Nikon D1x

Autor:
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Detailed item info

Product Information

The Nikon 2.7 MP camera is a professional portable body only and is designed for delivering amazing photos and capturing superb photos for you in a variety of conditions. With its black body, this Nikon D1 digital camera will be a sleek platform for preserving memories. High-quality pictures and exceptional performance are yours with this Nikon digital SLR camera. You can be ready to snap photographs as the Nikon 2.7 MP camera has batteries. Increasing the number of megapixels means cropping and enlarging will not adversely affect your pictures' quality. Produce memorable prints up to 5x7 inches using the 5.7 MP digital image sensor on this Nikon D1digital camera. Featuring a flash storage slot, this Nikon digital SLR camera is just right for snapping and storing large numbers of special photos, so you can extend the number of pictures stored in the camera. With the 2-inch LCD monitor on the Nikon 2.7 MP camera, you can play back the preserved moments of your life and share them with family. This Nikon D1digital camera includes only the body and no lens. Picking and choosing the most appropriate interchangeable lens or lenses based on your changing photography wants and needs is an advantage to buying the camera body alone.

Product Identifiers

Brand
Nikon

Model
D1

MPN
25203

UPC
018208252039

Key Features

Camera Type
Digital SLR

Sensor Resolution
2.7 MP

Screen Size
2"

Optical Sensor

Sensor Size
15.6 x 23.7mm

Sensor Type
CCD

Lens System

Lens For SD
Body Only

Focus Adjustment
Autofocus & Fixed Focus

Auto Focus type
TTL phase detection

Exposure

Max Shutter Speed
1/16000 sec

Min Shutter Speed
30 sec

Exposure compensation
±5 EV range, in 1/2 or 1/3 EV steps

Exposure Range
EV 0-20 (ISO 100)

Exposure Metering
3D color matrix, Center-Weighted, Spot

Exposure Modes
Aperture-Priority, Automatic, Bulb, Manual, Program, Shutter-Priority

Light Sensitivity
ISO 1600, ISO 200, ISO 250, ISO 320, ISO 400, ISO 500, ISO 640, ISO 800

Light Sensitivity Max
1600

Camera Flash

Flash Type
None

Memory / Storage

Supported Flash Memory
CompactFlash, IBM Microdrive

Viewfinder

Viewfinder Type
Optical

Optical Viewfinder Type
Fixed eye-level pentaprism

Viewfinder - Field Coverage
96%

Viewfinder Magnification
0.8x

Dioptric Correction Range
-3 to +1

Dimensions

Depth
3.4 in.

Height
6.1 in.

Width
6.2 in.

Weight
22 Oz.

Display

Display Type
LCD

Display Rotation
Built-in

Screen Details
LCD display - TFT active matrix - 2" - color

Display Size
2"

Microphone

Microphone Type
None

Connections

Connector Types
1 x IEEE 1394 (FireWire/i.LINK), 1 x composite video output, 1 x serial

Expansion Slot
1 x CompactFlash Card - type I/II

File Format

Still Image Format
JPEG, RAW, Raw Image, TIFF

Other Features

Additional Features
Autofocus, Exposure Compensation, Self Timer

Miscellaneous

Continuous Shooting Speed
3 frames per second

Exterior Color
Black

Nikon D1(about $75 used) and 35mm f/1.8 DX. enlarge. This free website's biggest source of support is when you use these links, especially this link directly to them at eBay (see How to Win at eBay), when you get anything, regardless of the country in which you live. Thanks! Ken.

July 2014 More Nikon Reviews Nikon Lenses All Reviews

Adorama pays top dollar for your used gear, especially this original Nikon D1.

NEW: High-ISO Comparisons of the Nikon D1, D3 (D700), D4, D800, D7000 and Canon 5D, 5D Mark II, 5D Mark III and Fuji X-Pro1 and X100 06 April 2012

Back, Nikon D1. enlarge.

Nikon D1 and 35mm f/1.8 DX. enlarge.

Nikon D1 and 35mm f/1.8 DX.

