The quality of a drum scanner, in a Multi-Format, Multi-Purpose film scanner.

- **NEW!** Scan Multiple Film Formats (120/220 up to 6x9, 35mm, 16mm, and microscope slides)
- **NEW!** 4000 dpi Optical Resolution for all film formats
- Dynamic Range of 4.2 ensures every nuance of detail from your film
- **EXCLUSIVE!** Tri-linear monochrome CCD with 30,000 pixels for fast scanning
- **EXCLUSIVE!** Large Diameter Scanner Nikkor ED High Resolution Lens incorporating Nikon’s extra-low dispersion glass for sharp clear images
- **EXCLUSIVE!** LED Technology for accurate, consistent color without having to recalibrate/replace the light source
- **NEW!** Digital ICE™ Image Enhancement Technology incorporating Digital ICE™, Digital ROC™ and Digital GEM™
- **EXCLUSIVE!** Nikon’s Color Management System ensures vivid, accurate color matching on monitors, printers, and the web
- High-quality 48-bit images with file sizes of up to 790 MB
- Multi-Sample Scanning increases quality in dark, shaded areas
- **NEW!** Enhanced Nikon Scan™ software for easier operation
- **NEW!** IEEE 1394 Interface (interface card included for Mac®OS & Windows®)

Digital ICE™ incorporated into Nikon Scan™ eliminates all surface defects, corrects color and exposure, and automatically reduces the film grain of a scanned image.
- Digital ICE™ removes surface defects
- Digital ROC™ restores color
- Digital GEM™ effectively reduces film grain

The original scan
After running Digital ICE™ Image Enhancement software

The quality of a drum scanner, in a Multi-Format, Multi-Purpose film scanner.
Super Coolscan® 8000 ED

The Nikon Super Coolscan 8000 ED is a revolutionary multi-format film scanner that produces large volume, high-speed scans that maximize workflow productivity, while a 4.2 dynamic range and 4,000 dpi optical resolution ensure image quality equal to a drum scanner. Designed for imaging professionals and professional photographers, this desktop film scanner utilizes a sophisticated imaging system that integrates Nikon’s large diameter Scanner Nikkor ED glass lens with proprietary LED technology for consistent color and razor sharpness. In addition, the scanner incorporates Applied Science Fiction's Digital ICE™ technology into Nikon Scan® 3 for automatic removal of surface defects, restoration of color, exposure correction and minimization of film grain.

### LS-8000 ED Multi-format Desktop Film Scanner Specifications:

<table>
<thead>
<tr>
<th>Film Type</th>
<th>Medium format (120/220), 35mm (135), panorama, 6x9, Electron Microscope, glass slide (microscope).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reading Resolution</td>
<td>4,000 dpi optical resolution</td>
</tr>
<tr>
<td>Film Holder</td>
<td>35mm Strip Film Holder FH-835S, 35mm Mounted Film Holder FH-835M, 120/220 Strip Film Holder FH-869G</td>
</tr>
<tr>
<td>Scanning Area</td>
<td>FH-835S: 46.0 x 24.0mm (7,248 x 3,780 pixels), FH-835M: 25.4 x 37.5mm (4,000 x 5,904 pixels)</td>
</tr>
<tr>
<td>Effective Scanning Area</td>
<td>FH-835S: 25.4 x 37.5mm (5,095 x 5,032 pixels), FH-835M: 25.5 x 37.6mm (5,095 x 5,032 pixels)</td>
</tr>
<tr>
<td>FH-869(S)</td>
<td>63.5 x 88mm (10,000 x 13,860 pixels)</td>
</tr>
<tr>
<td>Film Type</td>
<td>Medium format (120/220), 35mm (135), panorama, 6x9, Electron Microscope, glass slide (microscope).</td>
</tr>
<tr>
<td>Reading Resolution</td>
<td>4,000 dpi optical resolution</td>
</tr>
<tr>
<td>Film Holder</td>
<td>16mm Film Holder FH-816 (optional)</td>
</tr>
<tr>
<td>Scanning Area</td>
<td>FH-816: 56.0 x 41.5mm (8,818 x 6,535 pixels)</td>
</tr>
<tr>
<td>Effective Scanning Area</td>
<td>FH-816: 56.0 x 41.5mm (8,818 x 6,535 pixels)</td>
</tr>
<tr>
<td>FH-869(GR)</td>
<td>63.5 x 88mm (10,000 x 13,860 pixels)</td>
</tr>
<tr>
<td>Film Type</td>
<td>Medical Slide Holder FH-8G1 (optional accessory)</td>
</tr>
<tr>
<td>Reading Resolution</td>
<td>4,000 dpi optical resolution</td>
</tr>
<tr>
<td>Film Holder</td>
<td>120/220 Film Rotated Holder with Glass FH-869GR (optional)</td>
</tr>
<tr>
<td>Scanning Area</td>
<td>FH-869GR: 56.9 x 83.7mm (8,964 x 13,176 pixels)</td>
</tr>
<tr>
<td>Effective Scanning Area</td>
<td>FH-869GR: 56.0 x 56.9mm (8,818 x 8,818 pixels)</td>
</tr>
<tr>
<td>FH-869(M)</td>
<td>63.5 x 88mm (10,000 x 13,860 pixels)</td>
</tr>
<tr>
<td>Film Type</td>
<td>120/220 Mounted Film Holder FH-869M (optional)</td>
</tr>
<tr>
<td>Reading Resolution</td>
<td>4,000 dpi optical resolution</td>
</tr>
<tr>
<td>Film Holder</td>
<td>120/220 Strip Film Holder FH-869S, 120/220 Strip Film Holder FH-869G (optional)</td>
</tr>
<tr>
<td>Scanning Area</td>
<td>FH-869S/FH-869G: 56.9 x 83.7mm (8,964 x 13,176 pixels)</td>
</tr>
<tr>
<td>Effective Scanning Area</td>
<td>FH-869S/FH-869G: 56.9 x 83.7mm (8,964 x 13,176 pixels)</td>
</tr>
</tbody>
</table>

