



*At the heart of the image*

DIGITAL CAMERA  
**COOLPIX**  
**8700**



*Effective Megapixels  
x Zoom-Nikkor ED Lens*





*Welcome to the next generation of digital cameras. Inside its rugged, compact magnesium-alloy body, the COOLPIX 8700 combines 8.0 effective megapixels with an 8x Zoom-Nikkor ED lens, ushering in a new dimension of digital imaging that serious photographers have waited for. The cutting-edge features will arouse your creative instincts, while its eight-million-pixel resolution will defy your senses. Images of this depth, clarity and color raise the bar for digital photography, and touch the souls of all those who view them. Experience it for yourself.*

**Camera settings**

- Focal length: 8.9mm (35mm in 35mm [135] equiv.)
- Exposure metering: Matrix
- Exposure mode: Aperture-Priority Auto
- Shutter speed: 1/2 second
- Aperture: f/5.6
- Exposure compensation: -1.0 EV

**8 to stimulate... your senses**



Taken with Wideangle Converter WC-E80

Camera settings: • Exposure metering: Matrix • Exposure mode: Manual • Shutter speed: 1/15 second • Aperture: f/4



Taken with the lens at 280mm

Camera settings

- Focal length: 71.2mm (280mm in 35mm [135] equiv.)
- Exposure metering: Matrix
- Exposure mode: Aperture-Priority Auto
- Shutter speed: 1/112 second
- Aperture: f/4.2



35mm equiv.



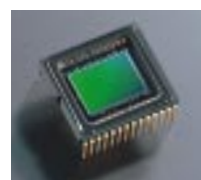
280mm equiv.



4x Digital Zoom  
(approx. 1,120mm equiv.)

## 8 to enliven... your images

### 8-megapixel resolution for high-definition images



The COOLPIX 8700 and its newly developed CCD offer 8.0 effective megapixels for an astoundingly high resolution of 3,264 x 2,448 pixels. Quality like this makes images of exceptional high definition possible — even when cropped.

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### 8x Zoom-Nikkor lens



The 8x zoom gives you the power of a 35 - 280mm (35mm [135] equiv.) lens, while Macro capability lets you get as close as 3cm (1.2 in.). This combination is supported by

Nikon's world-renowned optical technology, with two ED glass elements delivering crisp, clear images while minimizing chromatic aberration — all of which helps realize the full potential of 8.0 effective megapixels.

### Lifelike image reproduction

The COOLPIX 8700's exclusive image processing technology takes true-to-life images a step closer to reality. A 256-segment Matrix Metering system enables optimal exposures in even the most challenging lighting environments, while Matrix Auto White Balance neutralizes color deviations created by ambient light sources. Both advanced features allow the COOLPIX 8700 to preserve a faithful reproduction of color, detail and gradation.

# 1. Precise, flexible exposure control

With four exposure modes (P, S, A and M), as well as Exposure Compensation, the COOLPIX 8700 provides you with an exceptional degree of exposure control. Moreover, the camera's AE-BSS (Auto Exposure - Best Shot Selector) mode can automatically select the best relative exposure from consecutive shots, so that either the highlighted or shadowy areas of your images attain a remarkable level of clarity.

# 2. A perfect fit

The COOLPIX 8700's sturdy, lightweight magnesium alloy body has an ergonomic design sculpted to make access to control functions fluid and effortless. The 1.8-inch-type Vari-angle LCD monitor ensures high visibility — even in daylight — and shooting from almost any angle. The Electronic Viewfinder (EVF) now provides a 235,000-dot resolution with backlight illumination for optimum visibility.



Magnesium alloy body



Electronic Viewfinder (EVF)

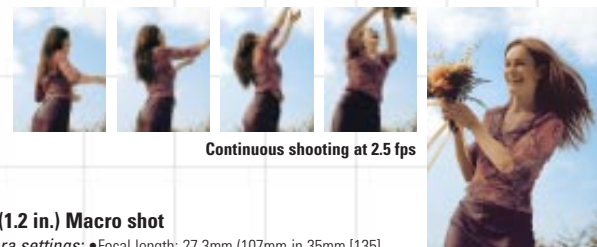
# 3. Incredibly precise image control

Set the image control options according to your needs using features such as White Balance, Image Sharpening and Saturation. White Balance Bracketing automatically captures the same scene at different white balance settings — ideal for shooting in mixed light sources. For those who desire more creative freedom when editing, the COOLPIX 8700 offers RAW data image mode, where your images can be adjusted using Nikon's dedicated software.



