Additional Features
- Direct printing available with PictBridge compatible printers
- Versatile JPEG and NEF (RAW) combination filing system
- On-Demand grid lines displayed in viewfinder
- Supports CompactFlash™ cards (Type I/II) and MicroDrive
  - Compatible with FAT32 format and Lexar WA technology
- EN-EL3* rechargeable Li-ion battery supplied, as is a battery holder for use with three CR2 batteries

  *Approx. 400 shots can be taken with a fully charged EN-EL3 battery (as determined by Nikon performance tests)
- Depth-of-field preview button aids composition accuracy
- Supports the Image Dust Off feature in Nikon Capture 4 (ver. 4.1)
- Wireless remote control operation possible
- Protective clear LCD cover

Optional Accessories
- AF, AF-S and DX Nikkor lenses
- AF-S DX Zoom-Nikkor 18-70mm f/3.5-4.5G IF-ED
- Remote controller ML-L3
- New SB-600 and SB-800 Speedlights
- COOLWALKER MSV-01 digital photo storage viewer
- Nikon Capture 4 (ver. 4.1) software

AF-S DX Zoom-Nikkor 18-70mm f/3.5-4.5G IF-ED

SB-600 Speedlight

COOLWALKER MSV-01 digital photo storage viewer

Nikon Digital SLR Camera D70 Specifications

Type of Camera	Single-lens reflex digital camera
Effective Pixels	6.1 million
Image Sensor	RGB CCD, 23.7 x 15.6 mm; total pixels: 6.31 million
Image Size (pixels)	3008 x 2000 [L], 2240 x 1448 [M], 1504 x 1000 [S]
Sensitivity	200 to 1600 (ISO equivalent) in steps of 1/3 EV
Storage Media	CompactFlash™ (CF) Card (Type I and II) and Microdrive™
Storage System	Compressed NEF (RAW): 12-bit lossless compression, JPEG: JPEG baseline-compliant
File System	Exif 2.2, Compliant DCF 2.0 and DPOF
White Balance	Auto (TTL white balance with 1,005 pixels RGB sensor), six manual modes with fine-tuning, preset white balance, white balance bracketing possible
LCD Monitor	1.8-in., 130,000-dot, low-temperature polysilicon TFT LCD with brightness adjustment
Playback Function	1 frame: Thumbnail (4 or 9 segments); Magnifying playback; Slide show; Histogram indication; Highlight point display; Auto image rotation
Delete Function	Card format, All frames delete, Selected frames delete
Interface	USB
Compatible Lenses*1	1) DX Nikkor: All functions supported 2) Type G- or D-AF Nikkor: All functions supported 3) Micro Nikkor 85 mm F2.8D: All functions supported except autofocus and some exposure modes 4) Other AF Nikkor*2: All functions supported except 3D color matrix metering, i-TTL balanced Fill-Flash for digital SLR 5) AI-P Nikkor: All functions supported except 3D color matrix metering, i-TTL balanced Fill-Flash for digital SLR, and autofocus 6) Non-CPU: Can be used in exposure mode M, but exposure meter does not function; electronic range finder can be used if maximum aperture is f/5.6 or faster *1 IX Nikkor lenses can not be used *2 Excluding lenses for F3AF
Picture Angle	Equivalent in 35 mm [135] format is approx. 1.5 times lens focal length
Viewfinder	Optical fixed pentaprism; Built-in diopter adjustment (-1.6 to +0.5 m⁻¹)
Eyepoint	18 mm (-1.0 m⁻¹)
Focusing Screen	B-type BriteView clear matte screen II with superimposed focus brackets and On-Demand grid lines
Viewfinder Frame Coverage	Approx. 95 %
Viewfinder Magnification	Approx. 0.75x with 50mm lens at infinity; -1.0 m⁻¹
Autofocus	TTL phase detection by Nikon Multi-CAM900 autofocus module with AF-assist illuminator (approx. 0.5 m to 3.0 m) Detection range: EV -1 to +19 (ISO 100 equivalent, 20 °C)
Lens Servo	1) Autofocus (AF): single-servo AF (AF-S); continuous servo AF (AF-C); predictive focus tracking automatically activated according to subject status 2) Manual focus (M)
Focus Area	Can be selected from 5 focus areas
AF Area Mode	1) Single Area AF, 2) Dynamic Area AF, 3) Closest Subject Priority Dynamic Area AF
Focus Lock	Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button
Exposure Metering System	TTL full-aperture exposure metering system 1) 3D color matrix metering with 1,005-pixel RGB sensor 2) Center-weighted: Weight of 75 % (8 mm-dia. circle) given to 6, 8, 10, or 13 mm dia circle in center of frame, or weighting based on average of entire frame 3) Spot: Meters 2.3 mm-dia. circle (about 1% of frame) centered on active focus area

