# COOLPIX® 8700

DIGITAL CAMERA

**Nikon**

thepowerof8ography™

| **8.0** | **8x** OPTICAL | **Mg** | **12** |
|---|---|---|---|
| Effective Megapixels | Zoom-Nikkor Lens | Magnesium Alloy Body | Scene Modes |

# COOLPIX® 8700

## DIGITAL CAMERA

## Key Features and Benefits

☐ **8.0 Effective Megapixels**
for 23MB files that produce stunning
20" x 30" prints

☐ **8x Optical Zoom-Nikkor ED Lens**
for focal length range of 35-280mm.
Includes ED glass for incredible color,
contrast and sharpness

☐ **Electronic Viewfinder** and Vari-Angle
LCD provide for enhanced frame coverage
and bright viewing

☐ **12 Scene Modes** automatically adjust
settings for great pictures instantly

☐ **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

☐ **RAW Image Data Recording Mode**
for maximum image control

☐ **AF Assist** helps to ensure accurate focus
when shooting in dark lighting situations

☐ **PictBridge Compatible**
print directly to any PictBridge or USB
direct enabled printer

☐ **Superior Exposure, Image and
Metering Controls** to maximize the
possibilities and make the most of every
photo opportunity

### Here's what's included:

- Lens Cap
- Camera Strap
- AV Cable
- UC-E1 USB Cable
- EN-EL1 Rechargeable Li-ion Battery
- MH-53 Battery Charger
- Nikon Browsing Software (Coolpix) CD-ROM

**Auto Built-in Pop-up Flash**
minimize red-eye with
Built-in Pop-up Flash

**Rugged
Magnesium
AlloyBody**

**ED glass Lens**
(Extra-low Dispersion)
minimizes chromatic
abberations for crisp, clear shots

**Quick Review**
1.8" LCD Monitor with Quick Review
lets you instantly confirm a shot you
just took or review any of the
other images stored on the
CompactFlash™ Card.

**5-Area
Multi
Autofocus**

**Vari-Angle LCD monitor**
lets you shoot at any angle

**NEW!** **Time Lapse feature in Movie Mode**
Camera takes a series of still images at specified intervals (30 seconds to 60 minutes) and joins these frames together to create a Quicktime™ movie with a frame rate of 30 frames per second.

**Super Telephoto Macro**
Increase your Macro working distance or get as close as 1.2"
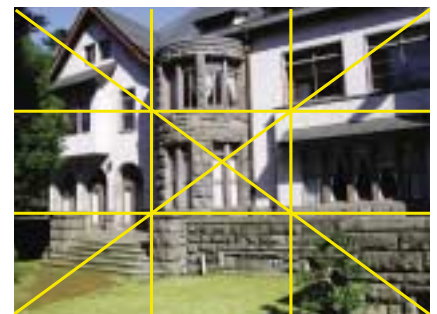
**Hot Shoe**
attach additional speedlights

**Show photos on your TV**

**Enhanced electronic through-the-lens viewfinder**
235,000-dot TFT Color LCD viewfinder with diopter adjustment

**AF-assist illuminator**
to ensure sharp focusing in difficult compositions and low light

**Compatible with CF Cards**
including 2GB and larger, as well as Microdrive™

**Framing Guides**
display framing guides on the LCD monitor in order to achieve an ideal composition

## Optional Accessories:

| | | | | | |
|---|---|---|---|---|---|
| FC-E9** Fisheye Lens | WC-E80* Wide Angle Converter Lens | TC-E15ED* Telephoto Converter Lens | UR-E12 Step Down Ring Lens Adapter | UR-E8 Step Down Ring Lens Adapter | HN-CP11 Lens Hood |
| MB-E5700 Battery Pack | EH-53 AC Adapter | MH-53C Car Battery Charger | MC-EU1 Remote Cord | Leather Carrying Case | |

*requires UR-E8   **requires UR-E12*

## Accessible through the Shooting Menu
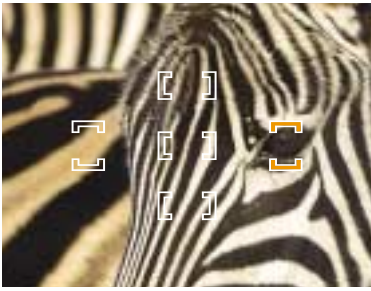
**Five Area
AF Multi-Selector/
Menu Control**

**Saturation Mode**
Control color saturation

**Noise Reduction Mode**
Minimize digital artifacts in long exposures

**White Balance Bracketing**
Ensure proper color balance

**Continuous shooting at 2.5fps**
Now you can take up to five full-size, 8-megapixel (3,264 x 2,448) images at 2.5 frames per second.