Nikon D1 and 35mm f/1.8 DX. enlarge.

Introduction top

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Adorama pays top dollar for your used gear.

I use these stores. I can't vouch for adsbelow.

The Nikon D1 is the world's first practical DSLR. There were DSLRs long before the D1, but they had five-figure price tags and worked poorly.

The breakthrough of the D1 is that it's low price ($4,999) and high speed (4.5 FPS, 1/16,000 shutter and unlimited flash sync), use of common Compact Flash cards for storage and high resolution (2,000 x 1,312) made it a no-brainer for news photography.

It's weak points were that it had horrible highlight rendition; anything more than about a stop overexposed was completely blown-out, and that it's batteries always read dead and only gave a couple of hundred shots per charge. We had to carry two or three spare with us on any job, and the batteries were big and heavy. Worse, as batteries aged, a design flaw led to a problem where the camera seems to shoot, but records a black frame instead of the image we wanted!

Specifications top

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Lens Compatibility

Works with all AF, AF-D, AF-I, AF-S, FX, DX and G lenses, as well as all AI and AI-s manual focus lenses. In other words, works with everything.

Meters fine with manual lenses, but center-weighted metering only.

ISO

200, 400, 800 and 1,600.

Power

EN-EL4 Ni-MH battery.

I bought this Ni-MH EN-EL4 battery and it works great.

MH-16 charger. Plugs into battery. with a cord.

Nikon's D1 Specifications

Type of Camera

Lens-interchangeable SLR-type digital camera

CCD

23.7 x 15.6mm RGB CCD; 2.74 million total pixels

2.66-million effective pixels (2,012 x 1,324 array)

captures 12-bit full-color image

Image Size

2,000 x 1,312 pixels

Sensitivity

ISO equivalency 200, 400, 800, 1,600

Storage

System: Digitally stored;
JPEG Baseline (approx. 1/4, 1/8, 1/16 compressed),
uncompressed (12-bit Raw*, 8-bit YCbCr-TIFF*,
8-bit RGB-TIFF), monochrome mode
* Optional software is needed to reproduce images;
“Nikon Capture” for Raw/YCbCr-TIFF images,
“Nikon View DX” for YCbCr-TIFF images

Media: CompactFlashTM (CF) Card (Type I/II)
Modes and No. of frames (With EC-64CF 64MB CF Card):
Raw (uncompressed Raw) — approx. 16
Hi (uncompressed YCbCr-TIFF) — approx. 12
Hi (uncompressed RGB-TIFF) — approx. 7
Fine (approx. 1/4 compressed) — approx. 48
Normal (approx. 1/8 compressed) — approx. 97
Basic (approx. 1/16 compressed) — approx. 195

Shooting Modes

1) Single frame shooting (S) mode: advances one frame for each shutter release; capture preview mode available

2) Continuous shooting (C) mode: approx. 4.5 frames per sec. (up to 21 consecutive shots)

3) Self-timer (Sf) mode: time duration can be set

4) Playback (Pb) mode: playback, menu setting

5) PC (Pc) mode: data transfer via personal computer

White Balance

1) Auto (TTL control with 1,005-pixel CCD)

2) Manual (6 settings with 7-step fine tuning)

3) Preset

LCD Monitor

2-in., 120,000-dot, low temp. polysilicon TFT LCD; backlight/brightness adjustment available

Playback Menu

1) Protect setting

2) Hide setting

3) NTSC/PAL switching,

4) Indication directory switching

Playback Function

1) 1 frame

2) Thumbnail (9 segments)

3) Slide show

4) Histogram indication, highlight point display and focus confirmation indication

Delete Function

1) Card format

2) All frames delete

3) Selected frames delete

Video Output

NTSC or PAL (switchable)

Interface

IEEE1394 (FireWire)

Exposure Mode

1) [P] Programmed Auto (Flexible Programme possible)