Exposure Metering Range	1) EV 0 to 20 (3D color matrix or center-weighted metering) 2) EV 3 to 20 (spot metering) (ISO 100 equivalent, f/1.4 lens, 20 °C)
Exposure Mode	Digital Vari-Program (Auto, Portrait, Landscape, Close up, Sports, Night landscape, Night portrait), programmed auto [P] with flexible program; shutter-priority auto [S]; aperture priority auto [A]; manual [M]
Exposure Compensation	±5 EV in increments of 1/3 or 1/2 EV
Auto Exposure Lock	Luminosity locked at detected value with AE-L/AF-L button
Auto Exposure Bracketing	Two or three frames ±2 EV in 1/3 or 1/2 steps
Shooting Modes	1) Single frame shooting mode 2) Continuous shooting mode: approx. 3 frames per second (up to 12 consecutive shots with JPEG format, 4 shots with RAW format) 3) Self-timer/remote control mode
Shutter	Combined mechanical and CCD electronic shutter, 30 to 1/8000 s in steps of 1/3 or 1/2 EV, bulb
Sync Contact	X-contact only; flash synchronization at up to 1/500 s
Flash Control	1) TTL: TTL flash control by 1,005 pixel RGB sensor to • Built-in Speedlight: i-TTL balanced Fill-Flash or standard i-TTL flash (spot metering or mode dial set to M) • SB-800 or 600: i-TTL balanced Fill-Flash or standard i-TTL flash (spot metering) 2) Auto aperture: Available with SB-800 and 600 with CPU lens 3) Non-TTL Auto: Available with Speedlights such as SB-800, 80DX, 28DX, 28, 27, and 22s 4) Range-priority manual available with SB-800 and 600
Flash Sync Mode	1) Front-Curtain Sync (normal sync), 2) Red-Eye Reduction, 3) Red-Eye Reduction with Slow Sync, 4) Slow Sync, 5) Rear-Curtain Sync
Built-in Speedlight	🏃, ✿, 🌷, 📷 : auto flash with auto pop-up [P], [S], [A], [M]: manual pop-up with button release Guide number (ISO 200/ISO 100, m): approx. 15/11 (manual full 17/12)
Flash Compensation	-3 to +1 EV in increments of 1/3 or 1/2 EV
Ready-light	Lights when SB-series Speedlight such as SB-800, 600, 80DX, 28DX, 50DX, 28, 27, or 22s is fully charged; blinks for 3s after flash is fired at full output
Accessory Shoe	Standard ISO hot-shoe contact with safety lock provided
Self-timer	Electronically controlled timer with 2 to 20 s duration
Depth-of-field Preview	When CPU lens is attached, lens aperture can be stopped down to value selected by user ([A] and [M] modes) or value selected by camera (Digital Vari-Program, [P], and [S] modes)
Remote Control	ML-L3 wireless remote cotroller (option)
Power Source	One rechargeable Nikon EN-EL3 Li-ion battery • Three CR2 lithium batteries (with supplied MS-D70 CR2 battery holder) • EH-5 AC adapter (option)
Tripod Socket	1/4 in. (ISO 1222)
Dimensions (W x H x D)	Approx. 140 x 111 x 78 mm
Weight (without battery)	Approx. 595g without battery, memory card, body cap, or monitor cover
Supplied Accessories*	Strap, Body cap, Eyepiece cap, LCD monitor cover, Video cable, USB cable, Rechargeable Li-ion battery EN-EL3, Quick Charger MH-18, Nikon Software CD-ROM, MS-D70 CR2 battery holder
Optional Accessories	Rechargeable Li-ion Battery EN-EL3, Multi Charger MH-19, Quick Charger MH-18, AC Adapter EH-5, Speedlight SB-800/600, Nikon Capture 4 (ver. 4.1) Software, Semi-soft Case CF-D70, Remote Controller ML-L3, CompactFlash™ Card
	*Supplied Accessories may differ in each country or area

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

⚠ WARNING | TO ENSURE CORRECT USAGE, READ MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT. SOME DOCUMENTATION IS SUPPLIED ON CD-ROM ONLY.

