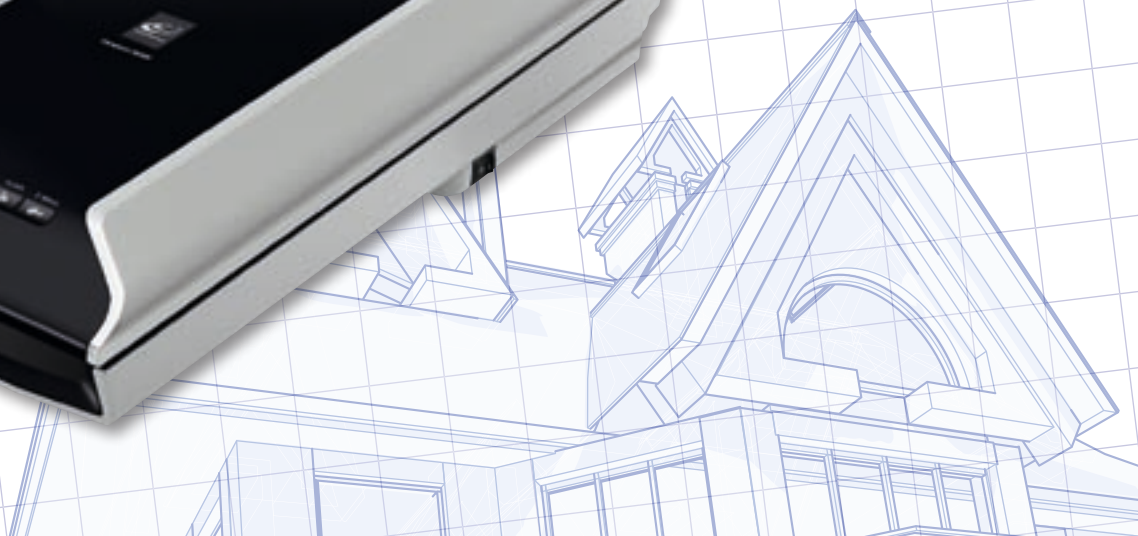# you can

Canon

Scanner Range Brochure 2009

Breathe new life into photos and documents with creative CanoScan solutions.

Canon's superb range of scanners is where advanced technology and great results meet value for money and effortless creativity. CanoScan scanners incorporate technologies that help to deliver high-speed scanning, impressive image resolutions and zero warm-up times, allowing operation in just seconds.

The CanoScan range has models to suit both inexperienced and professional users, and each scanner has the features to make it a truly creative tool – whether working with photos or documents. Dust and scratch reduction creates crisp, clear scans, while Auto Scan Mode is an intuitive function that automatically optimises settings to produce the best results from your originals.

CanoScan scanners are beautifully slim and compact and provide excellent functionality through up to seven EZ buttons, which are used for one-touch Copy, Scan, Email and PDF – the most common scanning functions. The scanners are also incredibly versatile, with some models offering 35mm film and slide scanning – perfect for photographers.
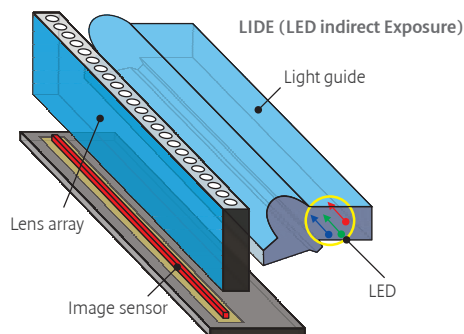
Scanner Technology

LIDE (LED INDIRECT EXPOSURE)

LIDE scanners use LED's, sensors and custom-made lenses in a unique way, placing sensor and light source very close together. The result is ultra-thin, compact and lightweight scanners that never sacrifice image definition for an instant. Using a single USB connection for both power and data, power consumption is low and installation easy. Just as important, they look great and take up minimal space.

LIDE (LED indirect Exposure)

Light guide

Lens array

Image sensor

LED

ZERO WARM-UP TIME

High-luminance white LED lamps save time and energy. Conventional fluorescent lamps can require 30 seconds or more just to warm-up. LEDs have zero warm-up time so scanning can start immediately and shut down completely between scans.

