possible on every scan, especially from color negatives and underexposed originals. ScanWizard Pro, which includes Kodak's Digital Science color management software integrated in the scanner driver, also includes device dependent color spaces (48-bit RGB, 24-bit RGB, CMYK) and device independent (CIE, LAB and LCH) color working spaces, as well as, indexed color and Web color spaces. ColorSync® functionality is built right into the software for the Macintosh version¹ of ScanWizard Pro for quick and easy linking to device profiles and color gamuts to ensure the

most accurate color possible.

ScanWizard Pro includes approximately 25MB of device and color space profiles. It even includes a scanner RGB profile to complete closed-loop calibrations with your monitor and printer.

In addition to manipulating tone curves and dynamic range settings, users can also download preferred Adobe Photoshop curves to ScanWizard Pro and can save all the settings of any ScanWizard Pro scan job for later use — especially useful for multiple user environments. Other

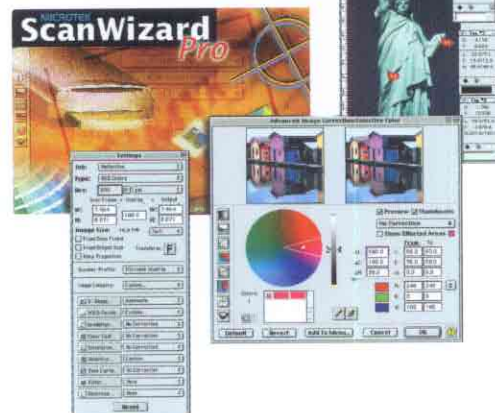
features include a multiple-level unsharp mask filter with a realistic simulation in the software's preview window; multi-processing batch scanning; select color control with intuitive and powerful threshold controls; a "Scan to File" function to send scans to a networked station or server; color tags with CMYK, LAB, and RGB read outs; and much more.

The ArtixScan 4500t also includes the Microtek Scanner ICC Profiler for calibrating the scanner using Kodak, Agfa, or Fuji's IT8 targets (Kodak Q60 4 x 5 positive film target included). It also generates ICC profiles based on the unique characteristics of each individual scanner, so the best image quality can always be consistently reproduced.

The ArtixScan 4500t includes ScanWizard Pro for use on either the Macintosh or Windows platform.



Kodak ds
digital science™



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