PictBridge

Exif Print

THE OPEN CHAMPIONSHIP

En

DIGITAL SLR CAMERA
Nikon D70

At the heart of the image

The digital SLR designed to satisfy your love of pictures.

D70

Enjoy the advanced features, high performance and superb quality of the new digital Nikon D70 digital SLR. Enjoy being empowered by Nikon!

■ 6.1 megapixel Nikon DX Format CCD, advanced digital image processing, and Nikkor optics for vivid photos with sharp detail.

■ Optimized mating of photographic and digital technologies for quick response capable of catching all the action.

■ Accurate white balance, precision metering, and tone and color control reproduce even the subtlest details for stunning results.

■ Nikkor lenses, i-TTL built-in Speedlight, plus Nikon Capture software for versatility and creative freedom.

Quick Response

Nikon's Total Imaging System

Accurate, Vivid Color

New Digital Vari-Program

Accessory shoe

Diopter adjustment

Shooting mode / Format

Mode dial

AE-L / AF-L

Multi selector

Bracketing

Play

Menu

Thumbnail / Sensitivity

Protect / WB / Help

Enter / Image quality

Main command dial

Memory card slot cover

Focus area lock

1.8-inch LCD monitor

Delete

User-friendly controls include the Mode dial for direct access to the new Digital Vari-Program selections

Enjoy advanced and easy shooting
Ergonomic design means the D70's light, compact body fits the hand well, and ensures easy access to controls; operation is familiar and intuitive. The high eye-point optical viewfinder features high magnification to make composing each shot a pleasant experience. The large, clear LCD monitor displays bigger menu fonts and icons, and automatically rotates vertical shots on playback for added viewing ease and versatility. And, the high-energy lithium-ion battery delivers the power to take hundreds of shots in a single charge.

At the heart of great pictures
The D70 is equipped with a Nikon DX Format CCD image sensor that captures 6.1 effective megapixel images with high resolution for sharp details. A state of the art LSI chip programmed with next generation algorithms functions at the heart of the camera, handling digital image processing while optimizing image quality and system performance. It also controls auto white balance, auto tone and color control, and real-time processes to diminish digital noise in long exposure shots.

High performance for greater shooting pleasure
Turn on the D70 and it's ready to shoot immediately. Press the shutter button and it responds without hesitation. Images are processed and recorded to the CompactFlash card extremely fast, even when using compressed Nikon Electronic Format (RAW) files to fit more high quality NEF images onto each card. Images appear on the D70's bright LCD monitor with almost no delay. Nikon's 5-area Multi-CAM900 autofocus ensures a fast and precise focus lock under virtually any lighting condition. And, the D70 can capture up to 12 (JPEG NORMAL-Large) images in its oversize buffer at a rapid 3 frames per second.

Ingenuity for optimized and predictable results
The D70 offers a combination of personal control and powerful automatic operation that helps you achieve great results under even complex shooting conditions. Seven new Digital Vari-Program selections for ultimate automatic operation optimize white balance, sharpening, tone, color, saturation and hue for crisp and vivid results. For example, Portrait Program reproduces beautiful skin tones and texture with soft focus in the background that highlights the subject. The other programs provide Auto, Landscape, Close-up, Sports, Night landscape, and Night portrait optimization.

Outstanding image quality starts with optimized exposure, including accurate Auto White Balance and Auto Tone Control. The D70 offers three TTL metering methods, including Nikon's acclaimed 3D Color Matrix Meter with 1,005-pixel RGB Sensor, Center-Weighted Meter and choice of Spot Meters.

ISO selection covers 200 to 1600 to match most any lighting condition. Shutter speeds from 30 to 1/8,000 s provide full creative control, while auto exposure bracketing helps deliver the exact results you desire. Nikon's built-in iTTL automatic balanced Fill-Flash can shoot at synchronized speeds up to 1/500 s for great fill effects under brighter light conditions.

Expanding your expressive abilities
Every image begins with a lens, and none equal the performance of AF Nikkor lenses. Ranging from a 180° 10.5mm f2.8 Fisheye through 600mm, this exclusive lineup of Zoom-Nikkor and fixed focal length lenses is designed to perfectly match the D70's performance. For exceptional flash photography, the D70 features a built-in flash with exclusive i-TTL flash control, wireless control of remote Speedlights, and fast 1/500 s flash sync shutter speed. Nikon's Total Imaging System also includes the supplied Nikon Software and optional Nikon Capture software packages that let you explore the full power of NEF and the fun of creative image processing with your PC or Mac.