USB BUS POWER

USB One Plug

With their negligible appetite for energy, Canon's LIDE scanners are so efficient that they draw all the power they need from the USB data cable. This does away with the need for messy power cables and adapters.
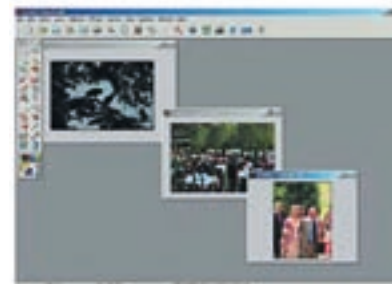
AUTO SCAN MODE

Auto Scan Mode lets you place several photos on the scanning surface at once (without worrying whether they're aligned) and scan them in one scan. Once scanned, the separately identified, straightened and cropped images are transferred to your computer as separate files.

Scan of 3 images with conventional scanner

Scan of 3 images with Auto Scan Mode

EZ BUTTONS

EZ Buttons

To keep things easy, every Canon scanner has up to 7 EZ buttons to simplify common scanner functions – such as scanning photos or film, scan to email, copying and scan to PDF. Up to four EZ buttons can be used to create single or multiple page PDF files directly from the panel. Once scanned, the software can detect and embed text to create word searchable documents. Using the CanoScan Toolbox or MP Navigator EX software*, further pages can be inserted directly into existing PDF files and page order can be changed with drag-and-drop simplicity.

* Software varies depending on scanner model.

ON/OFF — PDF — COPY PHOTO/FILM E-MAIL

EZ Buttons shown are from the CanoScan 8800F

FARE and QARE
Automatic retouching and enhancement
of film and photos.

With functions such as dust and scratch removal to automatically correct flawed images, FARE for film and QARE for photo prints save hours of manual retouching and improve scan quality.

FARE

When scanning film, visible light is used to generatethe image, but this also captures dust and scratches. FARE (Film Automatic Retouching and Enhancement) works by also using infrared (non-visible) light. Infrared light passes through the dye layers of film but not through the surface imperfections, creating a 'map' of defects. Intelligent software then corrects these defects, virtually eliminating the effect of dust and scratches. Invaluable with damaged and old film, FARE is also useful with new film, since it is virtually impossible to keep film pristine.

QARE

QARE uses intelligent software to provide similar functionality to FARE, but for reflective scans, such as photo prints.

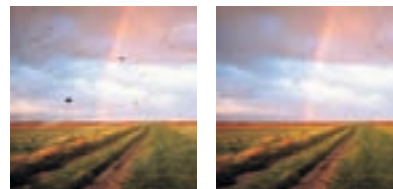### COLOUR RECONSTRUCTION AND GRAIN REMOVAL

As well as removing imperfections such as dust and scratches, FARE and QARE can bring faded images back to life and reduce the effect of film grain. Colour Reconstruction restores hues and tints – transforming faded film and photo print scans to their original vivid colours. Grain Equalization and Management produces smoother tones by removing the noisy, speckled effect of film grain found in images captured with high ISO settings.

BACKLIGHT CORRECTION

Simply increasing brightness to improve images with heavy backlighting makes the entire image look 'washed out'. FARE and QARE's Backlight Correction function first detects which areas of the image need correction. Demonstrably superior image quality is then obtained by adjusting only the gamma of those areas, bringing out detail in darker areas without blowing out the correctly exposed sections of the image.

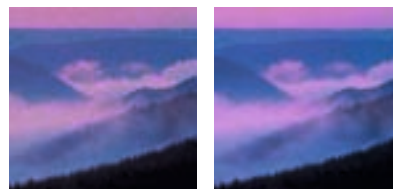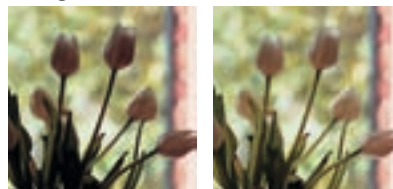## FILM AUTOMATIC RETOUCHING AND ENHANCEMENT – FARE

Dust and scratch removal

Fading Correction

Grain Correction

Backlight Correction

CanoScan 8800F

This top-of-range film, photo and document scanner is designed for photographers and creative or graphic agencies needing versatile scanner productivity. Advanced features ensure exceptional quality at the highest speed, with Zero Warm-up time.

