



COOLPIX 8400

DIGITAL CAMERA

Key Features and Benefits

- ▣ **8.0 Effective Megapixels** for photo-quality prints beyond 20" x 30"
- ▣ **3.5x Ultra-Wide Angle Optical Zoom-Nikkor ED 24-85mm Lens** (35mm equivalent) for capturing incredible, sharp, clear images
- ▣ **15 Scene Modes** automatically adjust controls for great pictures instantly
- ▣ **Nikon In-Camera Red-Eye Fix™** automatically corrects for red-eye in most typical situations
- ▣ **Nikon D-Lighting Exposure Correction** automatically compensates for insufficient flash or excessive backlight
- ▣ **Compact All-Metal Body** provides a strong yet lightweight easy-to-carry camera
- ▣ **Electronic Viewfinder** and **Vari-Angle LCD** provide for enhanced frame coverage and bright viewing
- ▣ **Movie Mode** allows the capture of live action with sound with Electronic VR
- ▣ **Superior Exposure**, Image, Metering and Speedlight Controls to maximize the possibilities. Compatible with Nikon speedlights SB-600 and SB-800
- ▣ **PictBridge Compatibility** allows direct printing to any PictBridge or USB direct enabled printer
- ▣ **Fast (Hybrid) AF** achieves sharp results when shooting spontaneous moments
- ▣ **Electronic VR** in Movie Mode reduces the effects of camera shake
- ▣ **Auto Color Enhancement** provides automatic enhancement to color that makes it more pleasing to the eye
- ▣ **New EN-EL7 Rechargeable Battery & Charger Included** for extended battery life of up to 260 images on a charge

Everything you need to get started:

- Strap
- USB Cable
- Audio Video Cable
- EN-EL7 Li-ion Rechargeable Battery
- MH-56 Battery Charger
- PictureProject CD-ROM
- ML-L3 Remote Controller



Auto Built-in Pop-up Flash

AF-Assist Illuminator
sharp focusing in low-light situations



Rugged Magnesium Alloy Body



3.5x Zoom-Nikkor ED glass Lens
(Extra-low Dispersion) minimizes chromatic aberrations for crisp, clear shots



Use **Monitor Button** to switch from Electronic Viewfinder to LCD viewing

Hot Shoe

attach additional speedlights i-TTL speedlight compatibility with SB-600 and SB-800

Mode Dial

one-touch operation on the dial

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.



Quick Review Playback

Vari-Angle LCD monitor lets you shoot at any angle

Nikon In-Camera Red-Eye Fix™:

This in-camera feature automatically removes most typical occurrences of red-eye. You may never see red-eye again.



Nikon D-Lighting:

In playback mode, D-Lighting will compensate for underexposed areas or insufficient flash without affecting properly exposed areas.



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.



The Coolpix 8400 System (optional accessories)



Through the Shooting Menu

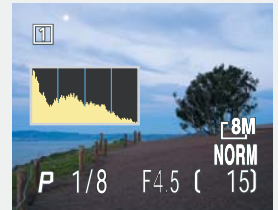
Framing Guides

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



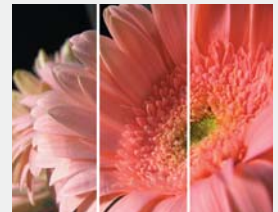
Real-time Histogram

Real time display of image data to confirm exposure and make adjustments



Saturation Mode

Control color saturation



Noise Reduction Mode

Minimize digital artifacts in long exposures



White Balance Bracketing

Ensure proper color balance



Autofocus/Metering Options:

Choose the **autofocus option** you want to use.

Fast (Hybrid) AF

AF ranging sensor estimates distance before camera focuses achieving sharp results when subject is moving erratically

Standard AF

Camera focuses using contrast detection



Manual 9-Area Multi-AF

Pick the **metering option** that is right for your shot.



Matrix Metering

optimal exposure is measured by comparing 256 areas of the frame



Spot metering

optimal exposure is measured by using 1/32 from the center of the frame



Center Weighted Metering

optimal exposure is measured by using 1/4 from the center of frame



Spot AF Area

exposure is linked to active focus area

Versatile 15 Scene Modes



Fifteen programmed Scene Modes make it easy to capture optimal results in the most diverse shooting situations. With the COOLPIX 8400, 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



Dawn/Dusk



Sunset



Night Landscape



Landscape



Close Up



Museum



Copy



Fireworks Show



Back Light



Panorama Assist



Sports



Portrait

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



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.



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.

PictureProject Software



Nikon is proud to introduce the next generation of imaging software, Nikon PictureProject.

Nikon PictureProject™ is a fast and powerful tool for organizing and working with your pictures easily and intuitively.

PictureProject will let you transfer your pictures from your camera seamlessly. You can then edit, remove red-eye, enhance, crop, print, e-mail, post pictures to the web or create a photo album. You can even publish them to your PDA, create slideshows with music or stitch together a number of pictures to create a stunning panorama.

With Nikon PictureProject you can spend more time taking pictures instead of managing them and then easily store, organize and share your memories.