# 4. Quick response

Its quick autofocus and minimized start-up and shutter release time lag keep the COOLPIX 8700 ready for action. Now you can take up to five full-size, 8-megapixel (3,264 x 2,448) images at 2.5 frames per second. You'll never miss a decisive moment again.



Continuous shooting at 2.5 fps

### 3cm (1.2 in.) Macro shot

**Camera settings:** • Focal length: 27.3mm (107mm in 35mm [135] equiv.) • Exposure metering: Matrix • Exposure mode: Aperture-Priority Auto • Shutter speed: 1/3 second • Aperture: f/5.2 • Exposure compensation: -0.3 EV

# 5. Advanced shooting capability

Expand your photographic opportunities with the COOLPIX 8700's specialized features. Interval Timer Shooting captures the flow of time, while the Five-Area Multi Autofocus and AF-assist illuminator assure sharp focusing in difficult compositions and low light. And with the 5 shot buffer mode, your last five pictures are recorded just by holding down the shutter release button, so that you're sure to get the shot you want.



Interval Timer Shooting

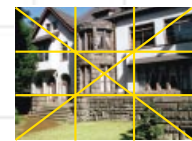


### Long time exposure with Noise Reduction

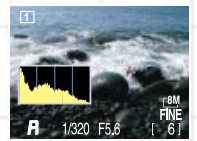
**Camera settings:** • Focal length: 9.5mm (37mm in 35mm [135] equiv.) • Exposure metering: Matrix • Exposure mode: Manual • Shutter speed: 30 seconds • Aperture: f/7.2 • Noise Reduction: ON

# 6. Creative and convenient features

Use the COOLPIX 8700's 12 Scene Modes for optimum results in any situation, or display Framing guides on the LCD monitor in order to achieve an ideal composition. The real-time Histogram display helps you to choose the best exposure value, while the large, easy-to-view GUI (Graphic User Interface) lets you customize your menu to display only your favorite functions.



Framing guides



Real-time Histogram

# 7. System compatibility

Explore more creative photography with the COOLPIX 8700's various accessories. An external Nikon Speedlight attached to the camera's accessory shoe opens up possibilities for multiple-flash photography, while Wideangle, Telephoto and Fisheye Converters help you realize your artistic and photojournalistic potential. A Remote Cord and Lens Hood HN-CP11 for filters are also available.



Shot with Fisheye Converter FC-E9

# 8. Post-shooting possibilities

Nikon View software lets you do more with your images. Once your COOLPIX 8700 is connected to a computer via USB cable, Nikon View launches automatically, letting you view, adjust and print your images — including RAW data.



