SUPER COOLSCAN. 9000 ED

multi-format film scanner



SUPER COOLSCAN 9000 ED

can scan a piece of 6X9cm film

Key Features

4000 dpi true optical resolution for all film formats

Exclusive SCANNER NIKKOR ED high resolution optics **16-bit A/D converter** for superior image reproduction

in detail with 4.8 optical density max

High-speed scanning (35mm slide film: 40 sec., 6x9: 185 sec. full resolution scan time)

Low-noise 3 line mono-chrome CCD increases the scanning speed

Exclusive rod dispersion LED illumination for accurate consistent color Multi-format for 16mm, 35mm, 120/220mm up to 6x9 cm film,

medical slide glass, and Electron microscope film

Digital ICE⁴ Advanced™ with Digital ICE Professional™

for image restoration / adjustment (compatible with KODACHROMEfilm in most scenes)

Improved Nikon Scan 4 software with all new

Scan Image Enhancer for automatic color/contrast compensation

Highly Accurate Color Management System Multi-Sample Scanning

(2,4,8,16X) for increased detail

IEEE1394 computer interface (interface card included for Mac_®OS & Windows_®)

Accessories



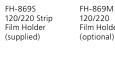
















SUPER COOLSCAN. 5000 ED



SUPER COOLSCAN 5000 ED

can scan a piece of 35mm film

Key Features

4000 dpi optical resolution

Exclusive SCANNER NIKKOR ED high resolution optics **16-bit A/D converter** for superior image reproduction in detail with 4.8 optical density max

Fast 20 second full resolution scan time (including image transfer to display)

New low-noise 2-line CCD doubles the scanning speed Exclusive LED Technology or accurate consistent color

New Digital ICE⁴ Advanced[™] for image restoration/adjustment Improved Nikon Scan 4 software with all new

Scan Image Enhancer for automatic color/contrast compensation

Highly Accurate Color Management System Multi-Sample Scanning (2,4,8,16X) for increased detail High-speed USB 2.0 interface

*Scan times are based on scanning with no options selected

Accessories









Strip Film Adapter



Strip Film Holder



Medical Slide

SCANNER SPECIFICATIONS

SUPER COOLSCAN® 5000 ED

35mm slides and film (Negatives and positives, (IX240) film with optional adapter in color and monochrome) Medical slides with optional adapter

Optical resolution Up to 4,000 pixels per inch

> 3,964-pixel, two-line linear CCD image sensor

> > AC 100 - 240V, 50/60Hz

Preview: 11 sec

4.8

R, G, B and Infrared (IR) LEDs

16 bits per color

Output Full color or grayscale at

8 or 16 bits per channel

Interface USB 2.0

Dimensions (WxHxD) 3.8 x 6.8 x 12.4 in.

Weight (approx.) 6.6 lbs

200MB of free disk space available while Nikon Scan is running

800 x 600 with 16-bit color (full color recommended)

IEEE 1394: OHCI-compliant IEEE 1394 interface required

USB***: Built-in USB 1.1 ports, USB 2.0

CD-ROM drive required for installation

Scan*: 20 sec

SUPER COOLSCAN® 9000 ED

35mm slides and film Medium-format slides and film 16mm film with optional adapter Medical slides with optional adapter

Up to 4,000 pixels per inch

10,000-pixel, three-line monochrome linear CCD image sensor

> R. G. B and Infrared (IR) LFDs light source with rod disperser and light output slot

16 bits per color

4.8

Full color or grayscale at 8 or 16 bits per channe

AC 100 - 240V, 50/60Hz 9.8 x 19.6 x 8.0 in.

19.8 lbs

Preview: 13 sec. (35mm) Scan*: 40 sec. (35mm)

Preview: 38 sec. (120/220mm) Scan*: 185 sec. (120/220mm)

*Includes time required to display the scanned image

Scanning time

lmage sensor

Light source

Density range

NIKON SCAN 4 SYSTEM REQUIREMENTS

Windows		CPU	Power PC G3 or later (G4 or later recommended)
CPU	Pentium® 300MHz or faster	os	Mac® OS 9 (9.1 or later), Mac® OS X (10.1.5 or later) RAM* Ma
os	Windows® 98SE, Windows® Me, Windows® 2000 Professional,		or more (256MB or more recommended) Mac® OS X: 128MB or
	Windows® XP Home Edition, Windows® XP Professional pre-installed model		(512MB or more recommended)
RAM*	128MB or more (512MB or more recommended)	Hard disk**	70MB required for installation (200MB recommended), with an a
Hard disk**	40MB required for installation (200MB recommended), with an additional		200MB (Mac® OS 9) or 550MB (Mac® OS X) of free disk space a

while Nikon Scan is running 800 x 600 with 16-bit color (full color recommended)

USB***: Built-in USB 1.1 ports, USB 2.0 IEEE 1394: Only built-in IEEE 1394 ports supported CD-ROM drive required for installation

*More memory may be required depending on film type, scan size, resolution, bit depth, the number of scans performed in each session, the film holder or adapter used, and whether Digital ROCTM or Digital GEM™ are used. A system with more than the minimum amount of memory is recommended

**More free disk space may be required depending on the film type and number of frames. Nikon recommends having as much free disk space as possible when running Nikon Scan.