PictureProject will work with Windows® 98SE, 2000, ME & XP as well as Mac OS® X (10.1.5 or later).



Continuous shooting at 2.3 fps

Now you can take up to five full-size, 8-megapixel (3,264 x 2,448) images at 2.3 frames per second.

AE Best Shot Selector:

AE-BSS for the proper exposure

AE-BSS (Auto Exposure - Best Shot Selector) automatically selects the best relative exposure from a series of consecutive images. Select from three modes: Highlight mode, Shadow mode, and Histogram mode.



Highlight mode



Shadow mode

If getting the whole picture matters, wide angle matters.



24mm Ultra Wide Angle lens - the widest in its class

© 2004 Bruce Dale

8-megapixel resolution



The COOLPIX 8400 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.

3.5x Zoom-Nikkor ED lens



The 3.5x ultra-wide, zoom gives you the power of a **24-85mm** (35mm 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 **Pro-Quality 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 8400'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 8400 to preserve a faithful reproduction of color, detail and gradation.

If the picture matters the camera matters **Nikon**

Nikon Coolpix 8400

Digital Camera Specifications

Type of camera:	Digital camera E8400							
Effective pixels:	8.0 million							
CCD:	2/3-inch-type (total pixels:8.31 million)							
Image size (pixels):	8M (3,264 x 2,448), 3:2 (3,264 x 2,176), 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) selectable							
Lens:	3.5x Zoom-Nikkor; 6.1-21.6mm [35mm (135) format equivalent to 24-85mm]; f/2.6-4.9; 10 elements in 7 groups; two glass molded ED lens elements included							
Digital zoom:	Up to 4x							
Autofocus:	Ranging AF using AF ranging sensor and contrast-detect TTL AF with AF-assist illuminator; Center, Auto 5-area multi AF, manual 9-area multi 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 (∞) (W), 7.9 in.(20cm) to infinity (∞) (T) in macro and manual focus modes							
Viewfinder:	0.44-inch type, 235,000-dot, polysilicon TFT color LCD viewfinder; Diopter adjustment: -3 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% horizontal and vertical (shooting)							
Storage:	Media: Type I and II CompactFlash™ (CF) and Microdrive™ cards File system: Compliant with Design Rule for Camera File System (DCF)*, Exif 2.2**, and Digital Print Order Format (DPOF) File formats: RAW (NEF) and TIFF-RGB (uncompressed), JPEG-baseline-compliant (1:2, 1:4, 1:8, 1:16)(compressed), QuickTime (movies), WAV (sound files) *A standard widely used in the digital camera industry to ensure compatibility among different makes of camera. **Exchangeable Image File Format for Digital Still Cameras. Version 2.2 allows information stored with pictures to be used for optimal color reproduction when images are output on Exif-compliant printers.							
Number of frames with 256MB CF Card (approx.)								
Image Size:	8M 5M 3M 2M 1M PC TV 3:2							
Image Quality	RAW	20	—	—	—	—	—	—
	HI	20	—	—	—	—	—	10
	FINE	30	50	80	130	200	310	35
	FINE	60	100	155	250	390	600	1305
	NORMAL	125	195	310	485	710	975	1955
BASIC	240	370	600	870	1305	1565	2610	275
Shooting modes:	AUTO, SCENE, P, S, A, M, MOVIE							
Scene modes:	Portrait, Party/Indoor, Night portrait, Beach/Snow, Landscape, Sunset, Night landscape, Museum, Fireworks show, Close up, Copy, Back light, Panorama assist, Sports, and Dusk/Dawn							
Shooting menu:	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 as #1-#2), 8) Image mode, 9) Sensitivity, 10) Image Sharpening, 11) Lens, 12) Exposure options (AE Lock, Bulb/Timed release), 13) Focus options, 14) Zoom options, 15) Speedlight options, 16) Auto Bracketing, 17) Noise Reduction, 18) Reset, 19) My Menu, 20) CF Card Format							
Capture modes:	1) Single, 2) Continuous H (2.3fps; up to 5 frames), 3) Continuous L (1.2fps; up to 11 frames), 4) Multi-shot 16 (16 consecutive frames at 1.6fps), 5) Ultra HS (highspeed) (640 x 480 pixels; 30fps; up to 100 frames), 6) 5 shot buffer (0.7fps), 7) Interval Timer Shooting, 8) Movie*: TV movie 640 (640 x 480pixels)with audio at 30fps; up to 60 seconds, Small movie 320(320 x 240 pixels) with audio at 15fps; up to 895 seconds, Time-lapse movie (640 x 480 pixels) at 30fps; up to 35 seconds (1,050 frames); Sepia movie 320 (320 x 240 pixels) with audio at 5fps; up to 895 seconds; B/W movie 320 (320 x 240 pixels) with audio at 15fps; up to 895 seconds are selectable *Approximate maximum total length [256MB card], may vary with make of card.							
Exposure metering:	4-mode TTL metering: 1) 256-segment Matrix, 2) Spot, 3) Center-Weighted, 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 (±2EV in 1/3EV steps); Auto Exposure Bracketing; AE-BSS							
Exposure range:	EV 0.0 to +18.5 (W), EV +1.5 to +18.5 (T)							