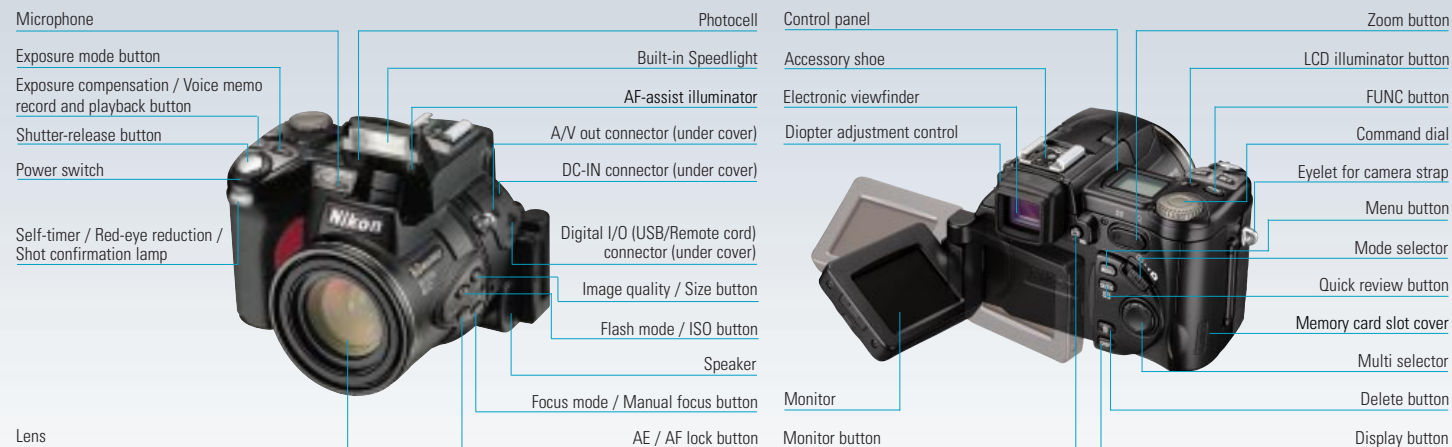
Nikon View

# 8 to activate... your imagination

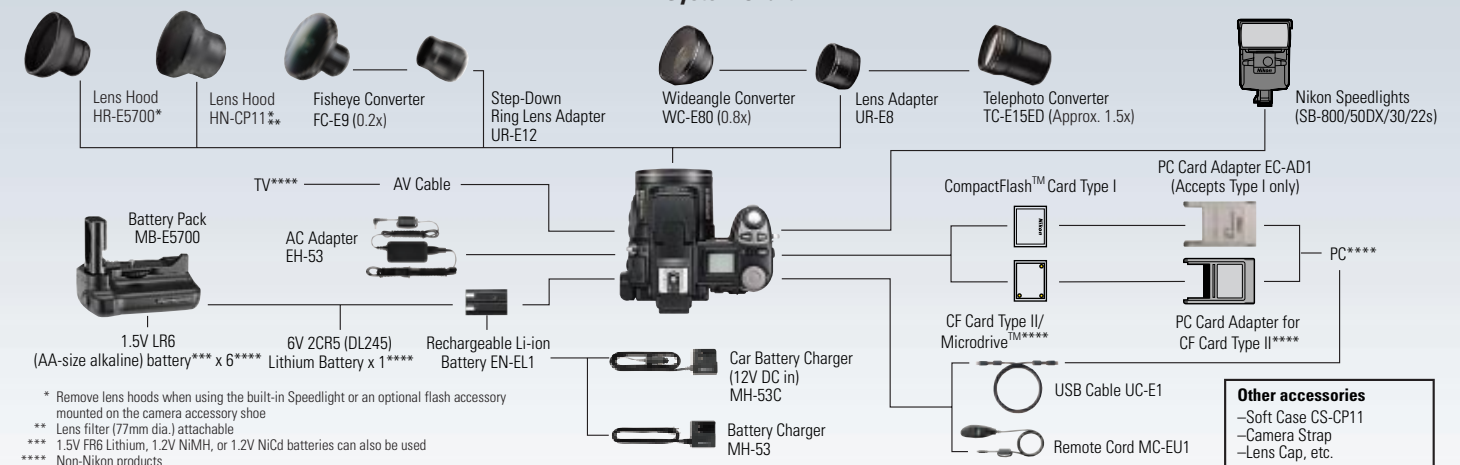
### Additional Features

1. Built-in pop-up Speedlight: Five flash modes including Auto Flash, Flash Cancel, Red-Eye Reduction, Anytime Flash, and Night Portrait (Slow Sync Flash) 2. TV-quality movies up to 35 seconds at 30 fps with audio; Time-lapse movie mode creates QuickTime movies from images taken using the time-lapse feature 3. Best Shot Selector (BSS) automatically selects the sharpest image from a series of consecutive shots 4. Exposure metering modes, including 256-segment Matrix, Center-Weighted, Spot and Spot AF area 5. Long-time exposure modes (Time/Bulb) of up to 10 minutes 6. Voice memo attachment ability for every image (up to 20 seconds each) 7. Compatibility with CF cards including 2GB and larger, as well as Microdrive™ Card 8. Custom menu function, which allows you to create your own menu