## NikonView Software

TRANSFER    BROWSE    VIEW    EDIT

NikonView software comes with every Nikon Coolpix Digital Camera. This powerful application provides all the functionality you need to send, share, save and edit your pictures.
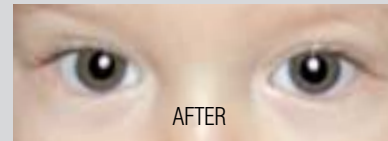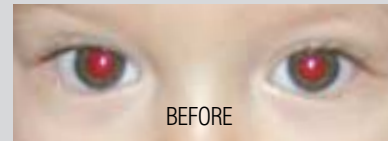
### NIKONVIEW FEATURES INCLUDE:

- Edit & Enhance Shots
- Make Web Pages
- Print
- Upload to the Web
- Send E-mail
- Rename Files
- Create Slide Shows
- Burn CDs

**One-Touch Red-Eye Fix™**
automatically removes most typical occurrences of red-eye with the click of a mouse

BEFORE

AFTER

## Versatile 12 Scene Modes

Twelve programmed Scene Modes make it easy to capture optimal results in the most diverse shooting situations. With the COOLPIX 8700, anyone, even a novice photographer, can take great images simply by choosing the appropriate mode for the next picture.
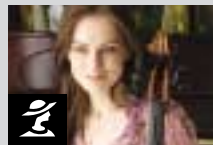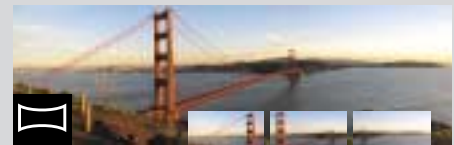
Portrait

Party/Indoor

Night Portrait

Beach/Snow

Sunset

Night Landscape

Landscape

Close Up

Copy

Fireworks Show

Back Light

Panorama Assist

**Portrait**
Emphasizes a subject with natural skin tones against a soft, pleasing background.

**Panorama Assist**
Allows you to take several side-by-side images, all at the same exposure and white balance setting, then combine them later using the "Panorama Maker™" photo editing software (supplied) to create spectacular wide-vista photos.

**Close Up**
With precise manual focus area selection and appropriate coloration, this mode makes detailed subjects stand out from the background.

**Landscape**
Emphasizing depth-of-field, this mode captures distant scenes sharply and clearly, for postcard-like landscape pictures.

