Kodak *ds*
digital science™

Color Scanner 3590C and Color Scanner 4500

Production color scanning. The clear choice from Kodak.

The *Kodak Digital Science*™ Color Scanner 3590C and Color Scanner 4500 break the barriers of price and performance for color production scanning. They scan at up to 85 pages per minute (ppm) (uniform letter size or A4, landscape) with all the reliability, ease of use, and affordability of the Scanner 3000 Series. They share an industry-leading feeder and paper path that save time and labor by virtually eliminating presorting, jams, and rescans. The feeder accepts and feeds batches of mixed paper sizes and weights. It's easy to add more pages to a stack during scanning for continuous feeding.

SCAN IT RIGHT THE FIRST TIME WITH COLOR.
Color capture enables the Scanner 3590C and Scanner 4500 to "see" the whole page. Virtually all the information on the page is captured: highlighting, variations in background densities and colors, hand-written annotations of every hue, routing stamps, etc. In many cases, color scanning file size is not much larger than equivalent black-and-white, so there's no performance sacrifice for routing and storing color on your network.

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DUAL-PURPOSE COLOR AND BITONAL OR FULL DUPLEX COLOR; PICK WHAT'S RIGHT FOR YOU.
The Color Scanner 3590C features bi-chromodal imaging, a Kodak innovation. It scans the fronts of documents in color and the backs in black and white. It can also be set to scan the fronts in black and white. In addition, the Color Scanner 3590C is designed to shift between color and black and white scanning "on the fly," making it ideal for batches with mixed documents.

The Color Scanner 4500 is available as a color-only simplex or duplex scanner for capturing both sides of documents in color. Pre-scan document imprinting is available on the Color Scanner 4500DP model to facilitate indexing, document tracking, and proof of scanning.

An innovative technology extends the use of color scanning into forms processing applications. Using ISIS or TWAIN drivers, dual stream (150 dpi color and 200 dpi bitonal images) output can be produced simultaneously. This allows for simplex and duplex color scanning for accurate viewing fidelity, plus optimum OCR/ICR recognition from bitonal scanning.

OPERATOR-FRIENDLY AND COMPATIBLE WITH SYSTEMS AND BUDGETS.
A single button is all you push to run either color scanner. On-board image processing maintains image quality automatically. Training is fast and simple. The scanner comes with an interactive CD, complete with video clips that instruct and help guide operators through all scanner procedures. So operator turnover isn't a problem.

Industry-standard interfaces and drivers bundled with the Color Scanner 3590C and Color Scanner 4500 enable them to support a wide range of applications. Best of all, they make color available at a very affordable price. User-replaceable parts, such as lamps and feeder rollers, help keep the cost of ownership low, too, by minimizing downtime and service calls. Plus, both color scanners are backed by worldwide service and support from Kodak (where available).

MOVE UP TO THE CLARITY OF COLOR WITH THE *KODAK DIGITAL SCIENCE* **COLOR SCANNER 3590C AND COLOR SCANNER 4500.**

Kodak Digital Science Color Scanner 3590C and Color Scanner 4500

FEATURES/BENEFITS

Duplex color scanning
Color Scanner 4500D: color capture extracts more of the critical information from both sides of documents, without any operator adjustment for clearer, easier-to-read images.

Bi-chromodal scanning
Color Scanner 3590C: captures color content from the fronts of documents; black-and-white data from the backs. Supports duplex black-and-white scanning.

Reliable, forgiving paper transport virtually eliminates time-wasting interruptions and document presorting to enhance throughput.

Simple operation enables casual operators to be productive with minimal training.

Quiet operation is compatible with a front office environment.

Flexible feeding handles batches of mixed sizes and weights from onionskin to card stock to save labor; allows reloading while feeding for continuous scanning.

Automatic multi-feed detection detects document overlaps to prevent scanning errors.

Document imprinting adds indexing and tracking information to the front side of documents prior to scanning (Color Scanner 4500DP only).