2) [S] Shutter-Priority Auto

3) [A] Aperture-Priority Auto

4) [M] Manual; shutter speed/aperture adjustable in 1/2 or 1/3 EV steps

Usable Lenses

1) D-type AF Nikkor: All functions possible

2) D-type Manual-Focus Nikkor: All functions except autofocus possible

3) AF Nikkor other than D-type: All functions except 3D Color Matrix Metering and 3D Multi-Sensor Balanced Fill-Flash for D1 possible,

4) AI-P Nikkor: All functions except 3D Color Matrix Metering, 3D Multi-Sensor Balanced Fill-Flash for D1 and autofocus possible

5) Non-CPU: Usable in [] or [] mode, Centre-Weighted or Spot Metering;
Electronic Rangefinder usable with lens with maximum aperture of f/5.6 or faster

Note: When Non-CPU lenses are used, [A] mode is selected automatically for [P] or [S] mode, also Centre-Weighted Metering is selected for 3D Color Matrix Metering.

Picture Angle

Approx. 1.5x focal length in 35mm [135] format equivalent

Viewfinder

Optical-type fixed-eye level pentaprism

built-in diopter adjustment (-3 to +1 m-1)

eyepiece shutter provided

Eyepoint

22mm (at -1.0 m-1)

Focusing Screen

B-type BriteView clear Matte screen III

interchangeable with optional E-type screen with grid for D1

Viewfinder Frame

Coverage Approx. 96%

Viewfinder Magnification

Approx. 0.8x with 50mm lens set to infinity and -1.0 m-1

Viewfinder Information

Focus indications

shutter speed

aperture

exposure mode

metering system

shutter speed lock

aperture lock

AE lock

electronic analogue display

frame counter

flash ready-light

five sets of focus brackets (area)

Reflex Mirror

Automatic, instant-return type

Lens Aperture

Instant-return type, with depth-of-field preview button

Autofocus

TTL phase detection

Nikon Multi-CAM1300 autofocus module

Detection range: EV -1 to EV 19 (ISO 100 equivalent, at normal temperature)

Lens Servo

1) Single Servo AF (S)

2) Continuous Servo AF (C)

3) Manual focus (M)

Focus Tracking automatically activated by subject’s status in (S) or (C) AF

Focus Area

One of five focus areas can be selected

AF Area Mode

1) Single Area AF

2) Dynamic AF (Dynamic AF Mode with Closest Subject Priority is available)

Focus Lock

Focus is locked by pressing AEL-AFL button or lightly pressing shutter release button in (S) AF

Exposure Metering System

TTL full-aperture exposure metering system

1) 3D Color Matrix Metering with 1,005-pixel CCD

2) Centre-Weighted Metering (75% of the meter’s sensitivity concentrated on the 8mm dia. circle)

3) Spot Metering (4mm dia. circle, approx. 2% of entire frame)

Exposure Metering Range

1) 3D Color Matrix Metering: EV 0-20

2) Centre-Weighted Metering: EV 0-20

3) Spot Metering: EV 2-20 (at normal temperature, ISO 100 equivalent, f/1.4 lens)

Exposure Meter Coupling

CPU and AI combined

Exposure Compensation

Exposure compensated in ±5 EV range in 1/2 or 1/3 EV steps

the mark appears in viewfinder information and top LCD panel

Auto Exposure Lock

Detected exposure value locked by pressing button

Auto Exposure Bracketing

Number of shots: two or three

Compensation steps: 1/3, 1/2, 2/3 or 1 steps

Shutter

Charge-coupled electronic and mechanical shutters

Shutter Speeds

30 to 1/16,000 sec. and Bulb

Sync Contact

X-contact only

flash synchronisation up to 1/500 sec.

Flash Control

1) Automatic Balanced Fill-Flash controlled by five-segment TTL Multi Sensor:

3D Multi-Sensor Balanced Fill-Flash for D1 when used with SB-28DX and D-type Nikkor lens

Multi-Sensor Balanced Fill-Flash when used with SB-28DX and AF Nikkor other than D-type, AI-P Nikkor lens

2) AA (Auto Aperture)-type Flash available when used with SB-28DX and lens with built-in CPU

3) Non-TTL Auto Flash with a Speedlight such as SB-28DX, 28, 27, 22s, etc.