Shutter:	Mechanical and charge-coupled electronic shutter; 2-1/3,000 s (auto and exposure mode P), 8-1/3,000 s (exposure modes S and A), BULB/TIME (max. 10 min.) and 8-1/3,000 s (exposure mode M), 1/30-1/8,000 s (Ultra HS). Maximum at some apertures is 1/1,500 s.
Aperture:	7-blade iris diaphragm; 10 steps in 1/3EV increments (to minimum of f/7.9)
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 tune ng (Daylight/Incandescent/Fluorescent/Cool White/Speedlight/Shadow), 3) Preset, 4) White Balance Bracketing
Self-timer:	10 s or 3 s; can be used with supplied remote controller ML-L3
Built-in Speedlight:	Shooting range: approx. 1.8-19.8 ft. (0.5-6.0m)(W), approx. 1.8-9.1 ft. (0.5-3.0m)(T) Flash modes: 1) Auto Flash, 2) Flash Cancel, 3) Red-eye Reduction (In-Camera Red-Eye Fix™), 4) Anytime Flash, 5) Night Portrait (Slow Sync Flash), 6) Rear Curtain Sync; Sync method: Standard i-TTL flash
Accessory shoe:	Standard ISO hot-shoe contact with safety lock
External Speedlight:	Hot shoe connects to external Nikon Speedlight SB-800/600
Playback menu options:	1) Full-frame, 2) Thumbnail (4/9 segments), 3) Slide show, 4) Movie with audio, 5) Playback zoom (up to 10x); 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; Small picture; D-Lighting
Interface:	USB 2.0 (HI-SPEED)
I/O terminal:	DC in; Audio/Video (NTSC or PAL selectable)out; Digital I/O (USB)
Supported languages:	German/English/Spanish/French/Italian/Dutch/Swedish/Japanese/Simplified Chinese/Traditional Chinese/Korean selectable in menu display
Power requirements:	One Rechargeable Li-ion Battery EN-EL7 (included), Battery Pack MB-CP10 (optional) with six 1.5V LR6 (AA-size alkaline) batteries* AC Adapter EH-54 (optional) *1.5V FR Lithium, 1.2V NiMH, or 1.2V NiCd batteries can also be used.
Battery life (approx.):	260 images (EN-EL7; based on CIPA standard*) *Industry standard for measuring life of camera batteries. Measured at 25 °C (77 °F); zoom adjusted with each shot, built-in Speedlight fired with every other shot, image mode set to NORMAL/8M.
Dimensions (W x H x D):	Approx. 4.4 x 3.2 x 3.0 in. (113 x 82 x 75mm)
Weight:	Approx. 14.1 oz (400g)(without battery and storage media)
Supplied Accessories*:	Lens Cap, Strap, USB cable, Audio/Video cable, EN-EL7 Rechargeable Li-ion Battery, MH-56 Battery charger, ML-L3 Remote Controller, PictureProject CD-ROM *Supplied accessories may differ by country or area.
Optional Accessories:	Additional EN-EL7 Rechargeable Li-ion Battery, EH-54 AC Adapter, MB-CP10 Battery Pack, Soft Case, Various size CompactFlash™ Cards, FC-E9 Fisheye Converter, UR-E16 Step-Down Ring Lens Adapter, TC-E3ED/TC-E3PF Telephoto Converter, UR-E15 Step-Down Ring Lens Adapter, WC-E75 Wide-angle Converter, UR-E14 Step-Down Ring Lens Adapter HV-CP12, Lens Hood, SB-800/600 Speedlight, COOLPIX Filter FF-CP10NC/FF-CP10CPU/FF-CP10ND4, MSV-01 Digital Photo Storage Viewer COOLWALKER
PictureProject System requirements for Macintosh	OS: Mac® OS X (10.1.5 or later), RAM: 64 MB or more recommended Hard disk: 60 MB required for installation Display: 800 x 600 with 16-bit colors (full color recommended) Others: CD-ROM drive required for installation
PictureProject System requirements for Windows	OS: Windows® 98SE, Windows® ME, Windows® 2000 Professional, Windows® XP Home Edition, Windows® XP Professional pre-installed model RAM: 64 MB or more recommended Hard disk: 60 MB required for installation Display: 800 x 600 with 16-bit colors (full color recommended) Others: CD-ROM drive required for installation
Product Number:	25521 UPC code: 018208255214



Additional accessories can be found at www.nikondigitalusa.com on the Coolpix 8400 page

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CDP-8400-01



At the heart of the image™



DIGITAL CAMERA
COOLPIX
8400

← If getting the whole picture matters, wide angle matters. →



COOLPIX
8400

8.0 MEGA
PIXELS
ED

8.0

Effective
Megapixels

3.5x

Ultra Wide Angle
Zoom-Nikkor ED Lens

Mg

Magnesium
Alloy Body

15

Scene
Modes