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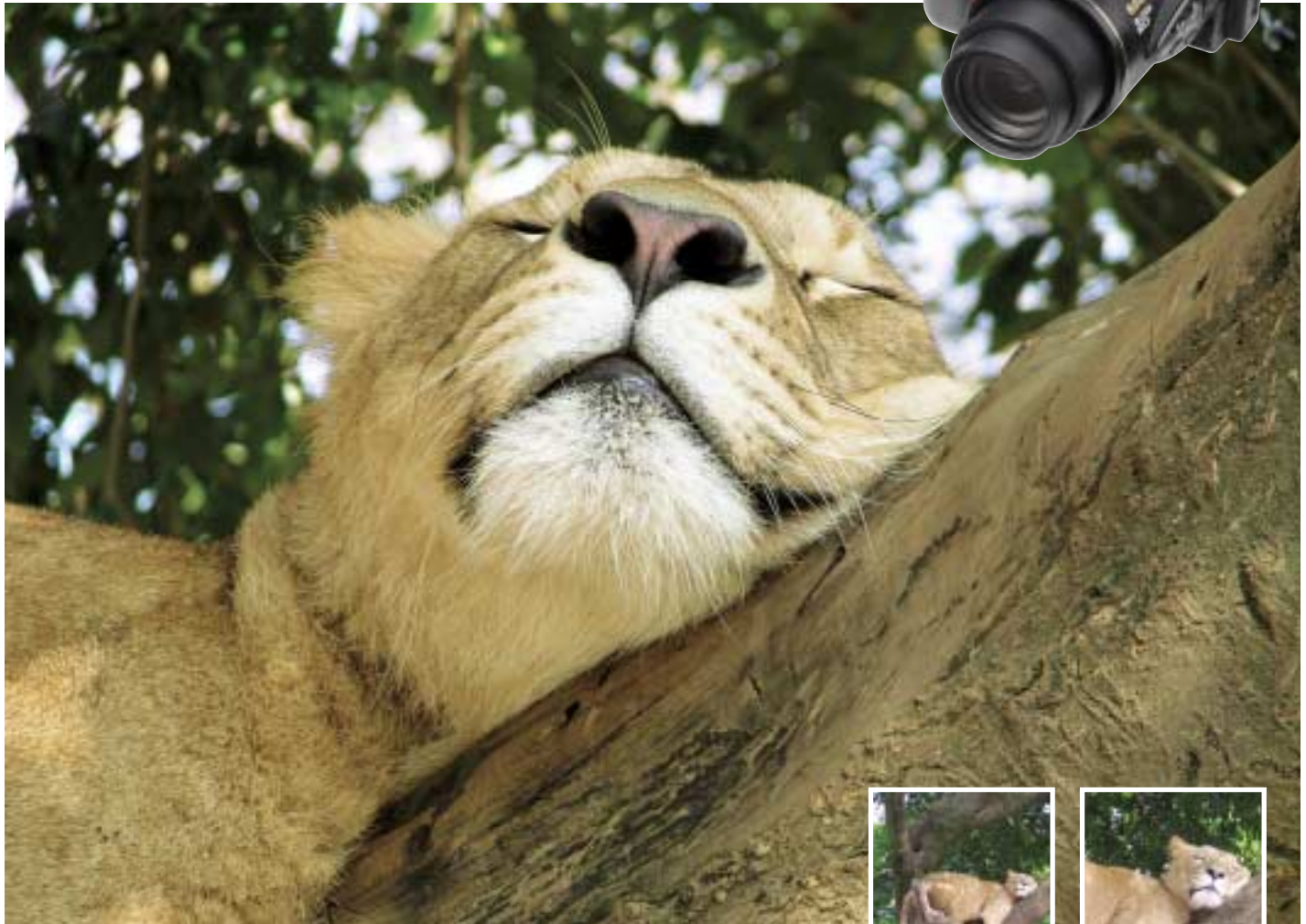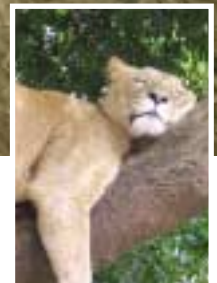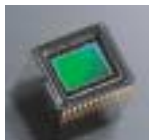


35mm equiv.

280mm equiv.

## 8-megapixel resolution

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

## 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 1.2 in. (3cm). This combination is supported by Nikon's world-renowned optical technology, with two **ED glass** elements delivering crisp, clear images while minmizing chromatic abberation — 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.

# Nikon Coolpix® 8700

## Digital Camera Specifications

| | |
|---|---|
| **Type of camera** | Digital camera E8700 |
| **Effective pixels** | 8.0 million |
| **CCD** | 2/3-inch-type CCD (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 1.2 in. [3cm] to infinity (∞) with focus confirmation indication) |
| **Focus range** | 19.7 in. (50cm) to infinity (∞); 1.2 in. (3cm) 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$^{-1}$ |
| **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 |

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

| Image Size: | 8M | 5M | 3M | 2M | 1M | PC | TV | 3:2 |
|---|---|---|---|---|---|---|---|---|
| HI | 20 | — | — | — | — | — | — | — |
| RAW | 10 | — | — | — | — | — | — | 11 |
| FINE | 64 | 100 | 159 | 252 | 391 | 602 | 1306 | 71 |
| NORMAL | 126 | 195 | 313 | 489 | 712 | 979 | 1959 | 172 |
| BASIC | 244 | 373 | 602 | 870 | 1306 | 1567 | 2612 | 279 |