***Depending on the type of interface installed, USB will operate at high speed (USB 2.0 only; maximum transfer rate 480 Mbps) or full speed (USB 1.1/USB 2.0; maximum transfer rate 12 Mbps). Computers running Windows® XP and Windows® 2000 Professional with a USB 2.0 interface support high-speed USB. For more information, consult the manufacturer. Users of Windows® XP, Windows® 2000 Professional or Mac® OS X whose computer is not equipped with USB 2.0 can install a RATOC PCIU3U USB 2.0 interface board (for more information, visit Ratoc Systems English-language web site at http://www.ratocsystems.com/english/index.htm

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. © 2008 Nikon Inc. CDP-SCANNER-01-10/08



c® OS 9: 64MB

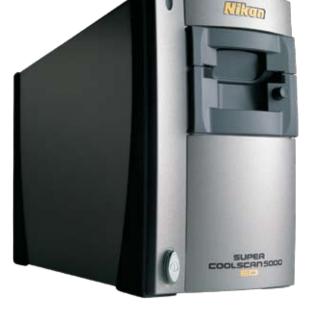
Nikon



At the heart of the image The

Manage your scans. Enhance your images.



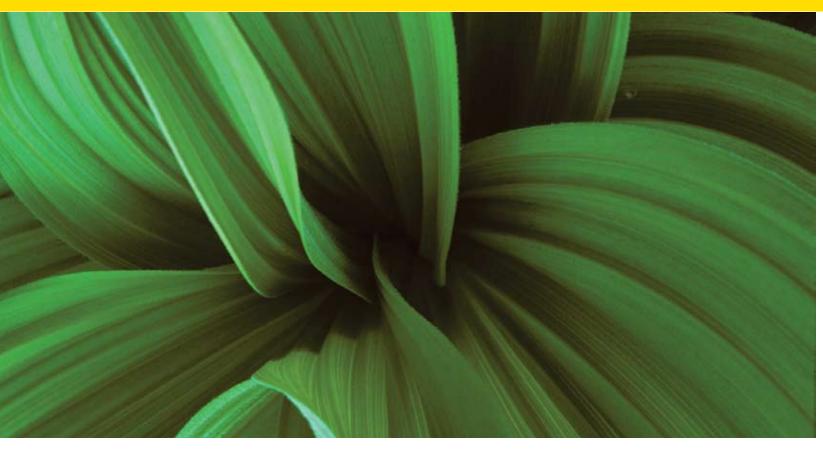






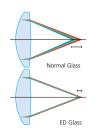


Nikon Inc. 1300 Walt Whitman Road Melville NY 11747



Nikon COOLSCAN Core Technology

What differentiates Nikon COOLSCAN film scanners from other manufacturers' film scanners with similar specifications? Exclusive core technologies that Nikon has developed since the debut of our first scanner over a decade ago. **We call it the Nikon Difference.**





greatly reduces chromatic aberration and image distortion, and delivers incredibly sharp images.

Scanner NIKKOR ED Lens



LED light source

generates little heat, eliminating the risk of damage to film. It also requires no calibration or maintenance.

Nikon's COOLSCAN film scanners

offer 4,000 dpi true optical resolution and A/D conversion at up to 16 bits, for superior-quality digital images at an ultra-high resolution of **21 megapixels**.



Nikon Color Management System

provides consistently accurate reproduction of image data on monitors and in printouts. Each model is compatible with ICC version 4 standards.

Digital ICE⁴ Advanced[™]

comprises four cutting-edge image-correction components which help ensure superior image quality and operational efficiency.



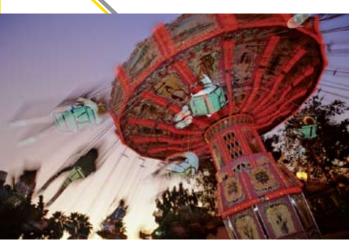
Nikon's COOLSCAN lineup features a host of cutting edge image restoration functions. These progressive image correction tools give scanner users more freedom in image manipulation, and help ensure super high-fidelity reproduction and highly efficient operation. Take control with COOLSCAN film scanners from Nikon.

Scan Image Enhancer

Scan Image Enhancer provides one-touch image correction. Automatic brightness and color saturation adjustments with no complicated control settings, make it easy to produce images with optimal contrast.



After



Multi-Sample Scanning

Multi-sample scanning helps produce rich, noise-free images. It removes virtually all the noise that can appear after only one scan. By making as many as 16 passes, it ensures faithful reproduction with smoother gradation.







Digital ICE⁴ Advanced[™] comprises four cutting-edge image correction components which help ensure superior image quality and operational efficiency.







Digital ICE™ Image Correction & Enhancement.

Digital ICE[™] removes defects or scratches on the surface of the film without losing any details or any other elements of the original image.*



Digital ROC™ Restoration Of Color.

Digital ROC " brings faded color of old films or slides back to life. Enjoy vibrant, faithfully rendered images.





Digital GEM[™] Grain Equalization & Management.

Digital GEM[™] reduces the effects of film grain. The resulting images are sharp, clear and devoid of graininess.



Digital DEE[™] Dynamic Exposure Extender.

Digital DEE™ helps reveal details hidden in shadows and highlights. It compensates for both underexposure and overexposure.