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

Flash Ready-light

Lights up when flash fully charged with Speedlight SB-28DX, 28, 27, 22s; blinks (3 sec. after flash) for full output warning

Accessory Shoe

Standard ISO-type hot-shoe contact

safety lock provided

Sync Terminal

Standard JIS PC terminal

lock screw provided

Self-timer

Electronically controlled

timer duration: 2-20 sec.

Depth-of-field Preview Button

Stop-down lens aperture** by pressing depth-of-field preview button

** Selected aperture on [A] or [M] mode; controlled aperture on [P] or [S] mode

LCD Panel Information

Top LCD panel: Exposure value (shutter speed/aperture), exposure mode, exposure compensation, exposure compensation value, aperture/shutter speed lock, flash sync mode, focus area, exposure bracketing information, electronic analogue display, battery power, CF Card confirmation, number of shots taken, number of shots remaining, frame number at playback battery power for built-in clock, date/time

Rear LCD panel: Number of shots remaining, sensitivity, white balance mode, image quality mode, monochrome mode, CF Card status, LCD monitor status, Custom function

Remote Control

Via 10-pin remote terminal

IEEE1394 interface

Power Requirements

Ni-MH Battery Pack EN-4 (7.2V DC),

Quick Charger MH-17 (12V DC)/16/15;

AC Adapter EH-4 (100-240V AC.

The clock runs on its own internal battery good for about 10 years.

Tripod Socket

1/4 in. (JIS)

Custom Settings

#0 Custom settings: Specify the two setting combinations of A and B

#1 Capture preview mode: Set to show captured image on LCD Monitor before sending image data to CF Card

#2 EV steps for exposure control

#3 Bracketing order

#4 Autofocus activation

#5 Anti-Vibration mode: Set to prevent effects of camera shake

#6 Focus area selection

#7 AE lock

#8 Mirror-Up: Set to clean the CCD

#9 Dynamic AF mode in (S) AF

#10 Dynamic AF mode in (C) AF

#11 Auto Exposure/Flash Exposure Bracketing

#12 Command Dial functions

#13 Exposure compensation settings

#14 Centre-Weighted Metering area: Change 8mm dia. circle to 6, 10, 13mm or average metering

#15 Time delay for auto meter-switch-off

#16 Self-timer duration

#17 LCD illumination

#18 Auto power off of LCD Monitor: 20 sec., 1, 5 or 10 min.

#19 Aperture setting during zooming

#20 Shutter release indication via self-timer LED

#21 AE-L/AF-L button

#22 Aperture selection: Change via Sub-Command Dial to lens' aperture ring

#23 Edge enhancer: 1) Default, 2) Low, 3) High, 4) Non

#24 Tone compensation: 1) Auto, 2) Normal, 3) Contrast -,
4) Contrast +, 5) Custom (with "Nikon Capture" Control Software)

#25 Shooting speed in (C) mode: 4.5, 3, 2, 1 or 0.5 fps

#26 Maximum number of consecutive shots in (C) mode: Choose from 1 to 21 shots

#27 LCD monitor setting: 1) Default, 2) Histogram, 3) Highlight point,
4) Highlight point with Histogram

#28 Save Raw images

#29 Auto File Numbering mode

#30 Select shooting mode when disconnected from personal computer in (Pc) mode: (s) mode or (C) mode

Dimensions (W x H x D)

Approx. 157 x 153 x 85mm (6.2 x 6.1 x 3.4 in.)

Weight (without battery)

Approx. 1.1kg (2.5 lbs.)

Standard Accessories (may vary by country)

Neck Strap

Video Cable

Optional Accessories

Ni-MH Battery Pack EN-4

Quick Charger MH-16

AC Adaptor EH-4

CompactFlash™ Cards

Speedlight SB-28DX

IEEE1394 Cable SC-D1

Antifog Finder Eyepiece DK-15

“Nikon View DX” Browser Software

“Nikon Capture” Control Software

Optional Software System Requirements

Compatibility not guaranteed for all computers; for interface board compatible with your computer, consult the respective board manufacturer.