- Quality – 4800 x 9600 dpi*; 48 bit colour depth
- Speed – A4, 300dpi scan in approx. 7 sec.; Zero Warm-up
- Film scanning – Adapter for 12x35mm filmstrip, 4x35mm mounted slides, 120 format (max. 6x22cm)
- Functions – Scan to PC, e-mail or PDF
- Design – Compact and slim
- Easy operation – 7 EZ buttons
- Multi-photo mode – Creates separate files in a single pass
- Auto image correction – FARE and QARE for automatic dust & scratch removal; generates usable scans from damaged originals
- Software – SilverFast SE, Adobe Photoshop Elements, MP Navigator EX, ArcSoft PhotoStudio, OmniPage, Presto! PageManager (PC only)

* See specifications

CanoScan 5600F

Outstanding photo, film and document scanning with advanced CCD technology. Professional-quality CCD scanner with 35mm film/slide holder delivering exceptional 4800x9600dpi resolution and 11-second 300dpi scans. Zero warm-up time offers instant operation for reflective scans.

- Advanced CCD technology photo, film and document scanner
- Premium-quality 4800x9600dpi resolution and 48-bit input/output
- 35mm film strip and slide scanning for photographers and creative users
- Zero warm-up time for reflective scans with high-brightness white LED for fast operation
- Produces 300dpi A4 scans in approximately 11 seconds
- 7 EZ buttons for the most popular tasks: Copy, Scan, Email and PDF
- Scan documents and photos automatically with Auto Scan Mode
- Hi-speed USB connection for improved productivity
- Built-in AC adaptor power supply

* See specifications

FARE LEVEL 3 — Film Automatic Retouching and Enhancement

Medium Format

4800 ×9600 **dpi**   **19200dpi** by **Software**   **7** approx. **sec.** Colour/A4/300dpi   ×4 ×12 **35mm Film**

4800 ×9600 **dpi**   **19200dpi** by **Software**   **11** approx. **sec.** Colour/A4/300dpi   ×4 ×6 **35mm Film**

CanoScan LiDE 700F

With its ingenious 3-way design and 180° lid, the LiDE 700F brings high resolution scanning to work spaces of all sizes. For exceptional detail and enlargements, scan 35mm film at up to 9600dpi.

- Space-saving LiDE scanner with CIS sensor
- Attractive 3-way design with flip-out stand can be used in portrait, landscape or vertical positions
- Powered by High Speed USB 2.0 cable
- 9600x9600dpi film scanning for enlargements or exceptional detail
- 4800x4800dpi reflective scanning in 48bit colour
- Approx. 12 seconds* for A4 full colour scans at 300dpi
- Auto Scan Mode – selects perfect scan and save settings automatically
- Configurable EZ buttons enable fast, convenient operation for PDF, Copy, Scan, and Email
- Creates searchable PDF documents with over 15 language OCR
- Automatic QARE dust and scratch removal for photos

* See specifications

CanoScan LiDE 200

Affordable photo and document scanner bringing LiDE technology to the home user.
Intuitive LiDE scanner with 4 EZ buttons for Copy, Scan, Email and PDF. Delivers highquality 4800dpi resolution and 48-bit colour, with A4, 300dpi scan speeds of just 14 seconds.

- Photo and document scanning with 4800x4800dpi resolution and 48-bit colour
- High-speed A4 scanning at 300dpi in approximately 14 seconds
- Copy, Scan, Email and create PDFs using 4 EZ buttons
- Automatic reduction of dust and scratches for novice and expert users
- Intuitive scanning of all types of documents and photos with Auto Scan Mode
- No AC adaptor needed: single USB cable connection to a PC or Mac
- Compact size with an upright stand to reduce the desk space required
- Double-hinge design advanced Z-lid for scanning thick documents

* See specifications

| 9600 ×9600 dpi | 19200 dpi by Software | SCAN 12 sec. approx. Colour/A4/300dpi | ×1 35mm Film | PC USB One Plug | 4800 ×4800 dpi | 19200 dpi by Software | SCAN 14 sec. approx. Colour/A4/300dpi | PC USB One Plug |

CanoScan LiDE 100

Versatile and affordable LiDE scanner for the everyday user. This entry-level LiDE scanner features EZ buttons for easy operation of Copy, Scan, Email and PDF functions. Ease of use is enhanced by Auto Scan Mode and dust and scratch reduction.