### Camera buttons & controls
















### System Chart



# Nikon Digital Camera COOLPIX 8700 Specifications

**Type of camera** Digital camera E8700  
**Effective pixels** 8.0 million  
**CCD** 2/3-inch-type (total pixels: 8.31 million)  
**Image size (pixels)** 8M (3,264 x 2,448), 5M (2,592 x 1,944), 3M (2,048 x 1,536), 2M (1,600 x 1,200), 1M (1,280 x 960), PC (1,024 x 768), TV (640 x 480), 3:2 (3,264 x 2,176) selectable  
**Lens** 8x Zoom-Nikkor; 8.9 - 71.2mm (35mm (135) format equivalent to 35 - 280mm) f/2.8 - 4.2 with macro; 14 elements in 10 groups; all elements are made of environmentally friendly glass; Nikon Super Integrated Coating (SIC) applied; two glass molded ED lens elements included  
**Digital zoom** Up to 4x  
**Autofocus** Contrast-detect TTL AF with AF-assist illuminator; 5-area Multi AF or Spot AF selectable  
**Focus modes** 1) Continuous AF  
 2) Single AF  
 3) Manual Focus (from 3cm [1.2 in.] to infinity [∞]) with focus confirmation indication  
**Focus range** 50cm (19.7 in.) to infinity (∞); 3cm (1.2 in.) to infinity (∞) in Macro mode (middle zoom position)  
**Viewfinder** 0.44-inch type, 235,000-dot, polysilicon TFT color LCD viewfinder; Diopter adjustment: -4 to +1m<sup>-1</sup>  
**LCD monitor** 1.8-inch type, 134,000-dot High Transmissive Advanced TFT LCD monitor with brightness and hue adjustment; frame coverage: approx. 97% (Through, Freeze), 100% (Play)  
**Storage** System: Exif 2.2 file (uncompressed RAW [NEF] and TIFF-RGB or compressed JPEG)  
 Design rule for Camera File system (DCF), Digital Print Order Format (DPOF), QuickTime Motion JPEG (Movie, Audio)  
 Media: CF Card Type I/II, Microdrive™ Card

**Exposure metering** (640 x 480 pixels) at 30 fps; up to 35 seconds, or Sepia movie (320 x 240 pixels) with audio at 5 fps; up to 180 seconds are selectable  
 4-mode TTL metering: 1) 256-segment Matrix [  ], 2) Center-Weighted [  ], 3) Spot [  ], 4) Spot AF area [  ]  
**Exposure control** 1) Programmed Auto with Flexible Program [  ], 2) Shutter-Priority Auto [  ], 3) Aperture-Priority Auto [  ], 4) Manual [  ]  
 Exposure Compensation (±2 EV in 1/3 EV steps); Auto Exposure Bracketing (3 or 5 frames within ±2 EV); AE-BSS (three modes: Highlight, Shadow, Histogram)  
**Exposure range** EV -1.0 to +19.0 (W), EV +0.5 to +19.0 (T)  
**Shutter** Mechanical and charge-coupled electronic shutter; 1/4,000 (with minimum aperture) to 2 s in AUTO [  ] mode and Programmed Auto [  ]; 1/4,000 to 8 s in Shutter-Priority Auto [  ] and Aperture-Priority Auto [  ], 1/4,000 to 8 s and Bulb/Time (up to 10 minutes) in Manual [  ], 1/8,000 to 1/30 s in Ultra HS (high-speed) mode. At some apertures, maximum shutter speed is 1/2,000 s.  
**Aperture** 7-blade iris diaphragm; 10 steps in 1/3 EV increments (to minimum of f/8)  
**Sensitivity** Approximately equivalent to ISO 50, 100, 200, 400, and Auto (auto gain to ISO 200 equivalent)  
**White balance** 1) Auto White Balance with TTL control, 2) 6-mode Manual with fine tuning (Daylight/Incandescent/Fluorescent/Cloudy/Speedlight/Shadow), 3) Preset, 4) White Balance Bracketing 10 or 3-second duration  
**Self-timer** Shooting range: approx. 0.5 - 4.1m (1.6 - 13.5 ft.) (W), approx. 0.5 - 2.7m (1.6 - 8.9 ft.) (T)  
**Built-in Speedlight** Flash modes: 1) Auto Flash, 2) Flash Cancel, 3) Red-Eye Reduction, 4) Anytime Flash, 5) Night Portrait (Slow Sync Flash)  
 Standard ISO hot-shoe contact with safety lock  
 Hotshoe connects to external Nikon Speedlight SB-800/50DX/30/22s; built-in Speedlight can be canceled when using external Speedlight(s)  
**Accessory shoe**  
**External Speedlight**

## Number of frames with 256MB CF Card (approx.)

Image size / Image quality	8M	5M	3M	2M	1M	PC	TV	3:2
RAW	20	-	-	-	-	-	-	-
HI	10	-	-	-	-	-	-	11
FINE	64	100	159	252	391	602	1306	71
NORMAL	126	195	313	489	712	979	1959	142
BASIC	244	373	602	870	1306	1567	2612	279