For Windows

Microsoft Windows 95/98/98SE/2000, Windows NT 4.0 or later

Memory for Nikon View DX 16MB minimum (over 32MB recommended).

Memory for Nikon Capture: 64MB minimum (over 128MB recommended).

IEEE1394 (compatible OS): RATOC REX-PCIFW1* (98SE, 2000), RATOC REX-CBFW1* (98SE), ADS Technologies 1394DV* (98SE, 2000), Ioi Technology 1394TTO* (98SE, 2000), Sony® VAIO®* Notebook (98SE).

*Works with Nikon View DX 1.1 or Nikon Capture 1.1.2 or later versions.

For Macintosh

Mac®OS 8.6 or later (CPU: Power PC™ G3 or later)

Memory for Nikon View DX 16MB minimum (over 32MB recommended).

Memory for Nikon Capture: 32MB minimum (over 64MB recommended)

IEEE1394 (compatible OS): 1394 board installed in Mac®, RATOC REX-CBFW2 (PowerBook G3).

Performance top

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It's fast. As a pro Nikon, the autofocus system just goes and goes fast.

The images suffer from poor color rendition. It usually takes some tweaking to get acceptable color rendition.

High ISOs are awful compared to modern DSLRs.

Compared top

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The D1 is tougher than any of the consumer cameras. The consumer cameras are anything other than the D1, D2, D3 and D4 series.

The D2HS is much faster (8 FPS vs. 4.5 FPS) and has much more durable and long-lived modern Li-Ion battery system. (The D1 uses a primitive Ni-MH system that's always dead or dieing.)

Usage top

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There is no MENU button.

TO set the clock, hold BKT and +/- at the same time for a few seconds until the year blinks. Set year with the main dial. Tap +/- to go to the other fields, and set them with the main dial.

TO check the time, just tap the BKT and +/- buttons then tap the +/- button to see the various fields

The clock runs on its own internal battery good for about 10 years.

To get to PLAY MENU, turn the top left dial to PLAY, then flip down the lower rear cover and then use the [L] button, as called out on the graphic on the flipped-down panel.

Recommendations top

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The D2HS is a much better, faster camera with a much better battery system. The D2HS is the best cheap deal for shooting sports today; the D1 is more of a collectors item.

More Information top

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History

15 February 1999

Nikon announced it was working on "a new professional class, high-quality digital Single Lens Reflex Camera."

Here is the press release:

Tokyo, Japan(Nippon), 1999-02-15 ---
Nikon today announced that in response to the professional photography market's requirements, Nikon has been developing a new professional class, high-quality digital Single Lens Reflex Camera.

(Photo : Prototype (w / AI AF Zoom-Nikkor 28-105mm f3.5-4.5D IF))

Nikon has employed its long-time experience in designing professional cameras with newly developed digital imaging technology ; the result will be a unique, new camera.
The new camera will be smaller, lighter, will have higher performance for improved picture quality, and will have faster image signal processing and faster continuous picture taking.

Other key features include compatibility with Nikon's Interchangeable lens Nikkor System and enhanced durability.

Nikon is confident that this new digital SLR will offer a significant enhancement to the Nikon System, and the wide ranging needs of professional photographers.

The price objective for this new digital camera will make it accessible to a full range of professional customers and it is sure to appeal to advanced photo enthusiasts, as well.

The new camera is planned for sales beginning autumn 1999.

15 June 1999

Nikon announces the D1, the world's first practical DSLR. It is the first practical DSLR because it's the first DSLR with good enough image quality for print (2.7 MP), fast enough (4.5 FPS) and priced low enough ($5,000) and functional enough to be sensible to use daily as a primary camera. It's also the first DSLR made with Nikon electronics in a Nikon body, by Nikon.

It replaced film at forward-looking newspapers.