- High image quality and accurate colours with 2400x4800dpi resolution and 48-bit colour
- Fast, 300dpi scanning for A4 scans in approximately 24 seconds
- 4 EZ buttons for Copy, Scan, Email and PDF
- Dust and scratch reduction for novice or expert users
- Auto Scan Mode for fast, intuitive scanning of photos and documents
- Single Hi-speed USB connection for easy installation and portability
- Space-saving, compact design for home or office
- Advanced Z-lid with double-hinge design for scanning thick documents

* See specifications

2400×4800**dpi**

19200dpi by **Software**

SCAN **24**sec. approx. Colour/A4/300dpi

PC USB One Plug

SCANNER SPECIFICATIONS CHART

	CanoScan 8800F	CanoScan 5600F
Type	Desktop Colour Flatbed Scanner with Film Adapter Unit	Desktop Colour Flatbed Scanner with Film Adaptor Unit
Scanning element	CCD	CCD 6-line colour
Light source	White LED, Reflective and FAU	White LED - Reflective / Cold cathode fluerescent lamp
Optical resolution	4800 x 9600 dpi[1]	4800 x 9600 dpi[1]
Selectable resolution	25 – 19200 dpi	25 - 19200 dpi
Interface	Hi-Speed USB	Hi-Speed USB
Scanning Gradation Colour		
Colour	48 bit input / 48/24 bit output	48 bit input -> 48/24 bit output
Greyscale	48 bit input / 16 bit (Film scanning)/8 bit output	48 bit input -> 16 bit (Film scanning) / 8 bit output
Maximum document size	A4/Letter (216 x 297mm)	A4 / Letter (216 x 297mm)
Scan Speed		
Preview speed (Colour A4)	Approx. 3 sec[2]	Approx. 3 sec[2]
Scan speed (Colour A4 300dpi)	Approx. 7 sec[3]	Approx. 11 sec[3]
Scanning Speed		
Colour	1.0 msec./line (300 dpi), 12.1 msec/line (4800 dpi)[4]	1.8 msec./line (300 dpi), 14.6 msec/line (4800 dpi)[4]
Greyscale	1.0 msec./line (300 dpi), 12.1 msec/line (4800 dpi)[4]	1.8 msec./line (300 dpi), 14.6 msec/line (4800 dpi)[4]
Black and White	1.0 msec./line (300 dpi), 12.1 msec/line (4800 dpi)[4]	1.8 msec./line (300 dpi), 14.6 msec/line (4800 dpi)[4]
Film Scanning Speed		
Colour	1.5 – 36.3 msec./line[4]	1.8 – 58.4 msec/line[4]
Greyscale	1.5 – 36.3 msec./line[4]	1.8 – 58.4 msec/line[4]
B&W	1.5 – 36.3 msec./line[4]	1.8 – 58.4 msec/line[4]
Film Handling	35mm strip (negative/positive)/12 frames Slide (negative/positive)/4 frames 120 format film/Max. 6 x 22cm (filmstrip only)	35 mm strip (negative/positive)/6 frames Slide (negative /positive)/4 frames
Film Scanning Features	FARE level 3 (Film Automatic Retouching & Enhancement) with Reconstruction of Colour, Grain correction, Backlight correct	
Power supply	AC Adapter	AC adapter - built-in
Power Consumption		
In operation (maximum)	Approx. 18W[5]	Approx. 19W[5]
Standby	Approx. 1.5W	Approx. 3.2W
Switch-off	Approx. 1.0W	Approx. 0.4W
Suspend	Approx. 0.4W	
Scanner (EZ buttons)	7 buttons (PDF x 4, COPY, PHOTO/FILM, E-MAIL)	7 buttons (PDF x 4, COPY, PHOTO/FILM, E-MAIL)
Dimensions	272 x 479 x 100mm	272 x 491 x 97mm
Weight	Approx. 4.2kg	Approx. 4.3kg
Operating Range		
Temperature	10º – 35ºC	10º – 35ºC
Humidity	10% to 90% RH (20% to 80% RH for film scanning), without condensation formation	10% to 90% RH (20% to 80% RH for film scanning), without condensation formation
Operating System Requirements	Windows 2000/XP/Vista™ Mac OS X v10.2.8 – v10.5	Windows Vista™, XP SP2, 2000 Professional SP4 / Internet Explorer 6.0 / CD-ROM drive / Display 1024x768 / Mac OS X v.10.3.9, v.10.4,v.10.5 / Safari / CD-ROM drive / Display 1024x768
Software Included	ScanGear, MP Navigator EX, Solution Menu, ScanSoft OmniPage SE, ArcSoft PhotoStudio, Presto! PageManager (PC only), Adobe Photoshop Elements, SilverFast SE	ScanGear, MP Navigator EX, ArcSoft PhotoStudio