### Accessories included:

- Includes: IEEE 1394 cable (6 pin, 6 pin), IEEE 1394 Interface card (works with Windows® & Macintosh® G3 or later computers)
- 35mm Strip Film Holder FH-835S, 35mm Mounted Film Holder FH-835M, 120/220 Strip Film Holder FH-869G, AC power cord, software manual, and user manual.

### Bundled Software

- Nikon Scan® Driver software
- User downloadable from www.nikontechusa.com
- Firmware
  - User downloadable from www.nikontechusa.com
- Operating Systems
  - Mac® OS 8.6 or later recommended
  - MMX Pentium 166 or better, Pentium II or better recommended
- Power Requirements
  - 100-240 VAC, 0.3-0.2A, 50/60Hz
- Environmental
  - Temperature: 50-95° F (10-35° C)
  - Relative Humidity: 20-60% (non-condensing)
- Dimensions (WxDxH)
  - 9.6 x 13.1 x 7.9 in. (245 x 485 x 200mm)
- Weight (approx.)
  - 19.8 lbs (9kg)

### Multi-sample scanning

2, 4, 8, 16 times (user selectable) for reduced noise

### Color Management

Built-in, uses standard ICC profiles to color match across devices.

### System

Input devices: Apple ColorSync® and Microsoft® ICM compatible

### Panel Indicators

READY, BUSY and ERROR status indicated by front LED

### Scanning Software

Nikon Scan® 3

### Interface

Macintosh: FireWire® Support 2.3, 3 or later recommended
Windows®: Support 2.0 if you are using an old-model (beige) G3 desktop computer not equipped with an IEEE 1394 board, you can install the board that is provided.

Windows: Only boards compliant with Open Host-Controller Interface (OHCI) are supported. If your computer has an empty PCI slot and is not equipped with a suitable board, you can install the board that is provided.

*The scanner may not function as expected when connected to an IEEE 1394 hub.

### 16mm Film Holder FH-816

- 16mm Film Holder with Glass (optional accessory)

### Medical Slide Holder FH-8G1

- Medical Slide Holder FH-8G1 (optional accessory)

### 35mm Mounted Film Holder FH-835(M)

- 35mm Mounted Film Holder (optional accessory)

### 35mm Strip Film Holder FH-835(S)

- 35mm Strip Film Holder (optional accessory)

### 120/220 Mounted Film Holder FH-869M

- 120/220 Mounted Film Holder with Glass (optional accessory)

### 120/220 Strip Film Holder FH-869(GR)

- 120/220 Strip Film Holder with Glass (optional accessory)

### 120/220 Strip Film Holder FH-869(S)

- 120/220 Strip Film Holder (optional accessory)

### Digital ICE™

- Digital ICE™ - automatic removal of surface defects
- Digital ROC™ - automatic restoration of lost color values and exposure correction
- Digital GEM™ - automatic minimization of film grain in scanned images

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