Forget about it today, regardless of price. For the same price you can get the greatly improved D1H or D1X, neither of which are worthwhile today either. The D1 series is confined to the dumpster of history (and collectors) because its battery system is a pain, and its menu structure requires interpreting numerical custom functions. It requires a cheat sheet to decipher.

Flash exposure performance is awful.

Get one only as a landmark camera to collect. The D1 is the landmark. The D1 is the camera that replaced film at newspapers.

The D1 is unique in having a 1/16,000 top shutter speed, since its shutter is also electronic. That's how it gets a 1/500 sync speed. If you use the PC sync terminal or a non-dedicated flash so the D1 doesn't know you've got a flash attached; sync goes all the way to 1/16,000!

Here is Nikon's press release:

Tokyo, Japan, June 15, 1999 — Nikon, long and widely recognized for their world-class professional SLR cameras, have artfully combined this experience with the very latest digital technology in creating the Digital Single Lens Reflex Camera D1, which features three basic concepts — ultrahigh image quality, superhigh speed and enhanced operability.

The D1 boasts optical and digital innovations such as improved overall picture quality, souped-up consecutive-shooting capabilities and broader compatibility, all packed into a lightweight and strong magnesium body. With high resistance to penetration by water drops, the D1 is fully equipped to satisfy the demands of professional and high-end amateur photographers.

The D1 features a large 23.7 x 15.6mm 2.74-megapixel CCD for ultrahigh-definition 2,012 x 1,324-pixel images. Superior results are further ensured by the infrared ray (IR)-cutting, ultra-thin lithium niobate (LiNB) Low-Pass Filter located directly in front of the CCD, and optimal signal processing delivered by Nikon’s original algorithm.

The D1 provides 3D Digital Matrix Image Control (3D Color Matrix Metering, TTL White Balance and Tone Compensation) with a 1,005-pixel CCD for optimum results. The camera's three intelligent exposure metering systems — 3D Color Matrix, Centre-Weighted and Spot Metering; and three auto exposure modes — Programmed, Shutter-Priority and Aperture-Priority, together with exposure compensation and automatic bracketing functions, offer precise, comprehensive exposure control. 3D Multi-Sensor Balanced Fill-Flash for D1 controlled by five-segment TTL Multi Sensor, possible with the new Speedlight SB-28DX, and versatile Flash sync modes — Front-Curtain Sync (normal sync), Red-Eye Reduction, Red-Eye Reduction with Slow Sync, Slow Sync and Rear-Curtain Sync, add to the D1's versatility.

In order to give experienced users more control over quality, the D1 incorporates versatile image quality modes. Uncompressed Image provides users with three options: Raw (12-bit)*, TIFF YCbCr (8-bit)* and TIFF RGB (8-bit). Compressed Image offers JPEG-baseline-compressed approx. 1/4, 1/8 and 1/16 and monochrome mode. Add to this the four-step Sensitivity Control (ISO equivalency 200, 400, 800, 1,600) provided.
* Optional software is needed to reproduce Raw or YCbCr-TIFF images; "Nikon Capture" for Raw images, "Nikon View DX" for YCbCr-TIFF images

The D1's quick start and short shutter release time lag (approx. 0.058 sec. from the time the shutter release button is lightly pressed) give users the speed to capture once-elusive moments. Super-fast data processing made possible by the newly developed ASIC enables consecutive shooting at 4.5 fps for up to 21 shots. The D1 also boasts 1/16,000 sec. maximum shutter speed and 1/500 sec. sync speed.

The large, easy-to-view LCD monitor (2-in. low-temperature, polysilicon TFT) displays the captured images, menus and histogram indications.

Features that boost convenience include the high-speed data transfer capability provided by IEEE1394, the broad data compatibility furnished by the CompactFlash™ Card (Type I/II), and the NTSC/ PAL-selectable video output, optional Interchangeable Ni-MH Battery Pack EN-4 and dedicated Quick Charger MH-17/16 (compatible with MH-15 for F100). From Nikon's critically acclaimed F5 and F100 SLR cameras, the D1 has inherited Custom Settings, which lets users create their own combination of 29 functions including the D1's original features such as Tone Compensation and Edge Enhancer; two Command Dials; and remarkable durability.