*(left-margin label: Image Quality)*

| | |
|---|---|
| **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, Close up, Copy, Back light, and Panorama assist |
| **User setting** | 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 (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 |
| **Exposure metering** | 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 [P], 2) Shutter-Priority Auto [S], 3) Aperture-Priority Auto [A], 4) Manual [M]; 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 [P]; 1/4,000 to 8 s in Shutter-Priority Auto [S] and Aperture-Priority Auto [A], 1/4,000 to 8 s and Bulb/Time (up to 10 minutes) in Manual [M], 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/Shade), 3) Preset, 4) White Balance Bracketing |
| **Self-timer** | 10 or 3-second duration |

| | |
|---|---|
| **Built-in Speedlight** | Shooting range: approx. 1.6 - 13.5 ft. (0.5 - 4.1m) (W), approx. 1.6 - 8.9 ft. (0.5 - 2.7m) (T) Flash modes: 1) Auto Flash, 2) Flash Cancel, 3) Red-Eye Reduction, 4) Anytime Flash, 5) Night Portrait (Slow Sync Flash) |
| **Accessory shoe** | Standard ISO hot-shoe contact with safety lock |
| **External Speedlight** | Hotshoe connects to external Nikon Speedlight SB-800/50DX/30/22s; built-in Speedlight can be canceled when using external Speedlight(s) |
| **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** | USB |
| **I/O terminal** | DC in; Audio/Video (NTSC or PAL selectable) out; Digital I/O (USB/Remote cord) |
| **Power requirements** | One EN-EL1 Rechargeable Li-ion Battery (included), MB-E5700 Battery Pack (optional) with six 1.5V LR6 (AA-size alkaline) batteries*, one 2CR5 (DL245) lithium battery (optional), EH-53 AC Adapter (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. |
| **Dimensions (W x H x D)** | 4.4 x 4.1 x 3.1 in. (113 x 105 x 78mm) |
| **Weight** | Approx. 17 oz. (480g) (without battery and storage media) |
| **Accessories included** | Lens Cap, Camera Strap, AV Cable, UC-E1 USB Cable, EN-EL1 Rechargeable Li-ion Battery, MH-53 Battery Charger, NikonView CD-ROM |
| **Optional accessories** | FC-E9 Fisheye Converter, WC-E80 Wideangle Converter, TC-E15ED Telephoto Converter, UR-E8 Lens Adapter, UR-E12 Step-Down Ring Lens Adapter, HN-CP11 Lens Hood, EH-53 AC Adapter, MH-53C Car Battery Charger (12V DC in), MC-EU1 Remote Cord, Case, Various size CompactFlash™ cards |
| **NikonView 6 System requirements for Macintosh** | OS: Mac® OS 9.0 - 9.2 (only built-in USB ports supported), Mac® OS X (10.1.3 or later)<br>Models: iMac™, iMac™ DV, Power Macintosh® G3 (Blue & White), Power Mac™ G4 or later; iBook™, PowerBook® G3 or later (only built-in USB ports supported)<br>RAM: 64MB or more recommended<br>Hard disk: 60MB required for installation, with additional amount equivalent to twice the capacity of the camera memory card plus 10MB required when NikonView 6 is running<br>Display: 800 x 600 with 16-bit colors (full color recommended)<br>Others: CD-ROM drive required for installation |
| **NikonView 6 System requirements for PC** | OS: Windows® 98SE, Windows® Me, Windows® 2000 Professional, Windows® XP Home Edition, Windows® XP Professional pre-installed model<br>Models: Only models with built-in USB ports supported<br>CPU: 300MMX® Pentium® or faster<br>RAM: 64MB or more recommended<br>Hard disk: 60MB required for installation, with additional amount equivalent to twice the capacity of the camera memory card plus 10MB required when NikonView 6 is running,<br>Display: 800 x 600 with 16-bit colors (full color recommended)<br>Others: CD-ROM drive required for installation |
| **Product Number:** | 25515   UPC code 018208255153 |

### Additional accessories can be found at www.nikoncoolpix.com on the Coolpix 8700 page

PictBridge  ArcSoft™ Digital Imaging • Internet • Entertainment SOFTWARE FOR PEOPLE  QuickTime™  Pixology IRISS

*1.5V FR Lithium, 1.2V NiMH, or 1.2V NiCd batteries can also be used.
**Standard accessories may differ by country or area.

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**If the picture matters** the camera matters™

Nikon
At the heart of the image™