SYMBOL GUIDE

9600 x 9600 dpi
4800 x 9600 dpi
2400 x 4800 dpi
19200 dpi by Software

Scanner optical resolution
The CCD and CIS systems of flat-bed scanning are available. Achieved maximum resolution of 9600(horizontal) x 9600(vertical) / 4800 x 9600 / 4800 x 4800 / 2400 x 4800 dpi. See endnotes for more info.

Software interpolation provides high-resolution data scanning at a maximum of 19200dpi.

7 sec. SCAN approx. Colour/A4/300dpi

Document Scan Speed (Colour/A4/300dpi)
High-speed document scanning is achieved by improving how data is read from the sensor.
See endnotes for more info.

48-bit Input/Output

The 48-bit colour depth ensures your scans have exceptionally accurate colour reproduction.

EZ Buttons

EZ buttons provide one-touch operation of common scan tasks like PDF file creation or sending to your e-mail program.

35mm Film

Maximum 12 / 6 consecutive frames of 35 mm negatives or positives, or 4 consecutive frames of mounted slides, can be scanned.

Medium Format

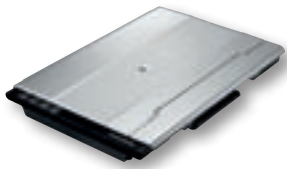Supports the Medium Format up to a maximum of 6 x 22cm.

USB One Plug

A power adapter is not required. You are ready to start scanning just as soon as the USB cable supplied is connected to your personal computer.

Advanced Z-lid

The cover lifts straight up, remaining parallel to the document table when scanning or copying magazines or thick documents. This allows thick documents to be pressed down directly from above when scanned.

PDF

Variable PDF files creation functions feature Searchable PDF files, Multi-Page PDF files or Auto Direction correction.