Compatibility with Nikon system accessories, including over 80 F-mount Nikkor lenses, is another notable advantage of the D1, and is directed at the professional photographer with wide-ranging needs.

Nikon's D1 — offering all this to deliver the quality, flexibility and operability that experienced users demand.

D1 Major Features

2.74-megapixel, 23.7 x 15.6mm-size CCD for ultrahigh-definition (2,012 x 1,324 effective pixels) images

Ultra-thin lithium niobate (LiNB) Low-Pass Filter (also cuts infrared rays) incorporated just in front of CCD

Four-step sensitivity control (ISO equivalency 200, 400, 800 and 1,600)

Multiple image quality modes: JPEG Baseline (approx. 1/4, 1/8, 1/16 compressed), uncompressed (12-bit Raw*, 8-bit YCbCr-TIFF*, 8-bit RGB-TIFF), monochrome mode

* Optional software is needed to reproduce Raw or YCbCr-TIFF images; "Nikon Capture" for Raw images, "Nikon View DX" for YCbCr-TIFF images

Versatile shooting modes; 1) Single frame shooting, 2) Continuous shooting, 3) Self-timer, 4) Playback, 5) PC

3D Digital Matrix Image Control (3D Color Matrix Metering, TTL White Balance and Tone Compensation) with 1,005-pixel CCD for superior overall picture quality

Single-blade mechanical shutter provided for smear prevention

Optimal signal processing thanks to Nikon's original algorithm

High-speed AF system including Dynamic AF operation (same performance as F5 and F100)

4.5 fps shooting speed for up to 21 consecutive shots

Quick startup and 0.058 sec. shutter time lag

Exclusive top shutter speed 1/16,000 sec.

Flash sync up to 1/500 sec.

High-speed data transfer with IEEE1394 interface

Accelerated data processing using newly developed ASIC

Precise exposure modes; 1) [] Programmed Auto, 2) [] Shutter-Priority Auto, 3) [] Aperture-Priority Auto, 4) [] Manual

Three exposure metering systems; 1) 3D Color Matrix Metering with 1,005-pixel CCD, 2) Centre-Weighted, 3) Spot

Exposure compensation available in ±5 EV range, in 1/2 or 1/3 EV steps

Auto Exposure Bracketing available for two or three shots in 1/3, 1/2, 2/3, or 1 step

3D Multi-Sensor Balanced Fill-Flash for D1 controlled by five-segment TTL Multi Sensor with new Speedlight SB-28DX

Five flash sync modes; 1) Front-Curtain Sync (normal sync), 2) Red-Eye Reduction, 3) Red-Eye Reduction with Slow Sync, 4) Slow Sync, 5) Rear-Curtain Sync

29 Custom Settings

Lightweight and strong magnesium body

High resistance to penetration by water drops

Optical viewfinder with frame coverage of approx. 96%

Diopter adjustment (-3 to +1 m-1)

High eyepoint (higher than 22mm)

Eyepiece shutter provided

Interchangeable focusing screen (compatible with focusing screen for F100)
2-in., 120,000-dot low-temperature polysilicon TFT LCD with histogram indication

Convenient playback functions; 1) 1 frame, 2) Thumbnail (9 segments), 3) Slide show, 4) Histogram indication

Two Command Dials

Compatible with virtually any F-mount Nikkor /lens (Picture angle with D1 is
equivalent to 1.5x focal length in 35mm [135] format)

Compatible with CompactFlash™ (CF) Card (Type I/II)

Compatible with Nikon system accessories

Interchangeable Ni-MH Battery Pack EN-4 and dedicated Quick Charger MH-17/16 (compatible with battery charger MH-15 for F100) (all optional)

Remote terminal (10-pin connection)

Video output switchable between NTSC and PAL

“Nikon View DX” Browser Software, “Nikon Capture” Control Software (optional)