**Shooting modes** AUTO, SCENE, Custom 1, Custom 2  
**Scene modes** Portrait, Party/Indoor, Night portrait, Beach/Snow, Landscape, Sunset, Night landscape, Fireworks show, Close up, Copy, Back light, and Panorama assist  
**User setting** 1) White balance, 2) (Exposure) Metering, 3) Continuous (Shooting), 4) Best Shot Selector (BSS/AE-BSS), 5) Image adjustment (Auto/Normal/More contrast/Less contrast), 6) Saturation Control (-2 to +2/Black & White), 7) User setting (two combinations of mode setting can be memorized in #1-#2), 8) Image Sharpening, 9) Lens, 10) Exposure options (AE Lock, Bulb/Timed release), 11) Focus options, 12) Zoom options, 13) Speedlight options, 14) Auto Bracketing, 15) Noise Reduction, 16) Reset, 17) My Menu, 18) CF Card Format  
**Capture modes** 1) Single, 2) Continuous H (2.5 fps; up to 5 frames), 3) Continuous L (1.2 fps; up to 12 frames), 4) Multi-shot 16 (consecutive 16 frames at 1.5 fps), 5) Ultra HS (high-speed) (640 x 480 pixels; 30 fps, up to 100 frames), 6) 5 shot buffer (1 fps), 7) Interval Timer Shooting, 8) Movie: TV movie (640 x 480 pixels) with audio at 30 fps; up to 35 seconds, or Small movie (320 x 240 pixels) with audio at 15 fps; up to 180 seconds, Time-lapse movie

**Playback menu options** 1) Full-frame, 2) Thumbnail (4/9 segments), 3) Slide show, 4) Movie with audio, 5) Playback zoom (up to 6x); File information; Shooting information; Histogram indication and highlight point display; Hide and protect attributes can be set to each image; Focus confirmation indication; RAW image playback  
**Interface I/O terminal** DC in; Audio/Video (NTSC or PAL selectable) out; Digital I/O (USB/Remote cord)  
**Power requirements** One Rechargeable Li-ion Battery EN-EL1 (included), Battery Pack MB-E5700 (optional) with six 1.5V LR6 (AA-size alkaline) batteries\*, one 2CR5 (DL245) lithium battery (optional), AC Adapter EH-53 (optional)  
**Battery life (approx.)** 210 images (EN-EL1)/240 images (2CR5). Measured at 20°C [68°F] with fully-charged batteries under standard Nikon test conditions; monitor on, zoom adjusted with each shot, flash used about once every three shots, image quality set to Normal. 113 x 105 x 78mm (4.4 x 4.1 x 3.1 in.)  
**Dimensions (W x H x D)** Approx. 480g (17 oz.) (without battery and storage media)  
**Weight** Lens Cap, Camera Strap, AV Cable, USB Cable UC-E1, Rechargeable Li-ion Battery EN-EL1, Battery Charger MH-53, Nikon View CD-ROM Fisheye Converter FC-E9, Wideangle Converter WC-E80, Telephoto Converter TC-E15ED, Lens Adapter UR-E8, Step-Down Ring Lens Adapter UR-E12, Lens Hood HR-E5700 and HN-CP11, AC Adapter EH-53, Car Battery Charger (12V DC in) MH-53C, Remote Cord MC-EU1, Soft Case CS-CP11, Various size CompactFlash™ cards  
**Accessories included\*\*** \*1.5V FR Lithium, 1.2V NiMH, or 1.2V NiCd batteries can also be used.  
 \*\*Standard accessories may differ by country or area.


## Nikon View System Requirements

Macintosh	OS	Models	RAM	Hard disk	Display	Others
	Mac OS 9.0 - 9.2 Mac OS X (10.1.2 or later)	iMac™, iMac™ DV, Power Macintosh® G3 (Blue & White), Power Mac™ G4 or later, iBook™, PowerBook® G3 or later (only built-in USB ports supported)	64MB or more recommended	60MB required for installation, with additional amount equivalent to twice the capacity of the camera memory card plus 10MB required when Nikon View is running	800 x 600 with 16-bit colors (full color recommended)	CD-ROM drive required for installation
Windows	OS	Models	CPU	RAM	Hard disk	Display
	Windows® 98SE, Windows® Me, Windows® 2000 Professional, Windows® XP Home Edition, Windows® XP Professional pre-installed model	Only models with built-in USB ports supported	Pentium® 300MHz or higher	64MB or more recommended	60MB required for installation, with additional amount equivalent to twice the capacity of the camera memory card plus 10MB required when Nikon View is running	800 x 600 with 16-bit colors (full color recommended)
			Hard disk	Display	Others	
						CD-ROM drive required for installation

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Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2004.

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	<b>WARNING</b>	TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.
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