User-replaceable service items reduce service calls and scanner downtime by allowing operators to swap rollers, lamps, and guides without special tools or training.

Warranty protects your productivity with service from Kodak.

Scanner CD support provides multilingual, online training and help for operators in an informative text/video format.

SPECIFICATIONS

Recommended daily volume:
from 1,000 to 10,000 pages
(up to 20,000 images duplex)

Throughput speeds:
(landscape, letter size or A4)

Scanning Mode	Resolution	Speed
Color (3590C simplex; 4500 simplex and duplex)	100 dpi	85 ppm
	150 dpi	57 ppm
Bi-tonal (3590C only, simplex and duplex)	200 dpi	85 ppm
	300 dpi	57 ppm
Bi-chromodal (3590C, color front, bi-tonal back)	100 dpi (front) 200 dpi (back)	85 ppm
	150 dpi (front) 300 dpi (back)	57 ppm

Source document input:
Minimum: 6.4 x 6.4 cm (2.5 x 2.5 in.)
Maximum: 66.0 x 29.7 cm (26 x 11.7 in)
Thickness: 0.038 to 0.760 mm
(0.0015 to 0.0300 in.)
Weights: 50 to 200 g (13 to 110 lb.)
Color Scanner 3590C:
Feeder capacity: 150 pages standard
(250-page upgrade optional)
Output tray capacity: 250 pages
(350-page optional upgrade)
Color Scanner 4500:
Feeder capacity: 250 pages standard
Output tray capacity: 350 pages
Color Scanner 3590C and 4500:
Throat width: 30.4 cm (12 in.)
Multi-feed detection: length and thickness

Imaging:
Color: 150 dpi CCD developed and manufactured by Kodak
Black-and-white: 600 dpi CCD developed and manufactured by Kodak

Output:
Color: 100, 150 dpi, JPEG or uncompressed, and with the ISIS or TWAIN driver, 150 dpi color and 200 dpi bitonal simultaneously.
3590C only:
Black-and-white: 200 or 300 dpi, TIFF, CCITT Group 3-1D, 3-2D, 4 or uncompressed

Dimensions:
Height: 31.75 cm (12.5 in.)
Width: 53.3 cm (21 in.)
Depth: 70.0 cm (27.5 in.)
Weight: 29 kg (64 lbs.)

Interface support:
SCSI

Bundled drivers:
TWAIN for color and black-and-white
ISIS for color and black-and-white

Document imprinting (4500DP only):
Front side using standard ink-jet printer cartridges
Up to 40 alpha-numeric and special characters per page
Static and dynamic fields
(sequential increments to 9 places)
0° and 90° orientation
Two font sizes

Environmental factors:
Operating voltage range: 100 to 127 V AC, or 200 to 240 V AC, 50/60 Hz, single phase
Operating temperature: 15 to 35°C (59 to 95°F)

Operating humidity: 15 to 76% (dry bulb)
Altitude: up to 2,400 m (8,000 ft.)
Acoustical characteristics:
sound pressure (max.) 70 dBA Lwa
sound pressure (max.) 64 dBA Lpa

APPROVALS

UL 1950, C-UL 950, EN 60950, CE Mark, FCC Part 15 Class A, Canada ICES-003 Class A, EN 55022 Class B, CISPR22 Class B, VCCI Class 1, C-Tick Mark, Taiwan CNS 13438 Class A

Warranty: (U.S. and Canada; in other countries contact your Authorized Reseller of *Kodak* Imaging Products for details.)
Standard: 90 day, on-site
Extended: 3 year, on-site option

Additional Service Options:
Post-warranty maintenance agreements are available. Installation and training services are available. Contact your Authorized Reseller of *Kodak* Imaging Products for details.
Made in U.S.A.:
Designed and manufactured by Kodak.

For manufacturing of imaging equipment.

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852-2654-9330

In other areas, contact the Kodak company serving your country or Eastman Kodak Company, Document Imaging, International Markets, Rochester, NY 14650, U.S.A.

For other areas outside the U.S.A., call +1-716-722-9287

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