SCANNER SPECIFICATIONS CHART

	CanoScan LiDE 700F	**CanoScan LiDE 200**	**CanoScan LiDE 100**
Type	Desktop Colour Flatbed Scanner with Film Adapter Unit	Desktop Colour Flatbed Scanner	Desktop Colour Flatbed Scanner
Scanning element	CIS	CIS	CIS
Light source	3-colour (RGB) LED	3-colour (RGB) LED	3-colour (RGB) LED
Optical resolution	9600x9600dpi (film)[1] 4800x4800dpi (reflective documents)[1]	4800x4800dpi[1]	2400x4800dpi[1]
Selectable resolution	25 – 19200 dpi	25 - 19200dpi	25 - 19200dpi
Interface	Hi-Speed USB	Hi-Speed USB	Hi-Speed USB
Scanning Gradation Colour			
Colour	48 bit input -> 48/24 bit output	48bit input -> 48/24 bit output	48bit input -> 48/24 bit output
Greyscale	48 bit input -> 8 bit output	16 bit input -> 8 bit output	16 bit input -> 8 bit output
Maximum document size	A4/Letter (216 x 297mm)	A4 / Letter (216 x 297mm)	A4 / Letter (216 x 297mm)
Scan Speed			
Preview speed (Colour A4)	Approx. 9 sec.[2]	Approx. 9 sec[2]	Approx. 14 sec[2]
Scan speed (Colour A4 300dpi)	Approx. 12 sec.[3]	Approx. 14 sec[3]	Approx. 24 sec[3]
Scanning Speed			
Colour	2.4 msec./line (300 dpi) 33.5 msec./line (4800 dpi)[4]	2.5 msec/line (300 dpi) 33.3 msec./line (4800 dpi)[4]	5.5 msec/line (300 dpi) 16.9 msec./line (2400 dpi)[4]
Greyscale	2.3 msec./line (300 dpi) 11.3 msec./line (4800 dpi)[4]	2.3 msec./line (300 dpi) 11.1 msec./line (4800 dpi)[4]	3.7 msec/line (300 dpi) 5.6 msec./line (2400 dpi)[4]
Black and White	2.3 msec./line (300 dpi) 11.3 msec./line (4800 dpi)[4]	2.3 msec./line (300 dpi) 11.1 msec./line (4800 dpi)[4]	3.7 msec/line (300 dpi) 5.6 msec./line (2400 dpi)[4]
Film Scanning Speed			
Colour	2.8 – 223.9 msec./line[4]		7.4 – 74.0 msec./line
Greyscale	2.8 – 223.9 msec./line[4]		7.4 – 74.0 msec./line
B&W	2.8 – 223.9 msec./line[4]		
Film Handling	35 mm strip (negative/positive)/1 frame		35 mm strip (negative/positive)/6 frames Slide (negative /positive)/4 frames 5
Film Scanning Features			
Power supply	Supplied via USB port	Supplied via USB port	Supplied via USB port
Power Consumption			
In operation (maximum)	approx. 2.5W[5]	approx. 2.5W[5]	approx. 2.5W[5]
Standby	approx. 1.5W	approx. 1.4W	approx. 1.4W
Switch-off	approx. 11mW	approx. 11mW	
Suspend	approx. 11mW		approx. 11mW
Scanner (EZ buttons)	4 buttons (PDF, COPY, SCAN, E-MAIL)	4 buttons (PDF, COPY, PHOTO, E-MAIL)	4 buttons (PDF, COPY, PHOTO, E-MAIL)
Dimensions	292 x 409 x 44mm	250 x 370 x 40mm	250 x 370 x 40mm
Weight	approx. 2.1kg	approx. 1.6 Kg	approx. 1.6 Kg
Operating Range			
Temperature	5 degrees C to 35 degrees C	5 degrees C to 35 degrees C	5 degrees C to 35 degrees C
Humidity	10% to 90% RH (20% to 80% RH for film scanning), without condensation formation	10% to 90% RH without condensation formation	10% to 90% RH without condensation formation
Operating System Requirements	Windows Vista™, Vista™ SP1, XP SP2/SP3, 2000 Professional SP4 / Internet Explorer 6.0 / CD-ROM drive / Display 1024x768 Mac OS X v.10.3.9, v.10.4,v.10.5 / Safari / CD-ROM drive / Display 1024x768	Windows Vista™, XP SP2, 2000 Professional SP4 / Internet Explorer 6.0 / CD-ROM drive / Display 1024x768 Mac OS X v.10.3.9, v.10.4,v.10.5 / Safari / CD-ROM drive / Display 1024x768	Windows Vista™, XP SP2, 2000 Professional SP4 / Internet Explorer 6.0 / CD-ROM drive / Display 1024x768 Mac OS X v.10.3.9, v.10.4,v.10.5 / Safari / CD-ROM drive / Display 1024x768
Software Included	ScanGear, MP Navigator EX, ArcSoft PhotoStudio	ScanGear, MP Navigator EX, ArcSoft PhotoStudio	ScanGear, MP Navigator EX, ArcSoft PhotoStudio

1. Optical resolution is a measure of maximum hardware sampling resolution, based on ISO 14473 standard.
2. Preprocessing time is not included.
3. Colour document scanspeed is measured with ISO/IEC 24712 Newsletter. Scan speed ind icates the time measured between pressing the scan button of the scanner driver and the on-screen status display turns off. Scan speed may vary depending on system configuration, interface, software, scan mode settings and document size etc.
4. The fastest speed in Hi-Speed USB on Windows PC. Transfer time to computer is not included.
5. Maximum consumption when scanning ISO/JIS-SCID N2 (printed on A4 plain paper with inkjet printer), as well as film (35mm and 120 roll) using available driver modes.

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